MARY S. HOBSON Direct (208) 387-4277 mshobson@stoel.com

June 28, 2002

Debra Elofson, Executive Director SD Public Utilities Commission 500 East Capitol Pierre, SD 57501

Re:

Docket No. TC01-98 Our File #29164-73 JUL 0 2 2002

SOUTH DAKOTA PLUTILITIES COMMIS

#### Dear Ms. Elofson:

By letter dated April 12, 2002, I advised the Commission that Qwest would file revised and updated cost studies this month. Enclosed are an original and eight (8) copies of Qwest's updated cost studies.

Thank you for your consideration of this matter.

Rodall Xin for May S. Hobson

Very truly yours,

Mary S. Hobson

Enclosures

cc:

Steven H. Weigler David Gerdes Colleen Sevold Thomas J. Welk

# **CERTIFICATE OF SERVICE**

I hereby certify that on this 28<sup>th</sup> day of June, 2002, I served Qwest's updated cost studies upon the following:

Debra Elofson, Executive Director South Dakota Public Utilities Commission 500 East Capitol Avenue Pierre, SD 57501

Harlan Best, Staff Analyst South Dakota Public Utilities Commission 500 East Capitol Avenue Pierre, SD 57501

Karen Cremer, Staff Attorney South Dakota Public Utilities Commission 500 East Capitol Avenue Pierre, SD 57501

Midcontinent Communications
David A. Gerdes
May, Adam, Gerdes & Thompson LLP
503 South Pierre Street
Pierre, SD 57501-0160

AT&T Steven Weigler AT&T Communications of the Midwest 1875 Lawrence Street Denver, CO 80202

By:

Randall Kim

Qwest Corporation

Qwest:

# QWEST SOUTH DAKOTA

CLASS - CALL TRACE TELRIC

Study ID: 6415

**RECURRING COST STUDY** 

**MAY 2002** 



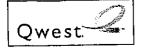
Market Services And Economic Analysis Organization

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# **Section 1**

# **Study Output**



# ICNAM - Interconnection CLEC Service

# SOUTH DAKOTA SGAT, I.D. 6433 MAY, 2002

#### A. PURPOSE

The purpose of this study is to estimate the 2002 long run incremental costs (LRIC) that Qwest will incur for provisioning ICNAM – Interconnection CLEC Service.

#### **B. DESCRIPTION**

ICNAM – Interconnection CLEC Service is a per query Switched Access Service. The query is assessed on all completed queries regardless of the output of the data. The query represents the transport from the Local Signaling Transfer Point (LSTP) to the Regional Signaling Transfer Point (RSTP) through the Message Relay Service (MRS) to the Service Control Point (SCP) and the actual retrieval of the data from the database. The query also is assessed on queries from the LSTP to the RSTP through the MRS then launched to another provider's SCP.

ICNAM – Interconnection CLEC Service allows a CLEC to query QWEST's Line Information database (LIDB) and secure the listed name information for the requested telephone number (calling number), in order to deliver that information to a CLEC's end users. The LIDB database contains current listed name data by working telephone number served or administered by Qwest.

# C. STUDY METHODOLOGY

The costs are those which result from providing ICNAM – Interconnection CLEC Service. Included in the per query cost are the following:

- 1. LSTP hardware, LSTP software, LSTP to RSTP data link hardware and software, RSTP hardware, RSTP software, RSTP to MRS SCP data link hardware and software, RSTP to LIDB SCP data link hardware and software, MRS SCP hardware and software.
- 2. Database costs and associated labor.

# D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are not embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

Total Element Long Run Incremental Costs (TELRIC) represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

Common Costs are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as general overhead costs.

Fully Allocated Costs represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

#### E. ASSUMPTIONS

- 1. Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by Qwest today.
- 2. All network investments are forward-looking.
  - a. Switching and transport equipment and facilities are digital.
  - b. SONET is the forward-looking technology in the interoffice network.

F. Study Summary

. Study Summary		_ <del></del>
tudy Name	ICNAM - Interconnection CLEC	
tudy Requester	D. Gollehon	
ype of Study	TELRIC	
tudy ID	6433	
lost Factor Group	Interconnection	
tudy Applications		
tuty Applications		
Completion Date	May 20, 2002	
Cost Analyst	Deborah Taylor	
Study Review	Reviewer	Date
study Keriew	ALUTION	May 20, 2002
Models Used	Model	Version
vioueis Oseu	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
<del></del>	Cost Factors Model (TELRIC)	02VI
	Cost Factors Model (TELICE)	0211
		Effective Date
Cost Factors Used	Factor	04/02
	Capital Recovery	02/02
	Maintenance	02/02
	Ad Valorem	02/02
	COE Land & Bldg	
	Marketing Factors	04/02
	Other Direct Expenses	04/02
	Common	04/02
		<del></del>
	Cost Of Money	10.14%
Inflation	Cost Of Money	10.14%

Parameter File: H:\SLHILL-Team\OprServices\(UCNAM\) ICNAM - Interconnection CLEC\SD SGAT,May 2002\ICNAM-Interconnection (UCNAM, v3.2).xls, Sheet "WINPC3 Parameters"

State(s): SD

Icnam-

Database Vintage: 02SD01E

Factors For: Interconnection

Report Type: ICM Format

Decimal Places: 6

Costs Format: Annual

Group Totals: Yes

ACF Output: H:\SLHILL-Team\OprServices\(UCNAM) ICNAM - Interconnection CLEC\SD SGAT,May 2002\ICNAM-Interconnection (UCNAM, v3.2).x\s, Sheet "WINPC3 ACF Outputs" Investment: H.\SLHILL-Team\OprServices\(UCNAM) ICNAM - Interconnection CLEC\SD SGAT,May 2002\ICNAM-Interconnection (UCNAM, v3.2).xis, Sheet "WINPC3 investments" ACF Input: H:\SLHILL-Team\OprServices\(UCNAM) ICNAM - Interconnection CLEC\SD SGAT,May 2002\ICNAM-Interconnection (UCNAM, v3.2).xls, Sheet "WINPC3 ACF Inputs"

Output: H:\SLHILL-Team\OprServices\(UCNAM) | ICNAM - Interconnection CLEC\SD SGAT,May 2002\|ICNAM-Interconnection (UCNAM, v3.2).xls, Sheet "WINPC3 Output"

	TELRIC	TELRIC Common Common	0.000771   \$0.000055   \$0.000826	
10440	Direct	Expenses	\$0.000165	
	Based & Network	Mktg. Support	\$0.000606 \$0.000030	
	Direct	nt Expense	00 \$0.000291	
	Per Per	I ISOC Investmen	\$0.001600	
State: South Dakota				ICNAM - Interconnection CLEV - Por Cuciy

cnam-~ <sup>1.~</sup> ls  5/20/02 			Total Pr	Total Product Costs
	Source or Calculation	Factor Value	Interconnection CLEC - per Query	
Investment	sl r"Total" cD	V	B 0.001600	
2 3 Investment Based Costs	si r"Total" cK		0.000296	
4 5 Direct Expenses 6 Miscellaneous Expenses 7 Billing & Collection - PL 8 Total Investment Based + Billing & Collection	ction		0.000291 0.000000 0.000000 0.000587	
10 Marketing & Business Fees 11 Product Management Expense 12 Sales Expense 13 Product Advertising Expense 14 Business Fees (Other Operating Taxes) 15 Marketing & Business Fees Total	cA*(r8-r6) cA*(r8-r6) cA*(r8-r6) cA*(Sum(r8:r13)-r6 Sum r11:r14	0.019957 0.011877 0.000000 0.001483	0.000012 0.000007 0.000000 0.000001 0.000020	
Sub-Total Invst., B & C, Mktg	r8+r15		0.000606	
18 19 <i>Other Direct Expenses</i> 20 Network Operations	GA*(r17-r6)	0.034832	0.000021	
21 Network Support Assets 22 General Support Assets 23 General Purpose Computers 24 Uncollectible	cA*(17-10) cA*(17-16) cA*(17-16) cA*(17-16)	0.088742 0.043342 0.003786	0.000054 0.000026 0.000002	
25 Accounting & Finance Expense 26 Human Resources Expense 27 Information Management Expense 28 Intangibles 29 Total Other Direct Expenses	cA*(r17-r6) cA*(r17-r6) cA*(r17-r6) cA*(r17-r6) Sum r20:r28	0.007346 0.008294 0.070887 0.000000	0.000004 0.000005 0.000043 0.000000 0.000165	

23 General Purpose Computers	(2)	1 :	
	cA*(r17-r6)	0.003786	0.000002
24 Uncollectione	(3° 17')***	0.007348	400000
25 Accounting & Finance Expense	CA_(L17-10)	010000	100000000000000000000000000000000000000
esheux accurace d'accust ac	cA*(r17-r6)	0.008294	0.00005
	177)	788070	0.000043
27 Information Management Expense	CA-(F17-16)	00000	000000
28 Intangibles	cA*(r17-r6)	0.00000	0.00000
29 Total Other Direct Expenses	Sum r20:r28		0.000165
CE CE			
31 TELRIC	r17 + r29		0.000771
32			
33 Common			
	cA*(r31-r6)	0.011267	0.00000
כל האפרטוועם באף פייים	(A1-127)*V	0.000525	0,00000
35 Planning Expense	2000		000000
36 External Belations Expense	cA*(r31-r6)	0.037846	0.000029
	cA*(r31-r6)	0.004717	0.000004
3/ Legal Expense	(9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	0.001860	0.000001
38 Other Procurement Expense	(OLI 151) 43	00000	000000
39 Research & Development Expense	cA*(r31-r6)	0.00000	0,00000
40 Other Conord and Admin Expense	cA*(r31-r6)	0.015064	6.000012
40 Oillei deileia and callini caporas	Charles Const.		0.000055
41 Common Costs	SUM 134:140		
42			900000
43 TEL RIC + Common Costs	r31 + r41		0.000020

;t Calc	
Investme	

5/20/02 South Dakota Acct FRC Account Name	Account Name	inyestment [	ICNAM -	ICNAM - Interconnection CLEC Deprectation Cost Of Money Income Tax		Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
1CNAM - Intero 2441 4C 2232.5 57C 2422.12,,22 85C 2232.3 357C 2232.3 357CS 2212 377C 2423.12,,22 845C	ICNAM - Interconnection CLEC - per Query  241 4C Conduit System 222.12, 22 85C Circuit Equipment - Other Analog Equipme 2222.3 357C Circuit Equipment - Other Digital Equipmer 2232.3 357C Circuit - Other Digital Equipmer 2232.3 357C Circuit - Other Digital Equipment 2212 377C Digital Switch 2223.12, 22 845C Burled Cable - NonMetallic	0.000007 0.000018 0.000018 0.000017 0.001266 0.000013	0.000000 0.000003 0.000000 0.000001 0.0000138 0.000001 0.0000001	0.000000 0.000000 0.000000 0.000000 0.000058 0.0000001 0.0000001	0.000000 0.000000 0.000000 0.000000 0.000000	0.000000 0.000000 0.000000 0.000000 0.000000	0.000000 0.000000 0.000000 0.000000 0.000000	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.000001 0.000004 0.000001 0.000002 0.000002 0.000002 0.000002 0.000002
2121 110C	Building Total	0.000262	0.000007	0.000020	0.000007	0.000002	0.000003	0.000000	0.000296

Icnam-

Service:	ICNAM - Interconne	ection C	LEC
Jurisdiction:	SOUTH DAKOTA		
2-Character Jurisdiction Abbreviation:	SD		
L Olidiasis. Estimation			
Product Group:	Interconnect		
Cost Year:	2002		
Study Date:	May, 2002		
SECTION A	14.55	962.5	
QWEST UCNAM Added Investments and Expenses Summary Source: Source Data Tab			
LIDB			
Capital per Query and Response	377C	\$	-
Expenses per Query and Response	Expense	\$	0.000024
MRS	Expense	\$	0.000051
Expenses per Query and Response	Суренае	Ψ	0.0000
ICNAM and CNAM Including UCNAM			
Capital per Query and Response	377C	\$	-
Capital per Query and Response	377C	\$	-
Expenses per Query and Response	Expense	\$	0.000215
Platform to LIDB Verification, LVAS, and			
AMATPS.	357C	\$	0.00000023
Capital per Query and Response	Expense	\$	-
Expenses per Query and Response		·	
56kbps Data Links from the LIDB Platform to the RSTP			
Capital per Query and Response	357C	\$	0.00000176
Expenses per Query and Response	Expense	\$	-
Expenses per Query and Response	Expense	\$	0.00000002
Message Relay Service 56Kbps Links to the RSTP			
Capital per Query and Response	357C	\$	0.00000014
Expenses per Query and Response	Expense	\$	-
Expenses per ducity and hospitals	·		
SECTION B			
Investments			
Source: Investment Bullder Tabs, Source Data Tab			
LSTP Hardware	-		
Investment per Octet or MS	377C	\$	2.315936
MS per Call Attempt			0.155
MIS hai can wiremhr			

377C

\$

0.036496

0.155

LSTP Software

Investment per Octet or MS

MS per Call Attempt

InterSTP Data Link Hardware				
Investment per Octet	Data Link	377C	\$	0,000128
	Data Link Data Link	57C	\$	0.000120
	Data Link	357C	\$	0.000069
	Data Link Data Link	357CS	\$	0.000031
	Data Link Data Link	845C	\$	0,000182
		85C	\$	0.000023
	Data Link Data Link	4C	\$	0.000037
Octets per Call Attempt	Data Lilik	40	Ψ	118
InterSTP Data Link Software				
Investment per Octet				
Octets per Call Attempt		377C	\$	0.002456 118
RSTP Hardware				
Investment per Octet or MS		377C	\$	3.357931
MS per Call Attempt				0.077
RSTP Software		0770	•	0.000107
Investment per Octet or MS		377C	\$	0.392197 0.077
MS per Call Attempt				0.077
Data Link and MRS SCP Hardware Investment per Query (and Response)				
• • • • • • • • • • • • • • • • • • • •	RSTP Hardware	377C	\$	0.012075
	Data Link	57C	\$	0.019459
	Data Link	357C	\$	0.023755
	Data Link	357CS	\$	0.011389
	Data Link	845C	\$	0.012027
	Data Link	85C	\$	0.005925
	Data Link	4C	\$	0.010081
	SCP Hardware	377C	\$	1.185230
Queries per Call Attempt				0.907
RSTP - MRS SCP Data Link Software				
Investment per Query (and Response)		377C	\$	0.231089
Querles per Call Attempt				0.907
MRS SCP Software				
Investment per Query (and Response)		2124	\$	- 0.007
Queries per Call Attempt				0.907
RSTP Hardware			đ·	3.357931
Investment per MS		377C	\$	0.077
MS per Call Attempt				0.077
RSTP Software		377C	\$	0.392197
Investment per MS		3/10	φ	0.392197
MS per Call Attempt				0.077

Data Link and LIDB SCP Hardware				
Investment per Query (and Response)				
•	RSTP Hardware	377C	\$	0.012350
	Data Link	57C	\$	0.019900
	Data Link	357C	\$	0.024294
	Data Link	357CS	\$	0.011648
	Data Link	845C	\$	0.012300
	Data Link	85C	\$	0.006059
	Data Link	4C	\$	0.010310
	SCP Hardware	377C	\$	1.549948
Octets or MS per Call Attempt				0.906
RSTP - LIDB SCP Data Link Software		377C	\$	0.236331
Investment per Octet or MS		27.12	•	0.906
Octets or MS per Call Attempt				
LIDB SCP Software				
Investment per Octet or MS		2124	\$	•
Octets or MS per Call Attempt				0.906

# SECTION C

Average Busy Season Busy Hour (ABSBH) to Annualize Investment Factor

Source: Source Data Tab

Annualization Factor

3296

# ICNAM - Interconnection CLEC

#### SOUTH DAKOTA

# Network Investment (LSTP to RSTP to MRS to QWEST Database)

		Octe	stment per t or MS or Query	Octets or MS per Query		stment per Query	Annualization Factor	Inves	nualized etment per Query
			Α	В	<b>-</b>	C=AxB	D		E=C/D
		"Inp	from: outs" Tab, Sec B	from: "Inputs" Tab, Sec B			from: "Inputs" Tab, Sec C		
4	LSTP Hardware								
1.	a. 377C	\$	2.315936	0.155	\$	0.359596	3296	\$	0.000109
2.	LSTP Software								0.000000
	a. 377C	\$	0.036496	0.155	\$	0.005667	3296	\$	0.000002
3.	InterSTP Data Link Hardware				4	0.0454.07	3296	\$	0.000005
	a. 377C	\$	0.000128	118	\$	0.015127	3296	\$	0.000007
	b. 57C	\$	0.000207	118	\$	0.024375 0.008132	3296	\$	0.000002
	c. 357C	\$	0.000069	118	\$ \$	0.003626	3296	\$	0.000001
	d. 357CS	\$	0.000031	118	ъ \$	0.003020	3296	\$	0.000007
	e. 845C	\$	0.000182		\$	0.021407	3296	\$	0.000001
	f. 85C	\$ \$	0.000023		э \$	0.002735	3296	\$	0.000001
	g. 4C	Ф	0.000001	110	Ψ	0.05 1000		•	
4.	InterSTP Data Link Software						0000	ሱ	0.000088
	a. 377C	\$	0.002456	118	\$	0.289483	3296	\$	0.000000
5.	RSTP Hardware		•		•	0.00074	3296	\$	0,000079
	a. 377C	\$	3.357931	0.077	\$	0.258974	3290	Ψ	0.000010
6.	RSTP Software	Φ.	0.39219	7 0.077	\$	0.030247	3296	\$	0.000009
	a. 377C	\$	0.39219	0.077	Ψ	0,0002 17		·	
7.	Data Link and MRS SCP Hardware		2 04 0 0 7	5 0.007	ď	0.010949	3296	\$	0.000003
	a. 377C	\$	0.01207		<b>\$</b> \$	0.010543		\$	0.000005
	b. 57C	\$	0.01945		Ф \$	0.017043		\$	0.000007
	c. 357C	\$	0.02375		\$	0.021303		\$	0.000003
	d. 357CS	\$	0.01138	-	\$	0.010905		\$	0.000003
	e. 845C	\$	0.01202	_	φ \$	0.005372		\$	0.000002
	f. 85C	\$ *	0.00592		\$	0.009141		\$	0.000003
	g. 4C	\$ \$	0.01008		\$	1.074632		\$	0.000326
	h. 377C	Ф	1.18523	ou 0.507	Ψ	1,07,1002		•	
8	B. RSTP - MRS SCP Data Link Softw		0.00404	39 0.907	\$	0.20952	5 3296	\$	0.000064
	a. 377C	\$	0.23108	oa 6.201	ψ	V,2000A		•	

#### ICNAM - Interconnection CLEC

#### SOUTH DAKOTA

# Network Investment (LSTP to RSTP to MRS to QWEST Database)

	Octe	stment per et or MS or Query	Octets or MS per Query	Inve	estment per Query	Annualization Factor	inves	nualized Itment per Query
		Α	В		C=AxB	D	E	=C/D
		from: outs" Tab, Sec B	from: "Inputs" Tab, Sec B			from: "Inputs" Tab, Sec C		
9. MRS SCP Software								
a. 2124	\$	-	0.907	\$	-	3296	\$	-
10. RSTP Hardware								
a. 377C	\$	3.357931	0.077	\$	0.258790	3296	\$	0.000079
11. RSTP Software							Φ.	0.000000
a. 377C	\$	0.392197	0.077	\$	0.030226	3296	\$	0.000009
12. Data Link and LIDB SCP Hardware						****	Φ.	0.000000
a. 377C	\$	0.012350	0.906	\$	0.011192	3296	\$	0.000003
b. 57C	\$	0.019900	0,906	\$	0.018034	3296	\$	0.000005
c. 357C	\$	0.024294	0.906	\$	0.022016	3296	\$	0.000007
d. 357CS	\$	0.011648	0.906	\$	0.010555	3296	\$	0.000003
e. 845C	\$	0.012300	0.906	\$	0.011146	3296	\$	0.000003
f. 85C	\$	0.006059	0.906	\$	0.005491	3296	\$	0.000002
g. 4C	\$	0.010310	0.906	\$	0.009343	3296	\$	0.000003
h. 377C	\$	1.549948	0.906	\$	1.404590	3296	\$	0.000426
13. RSTP - LIDB SCP Data Link Softwa	are							0.000005
a. 377C	\$	0.236331	0.906	\$	0.214167	3296	\$	0.000065
14. LIDB SCP Software							٠	
a. 2124	\$	-	0.906	\$	-	3296	\$	-
15. Summary by Account Code							•	0.000007
a. 4C		3g+7g+12g					\$ \$	0.000018
b. 57C		3b+7b+12b					\$ \$	0.000018
c. 85C		3f+7f+12f					э \$	0.000004
d. 357C		3c+7c+12c					\$ \$	0.000010
e. 357CS		3d+7d+12d					Þ	0.000007
f. 377C		1a+2a+3a+4a )a+11a+12a+	a+5a+6a+7a+7h+8a 12h+13a	ì			\$	0.001266
g. 845C	Ln :	3e+7e+12e					\$	0.000013
h. 2124	Ln	9a+14a					<u>.</u>	
							"S	to: ummary* Tab_

# ICNAM - Interconnection CLEC

#### SOUTH DAKOTA

# Summary of UCNAM per Query Investments and Expenses

1.	357C Investment			
	<ul> <li>a. X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.</li> <li>Capital per Query and Response</li> </ul>	from: "Inputs" Tab, Sec A	\$ 0.00000023	
	b. 56kbps Data Links from the LIDB Platform to the RSTP  Capital per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.00000176	
	c. Message Relay Service 56Kbps Links to the RSTP  Capital per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.00000014	
	d. Total 357C	Lns 1a+1b+1c	\$ 0.00000213 to: Summary Tab	
2.	377C Investment			
	a. LIDB Capital per Query and Response	from: "Inputs" Tab, Sec A	\$ -	
	b. ICNAM and CNAM including UCNAM	from: "Inputs" Tab, Sec A	\$ -	
	Capital per Query and Response Capital per Query and Response	from: "Inputs" Tab, Sec A	\$ -	
	Capital per Guery and responds			
	c. Total 377C	Lns 2a+2b	to: Summary Tab	]
3.	Expense			
	a. LIDB     Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.00002397	
	b. MRS Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.00005149	,
•	c. ICNAM and CNAM including UCNAM Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.00021544	1
	<ul> <li>d. X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.</li> <li>Expenses per Query and Response</li> </ul>	from: "Inputs" Tab, Sec A	\$ -	
	e. 56kbps Data Links from the LIDB Platform to the RSTP	from: "Inputs" Tab, Sec A	\$ -	
	Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$ 0.0000000	2
	Expenses per Query and Response f. Message Relay Service 56Kbps Links to the RSTP	Home impose . 25, 660	•	
	f. Message Helay Service Sorups Links to the RSTP  Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$ -	
	g. Total Expense	Lns 3a:3f	\$ 0.0002909 to: Summary Tab	1

4C 57C 85C 357C 357CS 377C 845C 2124

Expense

#### ICNAM - Interconnection CLEC

#### SOUTH DAKOTA

# Summary of per Query Investments and Expenses

	Network		UCNAM	To	tal per Query
Inve	estments and	Oper	ational Support		
	Expenses				
	Α		В		C=A+B
	from:		from:		to:
	"Network	<u>"</u> υ	ICNAM" Tab		"WINPC3
Sι	ımmary" Tab	İ		inve	estments" Tab
				L	
\$	0.00000692			\$	0.00000692
\$	0.00001822			\$	0.00001822
\$	0.00000412			\$	0.00000412
\$	0.00001568	\$	0.00000213	\$	0.00001781
\$	0.00000744			\$	0.00000744
\$	0.00126613	\$	-	\$	0.00126613
\$	0.00001320			\$	0.00001320
				e.	

0.00029091



Parameter File: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\South Dakota\SD CallTraceTELRIC 6415.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 4
Costs Format: Annual
Group Totals: Yes

ACF Input: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\South Dakota\SD CallTraceTELRIC 6415.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\South Dakota\SD CallTraceTELRIC 6415.xls, Sheet "WINPC3 ACF Outputs"

Investment: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\South Dakota\SD CallTraceTELRIC 6415.xls, Sheet "WINPC3 Investments"

Output: Y:\Backup Srvr\Call Trace-Cust Init- CLASS\South Dakota\SD CallTraceTELRIC 6415.xls, Sheet "WINPC3 Output"

State: South Dakota

			g-160 (100 de 1		Invst.		Other			
			Loaded	Direct	Based &	Network	Direct			TELRIC +
Descripti	ion	USOC	Investment	Expense	Mkta.	Support	Expenses	TELRIC	Common	Common

# Total Product Costs

	5/7/02 9:15 AM			
Row	South Dakota	Source or Calculation	Factor Value	CLASS - CALL TRACE
		sl r"Total" cD	A	B 1.6327
2	Investment	SIT TOTAL CD		1,0027
	Investment Based Costs	si r"Total" cK		0.3577
4				0.0004
	Direct Expenses			0.6921
	Miscellaneous Expenses			0.0000
	Billing & Collection - PL			0.0000
	Total Investment Based + Billing & Collection			1.0498
9				
	Marketing & Business Fees Product Management Expense	cA*(r8-r6)	0.019957	0.0210
	Sales Expense	cA*(r8-r6)	0.013337	0.0210
	•	cA*(r8-r6)	0.000000	0.0000
	Product Advertising Expense Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0016
	Marketing & Business Fees Total	Sum r11:r14	0.001400	0.0350
16		Julii I I I I I I I		0.0000
	Sub-Total Invst., B & C, Mktg	r8 + r15		1.0848
18				
	Other Direct Expenses			
20	Network Operations	cA*(r17-r6)	0.034832	0.0378
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0160
22	General Support Assets	cA*(r17-r6)	0.088742	0.0963
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0470
24	Uncollectible Uncollectible	cA*(r17-r6)	0.003786	0.0041
25	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0080
26	6 Human Resources Expense	cA*(r17-r6)	0.008294	0.0090
27	7 Information Management Expense	cA*(r17-r6)	0.070887	0.0769
28	3 Intangibles	cA*(r17-r6)	0.000000	0.0000
29	Total Other Direct Expenses	Sum r20:r28		0.2950
30				1 0000
	TELRIC	r17 + r29		1.3799
32	_			
	3 Common	a^*(r21 r6\	0.011267	0.0155
	4 Executive Expense	cA*(r31-r6) cA*(r31-r6)	0.011267	0.0007
	5 Planning Expense	cA*(r31-r6)	0.000325	
	5 External Relations Expense	cA*(r31-r6)	0.037848	
	7 Legal Expense 3 Other Procurement Expense	cA*(r31-r6)	0.004717	
	Other Procurement Expense     Research & Development Expense	cA*(r31-r6)	0.000006	
	O Other General and Admin Expense	cA*(r31-r6)	0.000000	
	1 Common Costs	Sum r34:r40	0.010004	0.0284
4		Julii 107.170		0.0304
	3 TELRIC + Common Costs	r31 + r41		1,4782

5/7/02 South I	Dakota			C	LASS - CALL	TRACE				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
CLAS	377C		0.5101	0.0556	0.0232	0.0088	0.0049	0.0051	0.0000	0.097
010	3//14	Digital Switch				11111		0.0000	0.0000	
		Congral Durnosa Computers	1.0187	0.1679	0.0485	0.0183	0.0097	0.0000	0.0000	0.244
124	2124	General Purpose Computers	1.0187 0.0019	0.1679 0.0000	0.0485 0.0002	0.0183 0.0001	0.0097 0.0000	0.0000	0.0000	0.244 0.000
2212 2124 2111 2121		General Purpose Computers Land Building	1.0187 0.0019 0.1019	0.1679 0.0000 0.0026					0.0000	

# **Section 2**

# **Cost Calculations**

Service: CLASS - CALL TRACE

State Name: SOUTH DAKOTA

State Name Abbreviation: SD

Study Year: 2002

Study Completion Date: MAY 2002

#### SECTION A

#### **Switching Investments**

Source: SCM

Call Trace - Switching Investment:

Call Trace - Setup Investment377CCall Trace - Recorded Announcement - Shared377CCall Trace - Recorded Announcement - Svc Specific377C

#### SECTION B

#### Risk Management/Disk Drive Investments

Source: Product Management

Risk Management Mainframe - Four (4) Disk Drive Investment 2124 \$1,120,567

#### SECTION C

#### **Forecasted Demand**

Source: Product Management

Annual Attempts/Activations 1,100,000

# SOUTH DAKOTA

# **Switching Cost Model (SCM) Output**

1	Investment		С		E	Total (C+E)	
2	STUDY	CLASS	Direct	N	etwork Support		
3	LOADED	USW	9.03913	0	3.892858168	12.9320	377C CLASS Customer Originated Trace

# **SOUTH DAKOTA**

### Setup Investment per Attempt

		Source	377C	
1.	Annual Setup Investment/BH Attempt	SCM Features	\$12.9320	
2.	% BH of Total Day	Product Mgmt	10%	
3.	Annual Investment/Busy Day Attempt	Ln1 * Ln2	\$1.2932	
4.	Equivalent Days/Year	Factors Group	310.5	
5.	Investment per Attempt	Ln3 / Ln4	\$0.0042	(to Total Switch Invest

#### **SOUTH DAKOTA**

# Recorded Announcement (RA) Shared - Custom Calling Services(CCS)/CLASS

	Source	377C	
SW1		·	
<ol> <li>Investment per Shared Service RA (NTS)</li> </ol>	SCM	\$1,278.4563	
2. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	1	
3. Total CCS/CLASS RA Investment per CO	Ln1 x Ln2	\$1,278.4563	
4. # of SW1 CO's	SCM	251	
5. Total CCS/CLASS RA Investment SW1	Ln3 x Ln4	\$320,892.5310	
6. Weighted Investment - SW1	Ln5 x H15	\$180,997.8096	
-			# SV
SW2			# SV
7. Investment per Shared Service RA (NTS)	SCM	\$1,148.0780	
8. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	1	F
9. Total CCS/CLASS RA Investment per CO	Ln7 x Ln8	\$1,148.0780	
10. # of SW2 CO's	SCM	194	
11. Total CCS/CLASS RA Investment SW2	Ln9 x Ln10	\$222,727.1326	
12. Weighted Investment - SW2	Ln11 x H16	\$97,099.0196	
13. Total Weighted Investment - SW1 & SW2	Ln6 + Ln12	\$278,096.8292	
14. Total Lines in Service	SCM	14732034	
15. % Take CCS/CLASS Features	SCM	21.00%	
16. Total Lines w/ CCS/CLASS Features	Ln14 x Ln 15	3093727.1400	
17. BH Originating & Terminating Calls/Line	SCM	1.7401	
18. % of Orig. & Term. Calls That Are Orig.	SCM	50.00%	
19. Total Orig. Attempts/Line in BH	Ln17 x Ln 18	0.8700	
20. % of BH Orig. Attempts/Line Using CCS/CLASS	Prod Mgmt	10.00%	
21. BH CCS/CLASS Attempts/Line	Ln19 x Ln20	0.0870	
22. Total BH CCS/CLASS Attempts	Ln 16 x Ln21	269165.3322	
23. Investment/BH Attempt	Ln13 / Ln22	1.0332	
24. BH % of Average Business Day Traffic	Prod Mgmt	10.00%	
25. Investment/ABD Attempts	Ln23 x Ln24	0.10331822	
26. Equivalent ABD's/Year	Factors Grp	310.5	
27. CCS/CLASS RA Investment Per Attempt	Ln25 / Ln26	0.000332748 (to 7	otal Switch Inv

CO Types	CO Qty	% of Total
# SW1 CO's	251	56.40%
# SW2 CO's	194	43.60%
Total CO's	445	

### **SOUTH DAKOTA**

# Recorded Announcement (RA) Shared - Customer Originated Trace (COT)

	Source	377C	
SW1			
1. Investment per Shared Service RA (NTS)	SCM	\$1,278.4563	
2. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	2	
3. Total CCS/CLASS RA Investment per CO	Ln1 x Ln2	\$2,556.9126	
4. # of SW1 CO's	SCM	251	
5. Total CCS/CLASS RA Investment SW1	Ln3 x Ln4	\$641,785.0620	
6. Weighted Investment - SW1	Ln5 x H15	\$361,995.6192	CO Type
			# SW1 C
SW2			# SW2 C
7. Investment per Shared Service RA (NTS)	SCM	\$1,148.0780	Total CO
8. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	2	
9. Total CCS/CLASS RA Investment per CO	Ln7 x Ln8	\$2,296.1560	
10. # of SW2 CO's	SCM	194	
11. Total CCS/CLASS RA Investment SW2	Ln9 x Ln10	\$445,454.2651	
12. Weighted Investment - SW2	Ln11 x H16	\$194,198.0392	
13. Total Weighted Investment - SW1 & SW2	Ln6 + Ln12	\$556,193.6584	
14. COT Annual Attempts/Activations	Prod Mgmt	1100000	
15. COT RA Investment per Attempt	Ln13 / Ln14	0.505630599	(to Total Switch Invest)

CO Types	CO Qty	% of Total
# SW1 CO	251	56.40%
# SW2 CO	194	43.60%
Total CO's	445	

#### **SOUTH DAKOTA**

#### Total Switching Investment Per COT Attempt

- 1. Setup Investment per Attempt
- 2. Recorded Announcement (RA) Shared Custom Calling Services(CCS)/CLASS
- 3. Recorded Announcement (RA) Customer Originated Trace (COT)
- 4. Total Switching Investment Per COT Attempt

Source	377C
Setup Investment Tab - Ln5	\$0.0042
RA-Shared CCS CLASS Tab - Ln27	\$0.0003
RA-COT Tab - Ln	\$0.5056
Ln1 + Ln2 + Ln3	\$0.5101

#### **SOUTH DAKOTA**

# Risk Management/Disk Drive Investment Per Attempt

- 1. Risk Mgmt Mainframe Four Disk Drive Investment
- 2. Forecasted Demand: Annual Attempts/Activations
- 3. Disk Drive Investment Per Attempt

Source		2124	
Inputs - Sec B	\$1,	120,567.00	•
Inputs - Sec D		1,100,000	
Ln1 / Ln2	\$	1.0187	(to WINPC3 Investment)

#### **SOUTH DAKOTA**

### Security Assistant Expense Per Attempt

- 1. Hours for Security Asst. to Process/Mail Trace Information per Call
- 2. 2000 Security Assistant Labor Rate
- 3. Security Assistant Expense to Process/Mail Trace Information per Call
- 4. Ratio of Calls: Attempts
- 5. Security Assistant Expense per COT Attempt

Source		Expense	
Prod Mgmt		0.1083	
JFC 0147		37.78	
Ln1 x Ln2	4.0	092833333	
Prod Mgmt		16.91%	
Ln3 x Ln4	\$	0.6921	(to WINPC3 Investment)

	А	ВС		D	Ε	F
1	Investment	i		Ī		
2	STUDY	CLASS -	CALL TRACE			
3	DATE	5/7/02				
4	GROUP	CLASS -	CALL TRACE			
5	LOADED	SD	0.5101282385	0.	0.	377C
6	LOADED	SD	1.0186972727	0.	0.	2124
7	COMMON	SD	0.6920981167	0.	0.	

	Α	В
1	Parameter	
2	SD	
3	7	A 1 1 1 4 4
4	4	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	6415	

#### WINPC3. F Inputs

	Α	В	С	D	E	F	G	Н	1	J	K	L	M
1	ACFIN												1
2	02SD01E	AND RESIDENCE CONTRACTOR OF THE PARTY OF THE											
3	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
4	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
5	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
6	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP

# WINPC3 ... F Inputs

	N	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z	AA
1				Name of the last o	!			[				1	1.	
2									l.		:			
3	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
4	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
5	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
6	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP

	AB
1	
2	
3	GENL
4	GENL
5	GENL
6	GENL

	Α	В	С	D	E	F	G	Н	1	J	K	L	М
1	ACFOUT	Factors For	: Intercon	nection					<u> </u>	i	!		
2	-Run Don	e With Databa	se Vintage: (	02SD01E, Da	ted: 04/08/02				: {				
3	-Wholesa	le Cost Progra	am (TELRIC)	Data Base re	eleased 04/02	(02SD01E).						İ	
4	-Factors	loaded from Fa	actors Mode	l (Expense M	odule), Versio	on 02V1.		ļ		# 			1 .
5	-CAPITAL	. RECOVERY	factors relea	sed 04/02 and	d based on 10	.14% Cost							4 -
6	Of Mone	y. No 1-10 yea	ar factors de	veloped.		i I					· •	4	
7	-MAINTEI	NANCE factors	s released 02	2/02.									
8	-RTU fact	ors released (	02/01.				ļ						
9	-AD VALO	OREM Tax rele	eased 02/02.				and the second s						
10	-DIRECTI	LY ASSIGNED	expense fac	tors released	1 04/02.		ļ		 			ļ	i
11	-BUSINE:	SS FEES relea	sed 04/02.										
12	-соммо	N Expense rel	eased 04/02.		i							1	
13		NSTALLED FA		Z	/01.			ļ					ļ
14	-POWER	investment fa	ctors release	ed 01/01.					ļ				
15		TAX released (							ļ				
16		Engineering fa			L				ļ				ļ
17		ST DURING CO			01/01.			1					
18		ND BUILDING			l								
19		LY ATTRIBUT			leased 04/02.								
20	-SALES	EXPENSE fact	or released (	04/02.	l								
21	-PRODU	CT MANAGEM	ENT factor re	eleased 04/02	2.								
22	-BILLING	& COLLECTION	ON factor rel	leased 01/01.			.						1
23	-PROVIS	IONING factor	s released 0	1/01.									
24	-TELEPH	IONE PLANT I	NDEX releas	ed 01/01.		1			1	ļ		.i	
25	-STRUCT	TURE RATIO re	eleased 01/0	1.				1	i	i		: 	

#### WINPC3 Outputs

	Α	В	С	D	E	F	G	H	l	J	K	L	М	N	0
37				•				_							
38	State:	South Dake	ota										1		
39															1
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST
41	377C	0.108910	0.045445	0.017186	0.010018	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45							1		:	1		: 		•	

#### WINPC37. Outputs

	Р	Q	R	S	Т	U	V	W	Х	Υ	Z	AA	AB
37													
38									i				
39													
40	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
41	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
42	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
43	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
44	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
45				İ						1			

# **Section 3**

# **Source Data**

STATE: ALL OFFICE FILE YEAR: 02

#### **SCM Inputs** SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT

(Engineered, Furnished and Installed - 377C)

VERSION 10.02 02/05/02 SD CaliTraceTELRIC 6415.xls

Page 26

Year of Investments: 2002

FEATURE DESCRIPTION

FEATURE INPUT DESCRIPTION

FEATURE INPUT VALUE

**CLASS** 

Customer Originated Trace Busy Hour Customer Originated Trace Call Attempts per COT Line

1.0000

614.0400

# **Model Definitions**

#### SCM Definitions:

INVESTMENT: An investment is the amount of capital used to purchase equipment and material to provide a service.

ENGINEERED FURNISHED & INSTALLED (EF&I): An Engineered, Furnished and Installed investment includes installation by the Vendor: An EF&I investment includes a dollar amount for the equipment, material, engineering, furnishing (delivery and/or supply) and installation.

**TOTAL INSTALLED INVESTMENT (TII)**: A TII investment includes a dollar amount for equipment, material, engineering, furnishing & installation as well as a dollar amount (if applicable) for Power, Sales Tax, Telco labor and Interest During Construction (IDC).

#### RCP Definitions:

**EXPENSE**: An expense is the amount of non-capitalized dollars associated with the provision of a product or service.

**INFLATION**: Inflation is an increase in the amount of an investment from a base year to the study year. Inflation results from increases in the cost of money, material, or any other items impacting the value of an investment. The model can apply inflation to EF&I or Total Installed investments.

**LOADING FACTORS**: Loading factors applied to an EF&I investment provide the additional dollar amounts to bring an EF&I investment to the Total Installed Investment level.

**POWER**: The power factor estimates the investment required for Central Office back up power equipment (used for EF&I Central Office Equipment [COE] accounts only).

**SALES TAX**: The sales tax factor provides the amount of sales tax paid on vendor provided material and equipment (used for all accounts).

TELCO: The TELCO factor develops the dollar amount of Qwest engineering and labor involved with vendor installation (used for EF&I accounts only).

**INTEREST DURING CONSTRUCTION**: The interest during construction factor estimates the amount of interest that accrues on construction dollar amounts until completion (used with all accounts).

**LAND & BUILDING**: The land and building factors applied to a Total Installed Central Office equipment investment recovers the investment in Central Office land and buildings. Annual cost factors are applicable to the land and building investments (used with COE accounts only).

**ANNUAL COST FACTORS**: Annual cost factors identify the annual costs associated with Total Installed Investments. There are two types of Annual Cost Factors (Investment based and Expense based). Annual cost factors are appropriate for use with all accounts.

**INVESTMENT BASED FACTORS**: Investment based annual cost factors applied to a Total Installed Investment identify annual costs directly related to the use of an investment.

**MAINTENANCE COSTS**: Maintenance costs represent the cost of upkeep, trunk and line testing, rearrangements and changes.

CAPITAL COSTS (CAPCOST): Capital costs are annual or monthly costs associated with recovery of a total installed investment.

AD VALOREM TAX: The ad valorem factor estimates the annual "property tax" applicable to an investment.

**EXPENSE BASED FACTORS**: These factors applied to an expense created by the Investment Based Factors will identify additional expenses resulting from the provision of a service.

**SALES EXPENSE**: The sales expense factor determines the amount of expense associated with making a sale. It develops the relevant expense pertaining to the cost of a sale up to the "hand shake" as well as a portion of capital costs. We divide this expense by total direct cost.

**PRODUCT MANAGEMENT EXPENSE**: The product management factor develops the amount of expense associated with managing the products of the business. This expense includes all expense relevant to Product Management, as well as a portion of capital costs. We divide this expense by total direct cost.

**ADMINISTRATION**: The administration expense factor develops the administration expense associated with COE, Outside Plant (OSP), and coin services.

**SALES COMPENSATION EXPENSE**: The sales compensation factor develops the amount of sales compensation resulting from successfully completing a business sale. This is a revenue based factor that includes compensation for business sales only. We divide sales compensation by total business revenues.

**RIGHT TO USE FEES**: The right to use (RTU) fees factor estimates some of the software expense associated with the purchase of digital switches.

**BUSINESS FEES**: The business fees factor develops a dollar amount associated with state fees and taxes assessed on the aggregate revenue of those states that impose such fees and taxes.

COMMON: Common calculates expenses common to the firm.

Output developed in the Switching Features Cost Model (SCM) is contained in a project file. For this study, the source project file is called

#### SCM10.02 Call Trace 04-02.xls

Authorized users will have access to the Switching Features Cost

Module as an executable file named

Scmfeat10.exe

The project file can be opened within this module so that
the investment components of the switch feature can be fully evaluated.

# MODEL DESCRIPTIONS

#### 1. QWEST SWITCHING COST MODEL:

The Switching Cost Model (SCM) is a set of menu driven PC engineering cost models developed in the QWEST Service Costs and Economic Analysis organization (SCEA). SCM provides unit investments for various services and features provided by the DMS-10, DMS-100, DMS-200, DMS-100/200, and 5ESS switching equipment. The model has a Features module which provides unit investments for features (e.g., Custom Calling, MVP, Centrex).

SCM Core is the first of three major processes in the SCM Model. SCM Core determines the Average Busy Season, Busy Hour, unit investments by functional category. Other models use the Busy Hour investments as input. The SCM Calls process of the model calculates investments for call setup and conversation CCS. The SCM Features process of the model calculates unit investments for central office features.

The SCM Features process develops investments for features by using the functional category unit investments created in SCM Core along with inputs provided by the SCM Features model user. There is an investment developed for each part of the feature, for example, activation, deactivation, and call attempt. The SCM Features process determines ABSBH investment associated with a feature by partitioning the feature into its components and determining the components not recovered by other rate elements. Cost of the feature must cover those components not recovered by other rate elements. The subscribers busy hour use of the feature drives the investments required. SCM displays most feature costs as an investment per line, consistent with the rate plans for the features. The investments provided also contain investment loadings from WINPC3 of Power, Sales Tax, TELCO, and Interest During Construction.

The Switching Cost Model (SCM) provides QWEST with a flexible and consistent process to provide switching costs suitable to develop price floors. SCM applies long run incremental costing principles for cost development, with consideration given to anticipated long run demand. This approach yields costs that are an appropriate price floor, allowing QWEST to make proper pricing decisions for its services.

#### 2. Retail Cost Program (RCP):

The Retail Cost Program (RCP) develops retail costs from investments and/or expenses associated with QWEST products and services.

The RCP will apply investment loadings and annual cost factors, as applicable, to an investment and/or expense. The program calculates Direct Costs (TSLRIC), Network Support Costs, Attributable Costs, and Fully Allocated Costs resulting from an investment or expense.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe
In the 'Type Of Data' list box, select the correct data directory
In the 'Keep States Separate' box, select 'Yes'
In the 'Weight Hosts & Remotes Together' box, select 'Yes'
In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight SSW102A1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW202A1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW302A1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'CLASS'
In the 'Feature Name' list box, select 'Customer Originated Trace'
In the 'Label Used on Outputs' box, select 'Line'
In the 'Feature Inputs' list box, select 'Busy Hour Customer Originated Trace Call Attempts per COT Line'
In the 'Enter New Input' box, enter '1' and click OK
In the 'Feature Inputs' list box, select 'Average Number of Customer Originated Trace Lines in Office'
In the 'Enter New Input' box, enter '614.04' and click OK
Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears. Save the file if so desired.

Qwest.

# QWEST SOUTH DAKOTA CAPITAL LEASE RTU - PER LINE PORT TELRIC

Study ID: 6416
RECURRING COST STUDY

**MAY 2002** 



Market Services And Economic Analysis Organization

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# **Section 1**

# **Study Output**

#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate the long run incremental costs Qwest will incur to provide features for use on a Line Port, as part of Local Interconnection Service for a Competitive Local Exchange Carrier (CLEC).

This study develops the unitized total element long run incremental cost (TELRIC).

Costs developed in this study are monthly recurring costs per port for the features available to an unbundled Analog Line Side Port.

### **B. DESCRIPTION OF SERVICE**

Features are available to unbundled Analog Line Side Ports and the costs, therefore, are included in the port cost.

The following features are included in this study:

#### 10XXX Direct Dialed Blocking

This option blocks directly dialed calls which use a carrier's CIC code in order to bypass the designated PIC'd carrier. This feature does not restrict all directly dialed calls.

#### Account Codes - per system

The Account Code feature allows customer to input numbers (# of digits depends upon switch type) designed for departmental or personal cost accounting and client billing.

#### Attendant Access Line - per station line

Allows a Centrex Attendant Line to receive dial "zero" calls.

#### **Audible Message Waiting**

When a user goes off hook a stutter dial tone is provided to indicate a message is waiting

#### **Authorization Codes - per system**

Allows a user having an assigned code to change restrictions originating on a subscriber line.

#### Automatic Callback Calling/Ring Again -

Provides an arrangement that permits a line user, when attempting an intercom (i.e., within the customer group) call to a busy line, to be automatically connected to that line when both the called and calling lines are subsequently idle.

#### Automatic Line

Allows equipped station to automatically place a call to a preassigned number by going off-hook.

#### Automatic Route Selection - Common Equip. per system

ARS is an optional feature, available where facilities permit that allows station users, by dialing a preselected code, to automatically select the preferred route subscribed for by a customer, for network calls. Alternate routing to other facilities subscribed for by the customer, is also provided. This arrangement is available for use with FX, WATS and MTS Network.

#### Blocking of pay per call services

Line restricted from making pay per call calls.

#### Bridging

Allows the Digital Electronic Telephone Set (DETS) user to bridge onto a currently active call by pressing the shared call appearance button.

#### Call Drop

The Drop feature allows the user to drop the last party that was added to the conference call. Also, this feature allows a user to disconnect a 2-party call.

#### **Call Exclusion - Automatic**

Automatic bridged call exclusion, automatic re-enable - For this privacy option, the initial privacy status for the CA is private. This mode allows any number of members to bridge onto the call after privacy has been explicitly released. Privacy can be restored by user control only. Hence, privacy need only be released once when a conference bridge of arbitrary size is being established.

#### Call Exclusion - Manual

This mode specifies the initial privacy status for the CA to be non-private.

Bridging may occur at any time unless an active EKTS member explicitly invokes privacy on the call. The privacy can also be released by the user after it is invoked.

#### Call Forwarding Don't Answer - All Calls

Provides for forwarding of all calls to a preselected telephone number, when the called station does not answer after a predetermined number of ringing cycles.

#### Call Forwarding Don't Answer - Incoming Only

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station does not answer after a predetermined number of ringing cycles.

#### **Call Forwarding Incoming Only**

ISDN Call Forwarding Incoming Only - Allows an ISDN port to forward calls to a user defined telephone number. Only calls originating from outside the business group will be transferred. The destination is changeable by the user. This feature is applicable to both circuit switched voice and circuit switched data call.

#### **Call Forwarding Intra Group Only**

Allows an ISDN port to forward calls to a user defined telephone number within the Business Group only. The destination is changeable by the user. This feature is applicable to both circuit switched voice and circuit switched data call.

#### Call Forwarding-Variable use with Remote Access

Remote Call Forwarding (RCF) provides the customer a local telephone number which establishes a presence in a community without having to have an office in that community. This service provides a telephone number to forward incoming calls to another telephone number. The feature is programmed in the RSF central office so calls going into the RCF telephone number are automatically forwarded to the destination telephone number. No physical location is needed.

#### Call Forwarding-Busy Line (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number in a different central office switch if the called number is busy.

#### Call Forwarding-Busy Line (External)

Allows a customer to have incoming calls forwarded to another predetermined number outside the customer's system within the same central office switch when the called number is busy.

#### Call Forwarding-Busy Line/Don't Answer (External)

Allows a customer to have incoming calls forwarded to another predetermined number outside the customer's system within the same central office switch when the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding Busy Line - All Calls

Provides for forwarding of all calls to a preselected telephone number, when the called station is busy.

#### Call Forwarding Busy Line - Incoming Only

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station is busy.

#### Call Forwarding Variable

Allows a user to automatically forward "all" calls to any other number.

#### Call Forwarding-Busy Line (Overflow)

Allows a customer to have incoming calls forwarded to another predetermined number within the customer's central office if the called number is busy.

#### Call Forwarding-Busy Line (Programmable)

Allows a customer to have incoming calls forwarded to another number when the called number is busy. The customer can activate and deactivate the forwarding feature by dialing a code as well as establish or change the number to which calls are forwarded.

#### Call Forwarding-Busy Line/Don't Answer (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number in a different central office switch if the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding-Busy Line/Don't Answer (Overflow)

Allows a customer to have incoming calls forwarded to another predetermined number within the customer's central office if the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer

Allows a customer to have an incoming call forwarded to another predetermined number within the same central office switch if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number outside the serving central office switch if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer (Programmable)

Allows a customer to have incoming calls forwarded to another number if the customer does not answer after a preset number of ringing cycles. The customer can activate and deactivate the forwarding by dialing a code as well as establish or change the number to which calls are forwarded.

#### Call Forwarding-Variable-No Call Completion Option

An option of Call Forwarding-Variable that allows a customer subscribing to that feature to activate it without completing a call to the forward-to number.

#### Call Hold

Allows a customer to hold any call in progress, by dialing a code.

#### Call Hold/3-Way/Call Transfer

User can connect a third line to an established connection. A user can depress the switchhook, or ISDN set feature button, and consult in private with a third party and return to the original call by using only one line. A user of a line can transfer any established call to another line within or outside the Centrex System.

#### Call Park (Basic - Store & Retrieve)

Allows a user to hold or "Park" a call by dialing a code that can be retrieved from any station by dialing another code.

#### Call Pickup

Enables a station user to answer calls directed to other specified stations by dialing a special code.

#### Call Transfer

Enables a customer to transfer an incoming call to a third party or add a third party to an existing call, forming a three party connection, and then to leave the connection without disconnecting the call.

#### **Call Waiting Dial Originating**

Provides the ability for the originating station to invoke call waiting tone on selected calls by dialing the dial call waiting access code followed by the extension number of the station to be call waited.

#### Call Waiting Indication - per timing state

Lamps are used to indicate that calls have been queued longer than a customer specified threshold. One to three lamps may be provided indicating different delay lengths.

#### **Call Waiting Originating**

Allows a calling station to direct a call waiting tone toward a busy called station within the same system.

#### Call Waiting Terminating - All Calls

Allows for a Centrex PRIME station user who is engaged in a telephone conversation to be alerted via an audible tone that a call is waiting on an all calls basis.

#### **Call Waiting Terminating - Incoming Only**

Allows for a Centrex PRIME station user who is engaged in a telephone conversation to be alerted via an audible tone that a call is waiting on an incoming only calls basis.

#### Call Waiting/Cancel Call Waiting

<u>Call Waiting</u> - Allows a customer engaged in telephone conversation to be notified when a third party is attempting to call the customer. The notification is an audible Call Waiting (CW) tone to the CW customer. Audible ring is returned to the third party. CW service provides a hold feature where the CW customer may flash the switch hook and alternate between the original and the second call.

<u>Cancel Call Waiting</u> - This is used in conjunction with the CW feature and allows the customer to cancel the operation of CW for one call. The customer dials a cancel call waiting code, obtains stutter tone, and places a call normally. While Cancel Call Waiting is invoked, incoming calls receive a normal busy signal.

#### Centrex Management System (CMS)

A computer software program that provides the customer access to their Centrex database for the purpose of general database inquiry, move, add, delete, and change of station lines and generate Basic Management Reports without having service orders issued.

#### Centrex Plus DID numbers per number

DID is a feature that allows an incoming toll or DDD call (not FX or WATS) to reach a specific PBX station line without attendant assistance. With DID, the SPCS seizes a DID trunk and outpulses the station line number to the PBX.

#### Centrex Plus to Centrex Plus

When a customer orders a DFI between any two Centrex systems, they must have station lines and usage (for non-blocked) or the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### **Centrex Plus to IC Carrier**

When a customer orders a DFI between Centrex systems and an IC Carrier, they must have station lines and usage (for non-blocked) or the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### Centrex Plus to PBX/Key Blocked

When a customer orders a DFI between Centrex systems and key/PBX, they must have the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### Centrex Plus to PBX/Key Non-Blocked

When a customer orders a DFI between Centrex systems and key/PBX, they must have station lines and usage (for nonblocked) to match the number of voice connections on the DFI.

#### **CFDA Incoming Only**

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station does not answer after a predetermined number of ringing cycles.

#### **CLASS Anonymous Call Rejection**

Does not allow an incoming call to ring into a customer's home if the caller has blocked their name and number from being shown on the Caller ID unit. It also routes that call to an announcement in the central office.

#### **CLASS Call Waiting ID**

Allows a customer with Caller Identification to receive name and number information on a call that is waiting. The name and number are displayed on customer provided equipment.

#### **CLASS Calling Name & Number**

Allows for the automatic delivery of a calling party's name and telephone number (including nonpublished and nonlisted telephone numbers) to the called customer, which gives the called customer an opportunity to decide whether to answer the call immediately or not. The name and number are displayed on customer provided equipment.

#### **CLASS Calling Number Delivery**

Allows for the automatic delivery of a calling party's telephone number (including nonpublished and nonlisted telephone numbers) to the called customer, which gives the called customer an opportunity to decide whether to answer the call immediately or not. The number is displayed on customer provided equipment.

#### **CLASS Calling Number Delivery Blocking**

When a line is equipped with per line blocking, the name and number of that line will not be delivered to any subscriber of Caller ID.

#### CLASS Continuous Redial

Allows a customer to dial a code that will cause the feature to automatically redial the last number the customer dialed. If the called number is busy, the feature will redial the called number for a limited period of time. A tone alerts the customer when the called number becomes available.

#### CLASS Last Call Return

Allows a customer to dial a code that will cause the feature to automatically redial the number of the last incoming call to that line, whether the call was answered or not. The customer does not have to know the number of the calling party. If the calling party's number is blocked, by the calling party, the service will not return the call. If the called number is busy, the feature will redial the called number for a limited period of time. A tone alerts the customer when the called line is available.

#### **CLASS Priority Calling**

Allows a customer to assign a maximum of 15 callers' telephone numbers to a special list. The customer will hear a distinctive ring at the customer's location when calls are received from callers' numbers on that list.

#### **CLASS Selective Call Forwarding**

Allows a customer to specify a special list of a maximum of 15 telephone numbers. Incoming calls placed to the customer from telephone numbers on that list will automatically be forwarded to a predefined telephone number. All other calls will be handled normally.

#### **CLASS Selective Call Rejection**

Enables a customer to reject call attempts from up to 15 numbers of calling parties by dialing a code and the telephone numbers of calls to be rejected. Any call attempts to the customer from these numbers will be prevented from terminating to the customer and will instead be connected to an announcement informing the caller that the call is not presently being accepted by the called party.

#### Common Equipment per 1.544 Mbps facility (DS1)

Connects the DS1 interface to the Centrex switch.

#### Conference Calling - Meet Me

Provides the ability to establish - at a predetermined time - a conference of up to 30 members. The conferees can be internal or external to the Customer/Business Group, but one conference member must always be a Centrex Plus station or a trunk in the same group.

#### **Conference Calling - Preset**

A Preset Conference is established when a Centrex Plus station user dials the directory number associated with the conference circuit. It can also be established by a POTS line or an incoming trunk if the customer desires. Up to 25 preselected stations are rung simultaneously. The members may be internal, external or a combination of both. The ability to initiate a Preset Conference is established by the station class of service. As conferees answer their telephones, the conference begins. Unanswered numbers will continue to ring, but with no audible ringback to those already in place. As conferees answer and are cut into the conference, a warning tone is heard by those already conferenced.

#### **Conference Calling - Station Dial**

Allows a customer to establish a conference call with up to six conferees, including the originator. Conferees may be inside or outside the system.

#### **Custom Ringing**

A primary directory number (PDN) and up to three secondary directory numbers (SDN) are assigned to a subscriber's line. When the PDN is called, standard 1FR ringing is applied to the line.

When a SDN is called, one of the following three special ringing patterns is applied:

- 2 long rings
- 2 short rings, 1 long ring
- 1 short ring, 1 long ring, 1 short ring

#### **Data Call Protection**

Provides a no double connect option to the line, protecting data calls from interruption.

#### Dir Sta Sel/Busy Lamp Fld per arrangement

Adds improved answering-position functions to the electronic set by providing busy lamp status and direct station selection.

#### Directed Call Pickup with Barge-in

Direct call pick-up with Barge In permits a user to dial a code and station number and pick up a call that has been answered or is ringing at another telephone, provided the rung telephone permits dial pick-up.

#### **Directed Call Pickup without Barge-in**

Permits a user to dial a code and a station number to pick up a call that is ringing at another station.

#### Distinctive Ring/Distinctive Call Waiting

Enables a station user to determine the source of an incoming call.

#### **Distinctive Ringing**

Enables a station user to determine the source of an incoming call.

#### EBS - Set Interface - per station line

The card provides the communication control for the electronic set and is required per set.

#### **Executive Busy Override**

Allows a station user to gain access to a busy station.

#### **Expensive Route Warning Tone**

Provides a warning tone to indicate the selection of an expensive route.

#### Facility Restriction Level - per system

Determines calling privilege level associated with each station line.

#### Feature Display

Allows the user of a Digital Electronic Telephone Set (DETS) with display capability a method of determining the features and call appearances that are assigned to the buttons on a station.

#### **Group Intercom**

The feature Group Intercom allows a station abbreviated dialing to other station members within the same Group Intercom group.

#### Hot Line - per line

Allows equipped station lines the ability to automatically place a call to a pre-assigned number by going off-hook.

#### **Hunting: Multiposition Circular Hunting**

Distributes incoming calls over a group of telephone numbers in the same office. Incoming calls are routed in a predetermined order beginning with the dial number. If no idle line found by the end of the group, hunting begins with the 1st line in the group and stops with the line just prior to the line with the dialed number. If no lines are idle, a busy tone is given.

#### **Hunting: Multiposition Hunt Queuing**

This is incremental to Multiposition Hunting and is needed for the call to go to an announcement or music when no idle line is found.

#### **Hunting: Multiposition Series Hunting**

Distributes incoming calls over a group of telephone numbers in the same office. Incoming calls are routed in a predetermined order beginning with the dial number. If no idle line found by the end of the group, a busy tone is given.

#### **Hunting: Multiposition with Announcement in Queue**

This is incremental to Multiposition Hunting (Series or Circular). When no idle line is found, the incoming call will go into queue - Announcement will be provided in queue.

#### **Hunting: Multiposition with Music in Queue**

This is incremental to Multiposition Hunting (Series or Circular). When no idle line is found, the incoming call will go into queue - Music will be provided in queue.

#### **Incoming Calls Barred**

Restricts the port to outgoing service only. Incoming service is prohibited.

#### **International Direct Dial Blocking**

This option blocks directly dialed international calls from being completed.

#### **ISDN Short Hunt**

Permits incoming calls to hunt over a set of directory number appearances search of an idle directory number on the Digital (N) Electronic Telephone Set (DETS).

#### Line Side Answer Supervision

This option sends an "off-hook" supervisory signal to the pay station over a compatible loop when the called party answers the call. This signals the Smartset to start timing/billing the call. When the called party disconnects, an "on-hook" signal is detected and the reverse battery signal is returned to normal, telling the smartset to stop the timing and billing of the call.

#### Loudspeaker Paging - per trunk group

This feature permits MDC stations to dial an access code to connect to loudspeaker paging equipment via a trunk connection only.

#### Make Busy Arrangements - per group

Group Make Busy provides a means of making all terminals in a Multiline hunt group appear busy to incoming calls. It allows the customer to busy out the terminals in the hunt group by operating a key (customer provided) at the customer premises.

#### Make Busy Arrangements - per line

Random Make Busy provides a means of making lines appear busy to incoming calls. Allows the customer to busy out a line or group of lines in the hunt group by operating a key (customer provided) at the customer premises.

#### Message Center - per main station line

Provides message center functionality to the electronic set. System users access the message center via dialing a code.

#### Message Waiting Indication A/V

- Audible Waiting Indication when a user goes off hook a stutter dial tone is provided to indicate a message is waiting.
- Visual Waiting Indication provides a message waiting indication on an electronic set via a message waiting lamp.

#### Message Waiting Visual

Provides a message waiting indication on an electronic set via a message waiting lamp.

#### Music On Hold - per system

Provides Music on Hold capability to the system.

#### **Network Speed Call**

Allows each station user access to a single list of 1,000 preprogrammed numbers which can be shared by all stations in the system (not customer changeable).

#### **Night Service Arrangement**

Allows any line in the Night Answer Group to be picked up by any other line of the system.

#### **Outgoing Calls Barred**

This option restricts the port to incoming service only. Outgoing service is prohibited.

#### **Outgoing Trunk Queuing**

When an eligible call placed by a station or an incoming trunk cannot be completed because an idle outgoing trunk is not available, it is given Off Hook queue tone or announcement and is then placed in an Off Hook queue for an outgoing trunk. When a trunk becomes available, the call will be completed in the usual manner."

#### **Privacy Release**

Permits a user to establish a conference call among MADN members and an outside party by pressing an assigned key or dialing a code.

#### **Query Time**

This feature provides the current time and date on an electronic set display.

#### Speed Call 30 Number

Provides the capability for a customer to place a call to a predetermined telephone number by dialing a two digit code.

#### Speed Call 8 Number

Provides the capability for a customer to place a call to a predetermined telephone number by dialing a one digit code.

#### **Speed Calling 1 Digit Controller**

Allows the user to dial a standard access code plus a 1 digit abbreviated code corresponding to a frequently called telephone number. These numbers can be changed by the controller.

#### Speed Calling 1 Digit User

Allows the user to dial a standard access code plus a 1 digit abbreviated code corresponding to a frequently called telephone number. These numbers can be changed by the individual user.

#### Speed Calling 1# List Individual

Allows caller to call preprogrammed numbers by dialing a 1 digit code.

#### **Speed Calling 2 Digit Controller**

A list consisting of up to 30 controller changeable telephone numbers. The digits assigned are from 20 through 49. The user is part of a group sharing the speed call list.

All lines in the system will share one list. One line will be designated as the "owner".

Owner only can establish and change numbers on list.

#### Speed Calling 2 Digit User

Individual station users sharing a list of 30, 50, 0r 70 changeable telephone numbers.

#### Speed Calling 2# List Individual

Allows caller to call preprogrammed numbers by dialing a 2 digit code.

#### Station Camp-On Service - per main station+

Allows the electronic set user to call a busy line and place the caller on hold/camp against the busy party's line until they are free.

#### Station Message Detail Recording (SMDR)

SMDR provides detail on calls by station number that originate from a Centrex type common block. The station message detail may include: the calling station number, the called number, date, time of day, duration of call and carrier selected.

#### **Three-Way Calling**

Enables the customer to add a third party to an existing conversation without operator assistance. To add the third party, the customer flashes the switch hook once to place the second party on hold, receives a stutter dial tone, calls the third party's number, then flashes the switch to establish the three way connection.

#### **Time and Date Display**

The switch provides time and date to the station set. The Time and Date feature is available to attendant and station set users. To use this feature, the user presses the Time/Date button.

#### Time of Day Control for ARS

Provides a method for automatically changing the routing parameter according to a prespecified schedule.

#### Time of Day NCOS Update

Allows normal NCOS (Network Class of Service) values to be mapped on to new values that are based on time of day, day of the week, or day of the year.

#### Time of Day Routing - per line

Enables efficient use of facilities by allowing or denying route choices based on time of day.

#### **Toll Restriction Service**

Restricts port from making toll calls

#### **Trunk Answer Any Station**

(See Night Service Arrangement.)

#### **Trunk Verification from Designated Station**

Allows end users audible transmission level testing from selected trunks within a trunk group, limit of ten stations per system.

#### UCD in hunt group - per line

This is a type of hunting which provides for an even distribution of incoming calls among the available members of a hunt group. UCD hunt group includes Queuing, Music on Queue, and Delayed Announcement.

#### **UCD** with Music After Delay

For Centrex, caller hears music after delay announcement.

#### C. STUDY METHODOLOGY

The costs identified are direct costs which occur as a result of providing features. These include digital central office switch costs in the subscriber's serving wire center.

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Qwest Switching Cost Model (SCM) for digital stored program controlled central offices A detailed description of this program is provided in the model descriptions.

The switch investments include processor time, memory, and hardware appropriate for each feature. The investments are converted to monthly costs using monthly cost factors, e.g. land and building, which are applied through the use of the Windows Personal Cost Calculator (WINPC3) cost program.

The WINPC3 model develops Long Run Incremental Costs (LRIC) from investments and/or expenses associated with Qwest products and services. A detailed description of this program is provided in the workpapers.

The investments are converted to monthly costs using monthly cost factors, which are represented as investment based and expense based. Examples of investment based factors include Capital costs and Ad Valorem taxes. Capital costs consist of depreciation, income tax, and cost of money. Examples of expense based factors would include administration and business fee taxes.

The monthly cost for each feature is multiplied by the state demand to get the total state cost for each feature. All features costs are then summed to get the total feature cost in the state. This is then divided by the total number of lines in the state to get a feature cost per line port.

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS

Total Element Long Run Incremental Cost (TELRIC) studies are performed by Qwest to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The forward-looking Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the *long run* costs associated with providing a network element--reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

Qwest TELRIC studies identify recurring and nonrecurring costs. Recurring costs are the ongoing costs associated with providing a network element. Recurring costs are generally investment-related and include both capital costs and operating expenses. These costs are often presented as a cost per month or per unit of usage (e.g., minute of use) and are incurred throughout the time period the network element is provided to a customer. *Nonrecurring costs* are the

one-time costs that are incurred at the time a customer establishes, disconnects or changes service. These costs normally result from a customer order, and are predominantly labor-related.

The Qwest recurring and nonrecurring TELRIC studies identify costs on a unitized basis and disaggregates the cost results into the following components:

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS (Cont.)

**Total Direct Costs** are the forward-looking costs that are caused by offering the network element in the long run. These costs would not be incurred if the network elements

were not offered. Total Direct Costs reflect the per-unit forward looking cost associated with providing the entire network element in the most efficient manner, holding constant the production of all other network elements produced by the firm. For recurring element costs Total Direct Costs include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required to provision a network, along with other network element-specific costs such as product management expense. For nonrecurring costs, Total Direct Costs include the labor-related expenses associated with the provision of a network element, along with other network element-specific costs such as product management expense.

**Directly Attributed Costs** include network administration and engineering costs and various administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of Total Direct Costs and Directly Attributable Costs. This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- 1. All network investments are forward looking.
- 2. Switch investments are weighted between three switch types.
- 3. All costs displayed are represented on a per line basis.
- 4. Feature usage on unbundled ports will be similar to what is presently on Qwest's retail ports.

Study Name	Cap Lease Port Charges	
Study Requester	Doug Gollehon	
Type of Study_	TELRIC	
Study ID	6416	
Cost Factor Group	Interconnection	
Cost Factor Group	Interconnection	
Control of the Contro		
A CONTRACTOR OF THE CONTRACTOR	-	
Study Applications		
Completion Date	(May 07, 2002	
Completion Date	May 07, 2002 Dave Bacheldor	
Cost Analyst	Reviewer	Data
Study Review		Date   Mar. 07, 2002
	Jim DiManna	May 07, 2002
Models Used	Model	Version
	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02V1
	SCM	02/05/02 (Vintage 10.02)
Cost Factors Used	Tracker	Effective Date
Cost Factors Used	Factor	04/02
	Capital Recovery Maintenance	02/02
	Ad Valorem	02/02
	COE Land & Bldg	02/02
	Marketing Factors	04/02
	Marketing Factors Other Direct Expenses	04/02
	Common Common	04/02
	Common	04702
		10.146
T (1 4)	Cost Of Money	10.14%
Inflation		Martine en en en en en en en en en en en en e
Major Cost Drivers		

Parameter File: Y:\Backup Srvr\Capital Lease\South Dakota\SD Cap Lease Port 6416.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 4 Costs Format: Annual Group Totals: Yes

ACF Input: Y:\Backup Srvr\Capital Lease\South Dakota\SD Cap Lease Port 6416.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: Y:\Backup Srvr\Capital Lease\South Dakota\SD Cap Lease Port 6416.xls, Sheet "WINPC3 ACF Outputs"

Investment: Y:\Backup Srvr\Capital Lease\South Dakota\SD Cap Lease Port 6416.xls, Sheet "WINPC3 Investments"

Output: Y:\Backup Srvr\Capital Lease\South Dakota\SD Cap Lease Port 6416.xls, Sheet "WINPC3 Output"

State: South Dakota

		Loaded	Direct	Invst. Based &	Network	Other Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Cap Lease Port - Monthly		\$0.0000	\$0.3713	\$0.3837	\$0.0190	\$0.1043	\$0.4880	\$0.0348	\$0.5228

# Total Protest Costs

ow	South Dakota	Source or Calculation	Factor Value	Cap Lease Port - Monthly
1 2	Investment	si r"Total" cD	A	0.0000
	Investment Based Costs	si r"Total" cK		0.0000
4				
5	Direct Expenses			0.3713
6	Miscellaneous Expenses			0.0000
7	Billing & Collection - PL			0.0000
8 9	Total Investment Based + Billing & Collection			0.3713
_	Marketing & Business Fees			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0074
12	Sales Expense	cA*(r8-r6)	0.011877	0.0044
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0006
15	Marketing & Business Fees Total	Sum r11:r14		0.0124
16	Sub-Total Invst., B & C, Mktg	r8 + r15		0.3837
18	Sub-Total Invst., B & C, Mktg	10 + 113		0.0007
	Other Direct Expenses			
	Network Operations	cA*(r17-r6)	0.034832	0.0134
	Network Support Assets	cA*(r17-r6)	0.014703	0.0056
	General Support Assets	cA*(r17-r6)	0.088742	0.0340
	General Purpose Computers	cA*(r17-r6)	0.043342	0.0166
	Uncollectible	cA*(r17-r6)	0.003786	0.0015
	Accounting & Finance Expense	cA*(r17-r6)	0.0037346	0.0028
	Human Resources Expense	cA*(r17-r6)	0.007040	0.0020
	Information Management Expense	cA*(r17-r6)	0.000294	0.0032
	Intangibles	cA*(r17-r6)	0.000000	0.0000
	5	Sum r20:r28	0.000000	0.1043
30	Total Other Direct Expenses	Julii 120.120		0.1040
	TELRIC	r17 + r29		0.4880
32				
33	Common			
34	Executive Expense	cA*(r31-r6)	0.011267	0.0055
35	Planning Expense	cA*(r31-r6)	0.000525	0.0003
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0185
37	Legal Expense	cA*(r31-r6)	0.004717	0.0023
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0009
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0074
41	Common Costs	Sum r34:r40		0.0348

Investm€	ost Cald

5/7/02 South Dakota			Ci						
Acct FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
Cap Lease Po	ort - Monthly	 							

# **Section 2**

# **Cost Calculations**

Service:

**CAPITAL LEASE RTU - PER LINE PORT** 

State Name:

2-Character Jurisdiction Abbreviation:

SOUTH DAKOTA

SD

Study Year:

2002

**Study Completion Date:** 

MAY 2002

#### SECTION A

#### Capital Lease Right-to-Use (RTU) Purchases

Source: Qwest Network Services LAMS reports showing application software purchases

Average Capital Lease RTU Purchases per Year

Lease interest rate Payment period (months) \$68,642,647 8.00% 36

#### SECTION B

**Working Lines** 

Source: SCM Core

**Total Working Lines** 

17,379,681

# **CAPITAL LEASE RTU - PER LINE PORT**

# **SOUTH DAKOTA**

# **Applications Software Purchases**

Average Capital Lease Purchases per Year	\$68,642,647
2. Total Capital Lease Expense for each year's purchases	\$77,436,398
Interest rate	8.00%
Term (months)	36
Monthly Payment	\$2,151,011
3. Total Annual Capital Lease Expense	\$77,436,398
Total annual capital lease expense for 1st year leases	\$25,812,133
Total annual capital lease expense for 2nd year leases	\$25,812,133
Total annual capital lease expense for 3rd year leases	\$25,812,133
4. Total working lines	17,379,681
5. Monthly Capital Lease Port Expense	\$0.3713 (to WINPC3 Investments)

## WINPC3 havestments

	Α	В	С	D	Е
1	Investment				
2	STUDY	Cap Lease Port Charges			
3	DATE	5/7/02	111		
4	GROUP	Cap Lease Port - Monthly	1		
5	COMMON	SD	0.3712975629	0.	0.

$\overline{}$		
L	Α	В
1	Parameter	
2	SD	
3	7	
4	4	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	6416	

## WINPC3 AUF Inputs

	Α	В	С	D	E	F	G	Н		J	K	L	M
1	ACFIN		and a second				1			1		:	
2	02SD01E												i
3	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF

## WINPC3 ~~F Inputs

	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA
1										1	a contract and a			
2								l and a man of a second				1		
3	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR

	AB	AC
1		
2		
3	RDEXP	GENL

	Α	В	С	D	E	F	G	H	1	J	К	L	М
1	ACFOUT	Factors Fo	: Interconi	nection									
2	-Run Don	e With Databa	se Vintage: (	02SD01E, Da	ted: 04/08/02								
3	-Wholesa	le Cost Progra	am (TELRIC)	Data Base re	eleased 04/02	(02SD01E).							<u>.</u>
4	-Factors	loaded from F	actors Mode	(Expense M	lodule), Versio	n 02V1.							
5	-CAPITAL	RECOVERY	factors relea	sed 04/02 an	d based on 10	.14% Cost					1		
6	Of Mone	y. No 1-10 yea	ar factors de	veloped.									
7	-MAINTEI	NANCE factor	s released 02	2/02.						1			
8	-RTU fact	tors released (	02/01.		· · · · · · · · · · · · · · · · · · ·								
9	-AD VALO	OREM Tax rele	eased 02/02.					1					
10	-DIRECTI	LY ASSIGNED	expense fac	tors released	d 04/02.								
11	-BUSINES	SS FEES relea	sed 04/02.										.i.
12	-соммо	N Expense rel	eased 04/02.				ļ						
13	-TOTAL I	NSTALLED FA	CTORS (TIF	) released 01	/01.								
14	-POWER	investment fa	ctors release	d 01/01.					1	L			
15	-SALES 1	TAX released (	01/01.				ļ		ļ				
16	-TELCO I	Engineering fa	ctors release	ed 01/01.	<u> </u>			L					
17	-INTERES	ST DURING CO	ONSTRUCTIO	N released (	01/01.					l			
18	-LAND A	ND BUILDING	factors relea	sed 02/02.	İ	<u> </u>			<u> </u>				
19	-DIRECTI	LY ATTRIBUTA	ABLE expens	e factors rel	eased 04/02.							<u>.</u>	
20	-SALES E	EXPENSE fact	or released 0	4/02.							<u> </u>	ļ	<u> </u>
21	-PRODUC	CT MANAGEM	ENT factor re	eleased 04/02	2.				L		İ		
22	-BILLING	& COLLECTION	ON factor rele	eased 01/01.						<u> </u> 			
23	-PROVIS	IONING factor	s released 01	/01.					İ	<u> </u>	<u> </u>	<u> </u>	<u>.</u>
24	-TELEPH	ONE PLANT II	NDEX release	ed 01/01.						1			
25	-STRUCT	URE RATIO re	eleased 01/01							<u> </u>	!	Review - nor	

#### WINPC3 A. Outputs

	Α	В	С	D	E	F	G	Н	l	J	K	L	M	N	0
37										!			<u> </u>		
38	State:	South Dake	ota									1			!
39									ı			1			
40		DEPR-AVG			MTNC-TOT						SALESEXP			NTWKOP	NTWKST
41	2124	0.164850	0.047620	0.018008	0.000000	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703
42														<u> </u>	
43												l	·		
44							i i	:				1	1		:

#### WINPC3 Aur Outputs

	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	AA	AB	AC	AD
37															
38															
39															
40	GENLST													GENL	
41	0.088742	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	
42						,,	•••								
43										bearing the second of the second					
44	. M									ſ					

## **Section 3**

## **Source Data**

OW	
CAAA I	

Capital Le	ase RTU Cost per Workin	g Line					
Year	Total 377 Capital Lease (from LAMS)	LNP (from LAMS)	Total	377 less LNP		ISDN RTUs	 l 377 less LNP d ISDN RTUs
1998	91,052,132	37,654,369		53,397,762			
1999	94,041,105	24,417,828		69,623,277			
2000	138,331,323	25,336,312		112,995,010			 
Average C	Capital Lease RTU Purcha	sed per Year	\$	78,672,017	\$	10,029,370	\$ 68,642,647
	xpense Paid for 36 Month	Period					
	erest Rate *					8.00%	
	onthly Payment including Int					\$2,151,011	
	Payment Period of 36 Month				_	36	
	tal Capital Lease Expense i	ncluding Interest for 3	Years		\$	77,436,398	
Div	vided by 3 Years per Lease	•			\$	3	
To	tal Annual Expense includir	ng Interest for Yr 1 Lea	ıses		\$	25,812,133	
То	ital Annual Expense includir	ng Interest for Yr 2 Lea	ises		\$	25,812,133	
То	tal Annual Expense includir	ng Interest for Yr 3 Lea	ıses		\$_	25,812,133	
Total Cap	ital Lease Expense per Ye	ar including Interest					\$ 77,436,398
Total Wor	king Lines						 17,379,681
Application	ons Software per Working	Line per Month					\$ 0.3713

#### MODEL DESCRIPTIONS

#### 1. QWEST SWITCHING COST MODEL:

The Switching Cost Model (SCM) is a set of menu driven PC engineering cost models developed in the QWEST Service Costs and Economic Analysis organization (SCEA). SCM provides unit investments for various services and features provided by the DMS-10, DMS-100, DMS-200, DMS-100/200, and 5ESS switching equipment. The model has a Features module which provides unit investments for features (e.g., Custom Calling, MVP, Centrex).

SCM Core is the first of three major processes in the SCM Model. SCM Core determines the Average Busy Season, Busy Hour, unit investments by functional category. Other models use the Busy Hour investments as input. The SCM Calls process of the model calculates investments for call setup and conversation CCS. The SCM Features process of the model calculates unit investments for central office features.

The SCM Features process develops investments for features by using the functional category unit investments created in SCM Core along with inputs provided by the SCM Features model user. There is an investment developed for each part of the feature, for example, activation, deactivation, and call attempt. The SCM Features process determines ABSBH investment associated with a feature by partitioning the feature into its components and determining the components not recovered by other rate elements. Cost of the feature must cover those components not recovered by other rate elements. The subscribers busy hour use of the feature drives the investments required. SCM displays most feature costs as an investment per line, consistent with the rate plans for the features. The investments provided also contain investment loadings from WINPC3 of Power, Sales Tax, TELCO, and Interest During Construction.

The Switching Cost Model (SCM) provides QWEST with a flexible and consistent process to provide switching costs suitable to develop price floors. SCM applies long run incremental costing principles for cost development, with consideration given to anticipated long run demand. This approach yields costs that are an appropriate price floor, allowing QWEST to make proper pricing decisions for its services.

#### 2. Retail Cost Program (RCP):

The Retail Cost Program (RCP) develops retail costs from investments and/or expenses associated with QWEST products and services.

The RCP will apply investment loadings and annual cost factors, as applicable, to an investment and/or expense. The program calculates Direct Costs (TSLRIC), Network Support Costs, Attributable Costs, and Fully Allocated Costs resulting from an investment or expense.

#### **Model Definitions**

#### SCM Definitions:

INVESTMENT: An investment is the amount of capital used to purchase equipment and material to provide a service.

**ENGINEERED FURNISHED & INSTALLED (EF&I)**: An Engineered, Furnished and Installed investment includes installation by the Vendor: An EF&I investment includes a dollar amount for the equipment, material, engineering, furnishing (delivery and/or supply) and installation.

**TOTAL INSTALLED INVESTMENT (TII):** A TII investment includes a dollar amount for equipment, material, engineering, furnishing & installation as well as a dollar amount (if applicable) for Power, Sales Tax, Telco labor and Interest During Construction (IDC).

#### RCP Definitions:

EXPENSE: An expense is the amount of non-capitalized dollars associated with the provision of a product or service.

**INFLATION**: Inflation is an increase in the amount of an investment from a base year to the study year. Inflation results from increases in the cost of money, material, or any other items impacting the value of an investment. The model can apply inflation to EF&I or Total Installed investments.

**LOADING FACTORS**: Loading factors applied to an EF&I investment provide the additional dollar amounts to bring an EF&I investment to the Total Installed Investment level.

**POWER:** The power factor estimates the investment required for Central Office back up power equipment (used for EF&I Central Office Equipment [COE] accounts only).

**SALES TAX**: The sales tax factor provides the amount of sales tax paid on vendor provided material and equipment (used for all accounts).

TELCO: The TELCO factor develops the dollar amount of Qwest engineering and labor involved with vendor installation (used for EF&I accounts only).

**INTEREST DURING CONSTRUCTION**: The interest during construction factor estimates the amount of interest that accrues on construction dollar amounts until completion (used with all accounts).

**LAND & BUILDING:** The land and building factors applied to a Total Installed Central Office equipment investment recovers the investment in Central Office land and buildings. Annual cost factors are applicable to the land and building investments (used with COE accounts only).

**ANNUAL COST FACTORS:** Annual cost factors identify the annual costs associated with Total Installed Investments. There are two types of Annual Cost Factors (Investment based and Expense based). Annual cost factors are appropriate for use with all accounts.

**INVESTMENT BASED FACTORS**: Investment based annual cost factors applied to a Total Installed Investment identify annual costs directly related to the use of an investment.

**MAINTENANCE COSTS**: Maintenance costs represent the cost of upkeep, trunk and line testing, rearrangements and changes.

**CAPITAL COSTS (CAPCOST):** Capital costs are annual or monthly costs associated with recovery of a total installed investment.

AD VALOREM TAX: The ad valorem factor estimates the annual "property tax" applicable to an investment.

**EXPENSE BASED FACTORS**: These factors applied to an expense created by the Investment Based Factors will identify additional expenses resulting from the provision of a service.

**SALES EXPENSE**: The sales expense factor determines the amount of expense associated with making a sale. It develops the relevant expense pertaining to the cost of a sale up to the "hand shake" as well as a portion of capital costs. We divide this expense by total direct cost.

**PRODUCT MANAGEMENT EXPENSE:** The product management factor develops the amount of expense associated with managing the products of the business. This expense includes all expense relevant to Product Management, as well as a portion of capital costs. We divide this expense by total direct cost.

**ADMINISTRATION**: The administration expense factor develops the administration expense associated with COE, Outside Plant (OSP), and coin services.

SALES COMPENSATION EXPENSE: The sales compensation factor develops the amount of sales compensation resulting from successfully completing a business sale. This is a revenue based factor that includes compensation for business sales only. We divide sales compensation by total business revenues.

**RIGHT TO USE FEES:** The right to use (RTU) fees factor estimates some of the software expense associated with the purchase of digital switches.

**BUSINESS FEES**: The business fees factor develops a dollar amount associated with state fees and taxes assessed on the aggregate revenue of those states that impose such fees and taxes.

**COMMON**: Common calculates expenses common to the firm.

Qwest.

# QWEST SOUTH DAKOTA PREMIUM PORT INCREMENT TELRIC

Study ID: 6417
RECURRING COST STUDY

**MAY 2002** 



Market Services And Economic Analysis Organization

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## **Section 1**

# Study Output

#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate the long run incremental costs Qwest will incur to provide premium features for use on an Unbundled Network Element Analog or BRI line port.

This study develops the unitized total element long run incremental cost (TELRIC).

Costs developed in this study are monthly recurring costs per port for the premium features available to an unbundled Analog Line Side Port or ISDN BRI Port.

#### B. DESCRIPTION OF SERVICE

Analog line port and BRI port customers desiring one or more of the following premium features will be required to purchase a Premium Analog Line Port or a Premium BRI Port which will include the TELRIC costs of the following features.

#### Centrex Management System (CMS)

A computer software program that provides the customer access to their Centrex database for the purpose of general database inquiry, move, add, delete, and change of station lines and generate Basic Management Reports without having service orders issued.

#### **Conference Calling - Meet Me**

Provides the ability to establish - at a predetermined time - a conference of up to 30 members. The conferees can be internal or external to the Customer/Business Group, but one conference member must always be a station in the same group.

#### **Conference Calling - Preset**

A Preset Conference is established when a station user dials the directory number associated with the conference circuit. It can also be established by a POTS line or an incoming trunk if the customer desires. Up to 25 preselected stations are rung simultaneously. The members may be internal, external or a combination of both. The ability to initiate a Preset Conference is established by the station class of service. As conferees answer their telephones, the conference begins. Unanswered numbers will continue to ring, but with no audible ringback to those already in place. As conferees answer and are cut into the conference, a warning tone is heard by those already conferenced.

#### **Conference Calling - Station Dial**

Allows a customer to establish a conference call with up to six conferees, including the originator. Conferees may be inside or outside the system.

#### C. STUDY METHODOLOGY

The costs identified are direct costs which occur as a result of providing features. These include digital central office switch costs in the subscriber's serving wire center.

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Qwest Switching Cost Model (SCM) for digital stored program controlled central offices A detailed description of this program is provided in the model descriptions.

#### C. STUDY METHODOLOGY (cont.)

The switch investments include processor time, memory, and hardware appropriate for each feature. The investments are converted to monthly costs using monthly cost factors, e.g. land and building, which are applied through the use of the Windows Personal Cost Calculator (WINPC3) cost program.

The WINPC3 model develops Long Run Incremental Costs (LRIC) from investments and/or expenses associated with Qwest products and services. A detailed description of this program is provided in the workpapers.

The investments are converted to monthly costs using monthly cost factors, which are represented as investment based and expense based. Examples of investment based factors include Capital costs and Ad Valorem taxes. Capital costs consist of depreciation, income tax, and cost of money. Examples of expense based factors would include administration and business fee taxes.

The monthly cost for each feature is multiplied by the probability that a customer willing to purchase the premium port is going to have that feature provisioned. The resulting products (i.e., monthly cost times probability for each feature) are then summed to get the total premium feature cost increment.

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS

Total Element Long Run Incremental Cost (TELRIC) studies are performed by Qwest to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The forward-looking Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the *long run* costs associated with providing a network element--reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

Qwest TELRIC studies identify recurring and nonrecurring costs. Recurring costs are the ongoing costs associated with providing a network element. Recurring costs are generally investment-related and include both capital costs and operating expenses. These costs are often presented as a cost per month or per unit of usage (e.g., minute of use) and are incurred throughout the time period the network element is provided to a customer. *Nonrecurring costs* are the

one-time costs that are incurred at the time a customer establishes, disconnects or changes service. These costs normally result from a customer order, and are predominantly labor-related.

The Qwest recurring and nonrecurring TELRIC studies identify costs on a unitized basis and disaggregates the cost results into the following components:

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS (Cont.)

Total Direct Costs are the forward-looking costs that are caused by offering the network element in the long run. These costs would not be incurred if the network elements were not offered. Total Direct Costs reflect the per-unit forward looking cost associated with providing the entire network element in the most efficient manner, holding constant the production of all other network elements produced by the firm. For recurring element costs Total Direct Costs include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required to provision a network, along with other network element-specific costs such as product management expense. For nonrecurring costs, Total Direct Costs include the labor-related expenses associated with the provision of a network element, along with other network element-specific costs such as product management expense.

**Directly Attributed Costs** include network administration and engineering costs and various administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of Total Direct Costs and Directly Attributable Costs. This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- 1. All network investments are forward looking.
- 2. Switch investments are weighted between three switch types.
- 3. All costs displayed are represented on a per line basis.
- 4. Because of the few additional features available to a premium port and the high cost associated with those features, there is a higher than average probability that a customer willing to purchase a premium port will use or have premium features provisioned.

Study Name	SGAT FEATURES	The state of the s
Study Requester	Doug Gollehon	
Type of Study	TELRIC	
Study ID	6417	
Cost Factor Group	Interconnection	
Cost ructor Group	The Commediate	
	, , , , , , , , , , , , , , , , , , , ,	
	The state of the s	
Study Applications		***************************************
Completion Date	May 07, 2002	
Cost Analyst	Dave Bacheldor	
Study Review	Reviewer	Date
	Jim DiManna	May 07, 2002
Models Used	Model	Version
	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02VI
	SCM	02/05/02 (Vintage 10.02)
		~~~
Cost Factors Used	Factor	Effective Date
	Capital Recovery	04/02
	Maintenance	02/02
	Ad Valorem	02/02
	COE Land & Bldg	02/02
	Marketing Factors	04/02
	Other Direct Expenses	04/02
	Common	04/02
314 ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND ALC AND AL		
	Cost Of Money	10.14%
Inflation	Cost Of Money	10.1470
Major Cost Drivers		

State: South Dakota

Description	TELRIC + Common	Provisioning Probability for Premium Port	Feature's Share of Premium Port Cost
Centrex Management System (CMS)	\$0.5280	100%	\$0.5280
Conference Calling - Meet Me	\$14.8321	5%	\$0.7416
Conference Calling - Preset	\$10.8339	5%	\$0.5417
Station Dial Conferencing (6 Way)	\$2.2362	30%	\$0.6709
Monthly Cost of Premium Analog Port			\$2.4822

Parameter File: Y:\Backup Srvr\Premium Port\South Dakota\SD Premium Port 6417.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 4
Costs Format: Monthly
Group Totals: Yes

ACF Input: Y:\Backup Srvr\Premium Port\South Dakota\SD Premium Port 6417.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: Y:\Backup Srvr\Premium Port\South Dakota\SD Premium Port 6417.xls, Sheet "WINPC3 ACF Outputs"

Investment: Y:\Backup Srvr\Premium Port\South Dakota\SD Premium Port 6417.xls, Sheet "WINPC3 Investments"

Output: Y:\Backup Srvr\Premium Port\South Dakota\SD Premium Port 6417.xls, Sheet "WINPC3 Output"

State: South Dakota

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Centrex Management System (CMS)		\$1.1382	\$0.3524	\$0.3875	\$0.0192	\$0.1054	\$0.4929	\$0.0351	\$0.5280
Conference Calling - Meet Me		\$685.5323	\$0.0000	\$10.8851	\$0.5392	\$2.9600	\$13.8451	\$0.9870	\$14.8321
Conference Calling - Preset		\$500.7361	\$0.0000	\$7.9509	\$0.3938	\$2.1621	\$10.1129	\$0.7209	\$10.8339
Station Dial Conferencing (6 Way)		\$103.3556	\$0.0000	\$1.6411	\$0.0813	\$0.4463	\$2.0874	\$0.1488	\$2.2362

### Total Prenat Costs

	5/7/02 .J:17 AM						
Row	South Dakota	Source or Calculation	Factor Value	Centrex Management System (CMS)	Conference Calling - Meet Me	Conference Calling - Preset	Station Dial Conferencing (6 Way)
			A	В	С	D	E
1	Investment	si r"Total" cD		1.1382	685.5323	500.7361	103.3556
2		4 117 - 1 - 111 - 17		0.0000	10 7007	7.0041	4 5004
	Investment Based Costs	si r"Total" cK		0.0226	10.5337	7.6941	1.5881
2	i Direct Expenses			0.3524	0.0000	0.0000	0.0000
	6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000
	Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000
	3 Total Investment Based + Billing & Collection			0.3750	10.5337	7.6941	1.5881
9				0.0700	10.0007	7,0077	110001
	) Marketing & Business Fees						
	Product Management Expense	cA*(r8-r6)	0.019957	0.0075	0.2102	0.1536	0.0317
	2 Sales Expense	cA*(r8-r6)	0.011877	0.0045	0.1251	0.0914	0.0189
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0006	0.0161	0.0118	0.0024
	Marketing & Business Fees Total	Sum r11:r14		0.0125	0.3515	0.2567	0.0530
16	_						
	Sub-Total Invst., B & C, Mktg	r8 + r15		0.3875	10.8851	7.9509	1.6411
18	3						
19	Other Direct Expenses						
20	Network Operations	cA*(r17-r6)	0.034832	0.0135	0.3791	0.2769	0.0572
2	Network Support Assets	cA*(r17-r6)	0.014703	0.0057	0.1600	0.1169	0.024
2	2 General Support Assets	cA*(r17-r6)	0.088742	0.0344	0.9660	0.7056	0.1456
23	3 General Purpose Computers	cA*(r17-r6)	0.043342	0.0168	0.4718	0.3446	0.071
24	4 Uncollectible	cA*(r17-r6)	0.003786	0.0015	0.0412	0.0301	0.0062
2	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0028	0.0800	0.0584	0.012
20	6 Human Resources Expense	cA*(r17-r6)	0.008294	0.0032	0.0903	0.0659	0.0136
2	7 Information Management Expense	cA*(r17-r6)	0.070887	0.0275	0.7716	0.5636	0.116
2	3 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.000
	Total Other Direct Expenses	Sum r20:r28		0.1054	2.9600	2.1621	0.4460
3				2 1000	3.5.2.2.	10 1100	
3		r17 + r29		0.4929	13.8451	10.1129	2.0874
3							
	Common	-A*/-01 -C\	0.011007	0.0050	0.4500	0.1139	0.023
	4 Executive Expense	cA*(r31-r6)	0.011267	0.0056	0.1560		
	5 Planning Expense	cA*(r31-r6)	0.000525	0.0003	0.0073 0.5240	0.0053 0.3827	.0.0011 0.0790
	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0187			
	7 Legal Expense	cA*(r31-r6)	0.004717	0.0023	0.0653	0.0477	0.0098 0.0039
	8 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0009	0.0257	0.0188	
	9 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0001	0.0001	0.000
	O Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0074	0.2086	0.1523	0.0314
	1 Common Costs	Sum r34:r40		0.0351	0.9870	0.7209	0.1488
4		-04 -44		0.000	14 0004	10,0000	: D.000
4	3 TELRIC + Common Costs	r31 + r41	1911 1 104 (91)	0.5280	14.8321	10.8339	2.236

5/7/02 South Da	ıkota				SGAT FEATU	IRES				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
Centrex	Manag	ement System (CMS)								
			0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.000
2212	377C	Digital Switch	0.0223	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
2124	2124	General Purpose Computers	1.1113	0.0153	0.0044	0.0017	0.0009	0.0000	0.0000	0.022
2111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
		Total	1.1382	0.0155	0.0045	0.0017	0.0009	0.0000	0.0000	0.022
Confere	nce Ca	lling - Meet Me			<del></del>					
2212	377C	Digital Switch	569.5849	5.1695	2.1571	0.8157	0.4531	0.4755	0.0000	9.070
2111	20C	Land	2.1257	0.0000	0.0171	0.0065	0.0017	0.0023		0.027
2121	110C	Building	113.8217	0.2449	0.7101	0.2686	0.0905	0.1211		1.435
		Total	685.5323	5.4144	2.8843	1.0907	0.5454	0.5989	0.0000	10.533
Confere	ence Ca	lling - Preset								
2212	377C	Digital Switch	416.0442	3.7760	1.5756	0.5958	0.3310	0.3473	0.0000	6.625
2111	20C	Land	1.5527	0.0000	0.0125	0.0047	0.0012	0.0017		0.020
2121	110C	Building	83.1392	0.1789	0.5187	0.1962	0.0661	0.0885		1.048
		Total	500.7361	3.9549	2.1068	0.7967	0.3983	0.4374	0.0000	7.694
2212 2111	377C 20C	nferencing (6 Way)  Digital Switch  Land	85.8746 0.3205	0.7794 0.0000	0.3252 0.0026	0.1230 0.0010	0.0683 0.0003	0.0717 0.0003	0.0000	1.367 0.004
2121	110C	Building	17.1605	0.0369	0.1071	0.0405	0.0137	0.0183		0.216
		Total	103.3556	0.8163	0.4349	0.1644	0.0822	0.0903	0.0000	1.588

## **Section 2**

## **Cost Calculations**

Service:

PREMIUM PORT INCREMENT

State Name:

SOUTH DAKOTA

2-Character Jurisdiction Abbreviation:

SD

Study Year:

2002

**Study Completion Date:** 

MAY 2002

#### SECTION A

Switching Investments - Features

Source: SCM

Conference Calling - Meet Me Conference Calling - Preset Station Dial Conferencing (6 Way)

#### SECTION B

#### Centrex Management System (CMS)

- Investment and Expense

Source: U S WEST CMS Study

 Investment per Line
 2124
 \$ 1.1113

 Investment per Line
 377C
 \$ 0.0223

 Expense per Line
 \$ 0.3524

#### SCM Fuatures

#### PREMIUM PORT INCREMENT

#### SOUTH DAKOTA

#### Switching Cost Model (SCM) Output

	Investme	ent						
	STUDY	SGAT Features	C		E	Total (C+E)		
3	EF&I	NM	406.7420044	0	162.8428955	569.5848999023 3	77C	CENTRON Meet-Me Conference Large
4	EF&I	NM	297.0281067	0	119.016098	416.0442047119 3	77C	CENTRON Preset Conference
5	EF&I	NM	72.58259835	0	13.29198244	85.8745807962 3	77C	CENTRON Station Dial Conferencing

SCN, Jals

#### PREMIUM PORT INCREMENT

#### SOUTH DAKOTA

Source	Source	In	377C vestment	ln	2124 vestment		Expense
from: SCM Features Columns C+E	from: Inputs		Total to: WINPC3 vestments Tab	1	Fotal to: WINPC3 restments Tab	Total to: WINPC3 Investments Tab	
Ln32 Ln42 Ln45	G121,122,123	\$ \$ \$	0.0223 569.5849 416.0442 85.8746	\$	1.1113	\$	0.3524

Centrex Management System (CMS) Conference Calling - Meet Me Conference Calling - Preset Station Dial Conferencing (6 Way)

	Α	В	С	D	E	F
1	Investment	·				
2	STUDY	SGAT FEATURES				
3	DATE	5/7/02				
4	GROUP	Centrex Management Sy	stem (CMS)		ļ	
5	LOADED	SD	0.0222822279	0.	0.	377C
6	LOADED	SD	1.1113405234	0.	0.	2124
7	COMMON	SD	0.352376663	0.	0.	
8	GROUP	Conference Calling - Mee	et Me			
9	LOADED	SD	569.5848999023	0.	0.	377C
10	GROUP	Conference Calling - Pres	set			
11	LOADED	SD	416.0442047119	0.	0.	377C
12	GROUP	Station Dial Conferencing	ı (6 Way)	!	!	
13	LOADED	SD	85.8745807962	0.	0.	377C

	Α	В
1	Parameter	
2	SD	THE RESERVE OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF T
3	7	
4	4	
5	Monthly	12
6	Yes	
7	No	7
8		
9	11	
10	6417	

#### WINPC3 AUF Inputs

	Α	В	С	D	E	F	G	Н	1	J	K	L	М
1	ACFIN		I LALOUS ME							:		- <del></del>	
2	02SD01E											1	
3	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
4	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
5	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
6	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	<b>ADVER</b>	BF	NTWKOP

#### WINPC3 ハンデ Inputs

	N	0	Р	Q	R	S	T	U	V	W	X	Υ	Z	AA
1				1			. ]						1	İ
2									1			1	İ	
3	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
4	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
5	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP
6	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP

	AB
1_	
2	
3	GENL
4	GENL
5	GENL
6	GENL

#### WINPC3 ... Outputs

	Α	В	С	D	E	F	G	Н		J	K	L	М
1	ACFOUT	Factors Fo	r: Intercon	nection						İ			
2	-Run Doi	ne With Datab	ase Vintage:	02SD01E, D	ated: 04/08/0	2							
3	-Wholes	ale Cost Progi	ram (TELRIC	) Data Base ı	eleased 04/02	2 (02SD01E).				1			1.
4	-Factors	loaded from I	Factors Mode	el (Expense l	Module), Vers	ion 02V1.			!			:	1
5	-CAPITA	L RECOVERY	factors relea	ased 04/02 aı	nd based on 1	0.14% Cost				1 ,			
6	Of Mone	ey. No 1-10 ye	ear factors de	eveloped.		1						i 	
7	-MAINTE	NANCE factor	rs released 0	2/02.		<u> </u>							
8	-RTU fac	tors released	02/01.								:		
9	-AD VAL	OREM Tax rel	leased 02/02.									ļ	i
10	-DIRECT	LY ASSIGNED	) expense fa	ctors release	d 04/02.								
11	-BUSINE	SS FEES rele	ased 04/02.									ļ	<u> </u>
12	-соммо	ON Expense re	eleased 04/02					; }					
13	-TOTAL	INSTALLED F	ACTORS (TI	F) released 0	1/01.								
14	-POWER	investment fa	actors releas	ed 01/01.		<u> </u>					ļ	ļ	
15	-SALES	TAX released	01/01.						ļ				
16	-TELCO	Engineering f	actors releas	ed 01/01.									
17	4	ST DURING C	CONSTRUCTI	ON released	01/01.					i .i		1	1
18		ND BUILDING	a factors rele	ased 02/02.	L		ļ 	: 	i 4			<u> </u>	
19	-DIREC1	TLY ATTRIBUT	TABLE exper	se factors re	eleased 04/02.	ļ							
20	-SALES	EXPENSE fac	tor released	04/02.	J				ļ		· +		
21	-PRODU	CT MANAGEN	MENT factor	released 04/0	) <b>2.</b>				<u>.</u>		: 		
22		G & COLLECT	ION factor re	leased 01/01	•				<u> </u>				
23	-PROVIS	SIONING facto	rs released (	1/01.									
24	-TELEPI	HONE PLANT	INDEX releas	sed 01/01.						i			
25	-STRUC	TURE RATIO I	released 01/0	1.									!

#### WINPC3 Aur Outputs

	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N
37														
38	State:	South Dake	ota											!
39	]													
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
41	377C	0.108910	0.045445	0.017186	0.010018	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703
42	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703
43	110C	0.0202	0.074869					0.000000				,		
44	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703

#### WINPC3 Aur Outputs

	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB
37														
38														
39														
40	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
41	0.088742	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
42	0.088742	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
43	0.088742	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
44	0.088742	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064

## **Section 3**

## **Source Data**

STATE: ALL OFFICE FILE YEAR: 02

SCM Inputs
SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT

(Engineered, Furnished and Installed - 377C)

Year of Investments: 2002

VERSION 10.02 02/05/02 Sdprem~1.xls Page 25

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
CENTRON		
Meet-Me Conference Large	Number of Conferees on Call	30.0000
Meet-Me Conference Large	Busy Hour Meet-Me Conference Call Attempts per Line	0.0450
Meet-Me Conference Large	Meet-Me Conference or Office Holding Time (CCS per Call)	15.6670
CENTRON		
Preset Conference	Number of Conferees on Call	05 8000
		25.0000
Preset Conference	Busy Hour Preset Conference Call Attempts per PSC Line	0.0400
Preset Conference	Preset Conference or Office Holding Time (CCS per Call)	15.6670
CENTRON		
Station Dial Conferencing	Number of Conferees on Call	6.0000
Station Dial Conferencing	Busy Hour Station Dial Conference Call Attempts per SDC Line	0.0300
Station Dial Conferencing	Station Dial Conference or Office Holding Time (CCS per Call)	15.6670
Classif Bia: Combiending	clation bias cornerence of cince riolating Time (000 per oall)	15.6676

Output developed in the Switching Features Cost Model (SCM) is contained in a project file. For this study, the source project file is called

#### SCM10.02 Prem Port 04-02.xls

Authorized users will have access to the Switching Features Cost

Module as an executable file named

Scmfeat10.exe

The project file can be opened within this module so that
the investment components of the switch feature can be fully evaluated.

#### **MODEL DESCRIPTIONS**

#### 1. QWEST SWITCHING COST MODEL:

The Switching Cost Model (SCM) is a set of menu driven PC engineering cost models developed in the QWEST Service Costs and Economic Analysis organization (SCEA). SCM provides unit investments for various services and features provided by the DMS-10, DMS-100, DMS-200, DMS-100/200, and 5ESS switching equipment. The model has a Features module which provides unit investments for features (e.g., Custom Calling, MVP, Centrex).

SCM Core is the first of three major processes in the SCM Model. SCM Core determines the Average Busy Season, Busy Hour, unit investments by functional category. Other models use the Busy Hour investments as input. The SCM Calls process of the model calculates investments for call setup and conversation CCS. The SCM Features process of the model calculates unit investments for central office features.

The SCM Features process develops investments for features by using the functional category unit investments created in SCM Core along with inputs provided by the SCM Features model user. There is an investment developed for each part of the feature, for example, activation, deactivation, and call attempt. The SCM Features process determines ABSBH investment associated with a feature by partitioning the feature into its components and determining the components not recovered by other rate elements. Cost of the feature must cover those components not recovered by other rate elements. The subscribers busy hour use of the feature drives the investments required. SCM displays most feature costs as an investment per line, consistent with the rate plans for the features. The investments provided also contain investment loadings from WINPC3 of Power, Sales Tax, TELCO, and Interest During Construction.

The Switching Cost Model (SCM) provides QWEST with a flexible and consistent process to provide switching costs suitable to develop price floors. SCM applies long run incremental costing principles for cost development, with consideration given to anticipated long run demand. This approach yields costs that are an appropriate price floor, allowing QWEST to make proper pricing decisions for its services.

#### **Model Definitions**

#### SCM Definitions:

INVESTMENT: An investment is the amount of capital used to purchase equipment and material to provide a service.

**ENGINEERED FURNISHED & INSTALLED (EF&I)**: An Engineered, Furnished and Installed investment includes installation by the Vendor: An EF&I investment includes a dollar amount for the equipment, material, engineering, furnishing (delivery and/or supply) and installation.

**TOTAL INSTALLED INVESTMENT (TII):** A TII investment includes a dollar amount for equipment, material, engineering, furnishing & installation as well as a dollar amount (if applicable) for Power, Sales Tax, Telco labor and Interest During Construction (IDC).

#### RCP Definitions:

**EXPENSE**: An expense is the amount of non-capitalized dollars associated with the provision of a product or service.

**INFLATION**: Inflation is an increase in the amount of an investment from a base year to the study year. Inflation results from increases in the cost of money, material, or any other items impacting the value of an investment. The model can apply inflation to EF&I or Total Installed investments.

**LOADING FACTORS**: Loading factors applied to an EF&I investment provide the additional dollar amounts to bring an EF&I investment to the Total Installed Investment level.

**POWER**: The power factor estimates the investment required for Central Office back up power equipment (used for EF&I Central Office Equipment [COE] accounts only).

SALES TAX: The sales tax factor provides the amount of sales tax paid on vendor provided material and equipment (used for all accounts).

TELCO: The TELCO factor develops the dollar amount of Qwest engineering and labor involved with vendor installation (used for EF&I accounts only).

**INTEREST DURING CONSTRUCTION**: The interest during construction factor estimates the amount of interest that accrues on construction dollar amounts until completion (used with all accounts).

**LAND & BUILDING**: The land and building factors applied to a Total Installed Central Office equipment investment recovers the investment in Central Office land and buildings. Annual cost factors are applicable to the land and building investments (used with COE accounts only).

ANNUAL COST FACTORS: Annual cost factors identify the annual costs associated with Total Installed Investments. There are two types of Annual Cost Factors (Investment based and Expense based). Annual cost factors are appropriate for use with all accounts.

**INVESTMENT BASED FACTORS**: Investment based annual cost factors applied to a Total Installed Investment identify annual costs directly related to the use of an investment.

MAINTENANCE COSTS: Maintenance costs represent the cost of upkeep, trunk and line testing, rearrangements and changes.

CAPITAL COSTS (CAPCOST): Capital costs are annual or monthly costs associated with recovery of a total installed investment.

AD VALOREM TAX: The ad valorem factor estimates the annual "property tax" applicable to an investment.

**EXPENSE BASED FACTORS**: These factors applied to an expense created by the Investment Based Factors will identify additional expenses resulting from the provision of a service.

**SALES EXPENSE**: The sales expense factor determines the amount of expense associated with making a sale. It develops the relevant expense pertaining to the cost of a sale up to the "hand shake" as well as a portion of capital costs. We divide this expense by total direct cost.

**PRODUCT MANAGEMENT EXPENSE**: The product management factor develops the amount of expense associated with managing the products of the business. This expense includes all expense relevant to Product Management, as well as a portion of capital costs. We divide this expense by total direct cost.

**ADMINISTRATION**: The administration expense factor develops the administration expense associated with COE, Outside Plant (OSP), and coin services.

**SALES COMPENSATION EXPENSE**: The sales compensation factor develops the amount of sales compensation resulting from successfully completing a business sale. This is a revenue based factor that includes compensation for business sales only. We divide sales compensation by total business revenues.

**RIGHT TO USE FEES**: The right to use (RTU) fees factor estimates some of the software expense associated with the purchase of digital switches.

**BUSINESS FEES**: The business fees factor develops a dollar amount associated with state fees and taxes assessed on the aggregate revenue of those states that impose such fees and taxes.

COMMON: Common calculates expenses common to the firm.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe

In the 'Type Of Data' list box, select the correct data directory

In the 'Keep States Separate' box, select 'Yes'

In the 'Weight Hosts & Remotes Together' box, select 'Yes'

In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight SSW102A1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW202A1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight SSW302A1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Meet-Me Conference Large'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Number of Conferees on Call'

In the 'Enter New Input' box, enter '30' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Meet-Me Conference Call Attempts per Line'

In the 'Enter New Input' box, enter '0.045' and click OK

In the 'Feature Inputs' list box, select 'Meet-Me Conference or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '15.667' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Preset Conference'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Number of Conferees on Call'

In the 'Enter New Input' box, enter '25' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Preset Conference Call Attempts per PSC Line'

In the 'Enter New Input' box, enter '0.04' and click OK

In the 'Feature Inputs' list box, select 'Preset Conference or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '15.667' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Station Dial Conferencing'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Number of Conferees on Call'

In the 'Enter New Input' box, enter '6' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Station Dial Conference Call Attempts per SDC Line'

In the 'Enter New Input' box, enter '0.03' and click OK

In the 'Feature Inputs' list box, select 'Station Dial Conference or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '15.667' and click OK

Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears. Save the file if so desired.

Qwest:

# QWEST SOUTH DAKOTA SGAT FEATURES TELRIC

**Study ID: 6418** 

**RECURRING COST STUDY** 

MAY 2002



Market Services And Economic Analysis Organization

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## **Section 1**

# **Study Output**

#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate the long run incremental costs Qwest will incur to provide features for use on a Line Port, as part of Local Interconnection Service for a Competitive Local Exchange Carrier (CLEC).

This study develops the unitized total element long run incremental cost (TELRIC).

Costs developed in this study are monthly recurring costs per port for the features available to an unbundled Analog Line Side Port.

#### B. DESCRIPTION OF SERVICE

Features are available to unbundled Analog Line Side Ports and the costs, therefore, are included in the port cost.

The following features are included in this study:

#### 10XXX Direct Dialed Blocking

This option blocks directly dialed calls which use a carrier's CIC code in order to bypass the designated PIC'd carrier. This feature does not restrict all directly dialed calls.

#### Account Codes - per system

The Account Code feature allows customer to input numbers (# of digits depends upon switch type) designed for departmental or personal cost accounting and client billing.

#### Attendant Access Line - per station line

Allows a Centrex Attendant Line to receive dial "zero" calls.

#### **Audible Message Waiting**

When a user goes off hook a stutter dial tone is provided to indicate a message is waiting

#### Authorization Codes - per system

Allows a user having an assigned code to change restrictions originating on a subscriber line.

#### Automatic Callback Calling/Ring Again -

Provides an arrangement that permits a line user, when attempting an intercom (i.e., within the customer group) call to a busy line, to be automatically connected to that line when both the called and calling lines are subsequently idle.

#### Automatic Line

Allows equipped station to automatically place a call to a preassigned number by going off-hook.

#### Automatic Route Selection - Common Equip. per system

ARS is an optional feature, available where facilities permit that allows station users, by dialing a preselected code, to automatically select the preferred route subscribed for by a customer, for network calls. Alternate routing to other facilities subscribed for by the customer, is also provided. This arrangement is available for use with FX, WATS and MTS Network.

#### Blocking of pay per call services

Line restricted from making pay per call calls.

#### **Bridging**

Allows the Digital Electronic Telephone Set (DETS) user to bridge onto a currently active call by pressing the shared call appearance button.

#### Call Drop

The Drop feature allows the user to drop the last party that was added to the conference call. Also, this feature allows a user to disconnect a 2-party call.

#### Call Exclusion - Automatic

Automatic bridged call exclusion, automatic re-enable - For this privacy option, the initial privacy status for the CA is private. This mode allows any number of members to bridge onto the call after privacy has been explicitly released. Privacy can be restored by user control only. Hence, privacy need only be released once when a conference bridge of arbitrary size is being established.

#### **Call Exclusion - Manual**

This mode specifies the initial privacy status for the CA to be non-private.

Bridging may occur at any time unless an active EKTS member explicitly invokes privacy on the call.

The privacy can also be released by the user after it is invoked.

#### Call Forwarding Don't Answer - All Calls

Provides for forwarding of all calls to a preselected telephone number,

when the called station does not answer after a predetermined number of ringing cycles.

#### Call Forwarding Don't Answer - Incoming Only

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station does not answer after a predetermined number of ringing cycles.

#### **Call Forwarding Incoming Only**

ISDN Call Forwarding Incoming Only - Allows an ISDN port to forward calls to a user defined telephone number. Only calls originating from outside the business group will be transferred. The destination is changeable by the user. This feature is applicable to both circuit switched voice and circuit switched data call.

#### **Call Forwarding Intra Group Only**

Allows an ISDN port to forward calls to a user defined telephone number within the Business Group only. The destination is changeable by the user. This feature is applicable to both circuit switched voice and circuit switched data call.

#### Call Forwarding-Variable use with Remote Access

Remote Call Forwarding (RCF) provides the customer a local telephone number which establishes a presence in a community without having to have an office in that community. This service provides a telephone number to forward incoming calls to another telephone number. The feature is programmed in the RSF central office so calls going into the RCF telephone number are automatically forwarded to the destination telephone number. No physical location is needed.

#### Call Forwarding-Busy Line (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number in a different central office switch if the called number is busy.

#### **Call Forwarding-Busy Line (External)**

Allows a customer to have incoming calls forwarded to another predetermined number outside the customer's system within the same central office switch when the called number is busy.

#### Call Forwarding-Busy Line/Don't Answer (External)

Allows a customer to have incoming calls forwarded to another predetermined number outside the customer's system within the same central office switch when the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding Busy Line - All Calls

Provides for forwarding of all calls to a preselected telephone number, when the called station is busy.

#### **Call Forwarding Busy Line - Incoming Only**

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station is busy.

#### **Call Forwarding Variable**

Allows a user to automatically forward "all" calls to any other number.

#### Call Forwarding-Busy Line (Overflow)

Allows a customer to have incoming calls forwarded to another predetermined number within the customer's central office if the called number is busy.

#### Call Forwarding-Busy Line (Programmable)

Allows a customer to have incoming calls forwarded to another number when the called number is busy. The customer can activate and deactivate the forwarding feature by dialing a code as well as establish or change the number to which calls are forwarded.

#### Call Forwarding-Busy Line/Don't Answer (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number in a different central office switch if the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding-Busy Line/Don't Answer (Overflow)

Allows a customer to have incoming calls forwarded to another predetermined number within the customer's central office if the called number is busy or if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer

Allows a customer to have an incoming call forwarded to another predetermined number within the same central office switch if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer (Expanded)

Allows a customer to have an incoming call forwarded to another predetermined number outside the serving central office switch if the customer does not answer after a preset number of rings.

#### Call Forwarding-Don't Answer (Programmable)

Allows a customer to have incoming calls forwarded to another number if the customer does not answer after a preset number of ringing cycles. The customer can activate and deactivate the forwarding by dialing a code as well as establish or change the number to which calls are forwarded.

#### Call Forwarding-Variable-No Call Completion Option

An option of Call Forwarding-Variable that allows a customer subscribing to that feature to activate it without completing a call to the forward-to number.

#### Call Hold

Allows a customer to hold any call in progress, by dialing a code.

#### Call Hold/3-Way/Call Transfer

User can connect a third line to an established connection. A user can depress the switchhook, or ISDN set feature button, and consult in private with a third party and return to the original call by using only one line. A user of a line can transfer any established call to another line within or outside the Centrex System.

#### Call Park (Basic - Store & Retrieve)

Allows a user to hold or "Park" a call by dialing a code that can be retrieved from any station by dialing another code.

#### Call Pickup

Enables a station user to answer calls directed to other specified stations by dialing a special code.

#### Call Transfer

Enables a customer to transfer an incoming call to a third party or add a third party to an existing call, forming a three party connection, and then to leave the connection without disconnecting the call.

#### **Call Waiting Dial Originating**

Provides the ability for the originating station to invoke call waiting tone on selected calls by dialing the dial call waiting access code followed by the extension number of the station to be call waited.

#### Call Waiting Indication - per timing state

Lamps are used to indicate that calls have been queued longer than a customer specified threshold. One to three lamps may be provided indicating different delay lengths.

#### **Call Waiting Originating**

Allows a calling station to direct a call waiting tone toward a busy called station within the same system.

#### **Call Waiting Terminating - All Calls**

Allows for a Centrex PRIME station user who is engaged in a telephone conversation to be alerted via an audible tone that a call is waiting on an all calls basis.

#### **Call Waiting Terminating - Incoming Only**

Allows for a Centrex PRIME station user who is engaged in a telephone conversation to be alerted via an audible tone that a call is waiting on an incoming only calls basis.

#### Call Waiting/Cancel Call Waiting

<u>Call Waiting</u> - Allows a customer engaged in telephone conversation to be notified when a third party is attempting to call the customer. The notification is an audible Call Waiting (CW) tone to the CW customer. Audible ring is returned to the third party. CW service provides a hold feature where the CW customer may flash the switch hook and alternate between the original and the second call.

<u>Cancel Call Waiting</u> - This is used in conjunction with the CW feature and allows the customer to cancel the operation of CW for one call. The customer dials a cancel call waiting code, obtains stutter tone, and places a call normally. While Cancel Call Waiting is invoked, incoming calls receive a normal busy signal.

#### Centrex Plus DID numbers per number

DID is a feature that allows an incoming toll or DDD call (not FX or WATS) to reach a specific PBX station line without attendant assistance. With DID, the SPCS seizes a DID trunk and outpulses the station line number to the PBX.

#### **Centrex Plus to Centrex Plus**

When a customer orders a DFI between any two Centrex systems, they must have station lines and usage (for non-blocked) or the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### **Centrex Plus to IC Carrier**

When a customer orders a DFI between Centrex systems and an IC Carrier, they must have station lines and usage (for non-blocked) or the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### Centrex Plus to PBX/Key Blocked

When a customer orders a DFI between Centrex systems and key/PBX, they must have the equivalent number of station lines and NARS (for blocked) to match the number of voice connections on the DFI.

#### Centrex Plus to PBX/Key Non-Blocked

When a customer orders a DFI between Centrex systems and key/PBX, they must have station lines and usage (for nonblocked) to match the number of voice connections on the DFI.

#### **CFDA Incoming Only**

Provides for forwarding of incoming only calls to a preselected telephone number, when the called station does not answer after a predetermined number of ringing cycles.

#### **CLASS Anonymous Call Rejection**

Does not allow an incoming call to ring into a customer's home if the caller has blocked their name and number from being shown on the Caller ID unit. It also routes that call to an announcement in the central office.

#### **CLASS Call Waiting ID**

Allows a customer with Caller Identification to receive name and number information on a call that is waiting. The name and number are displayed on customer provided equipment.

#### **CLASS Calling Name & Number**

Allows for the automatic delivery of a calling party's name and telephone number (including nonpublished and nonlisted telephone numbers) to the called customer, which gives the called customer an opportunity to decide whether to answer the call immediately or not. The name and number are displayed on customer provided equipment.

#### **CLASS Calling Number Delivery**

Allows for the automatic delivery of a calling party's telephone number (including nonpublished and nonlisted telephone numbers) to the called customer, which gives the called customer an opportunity to decide whether to answer the call immediately or not. The number is displayed on customer provided equipment.

#### **CLASS Calling Number Delivery Blocking**

When a line is equipped with per line blocking, the name and number of that line will not be delivered to any subscriber of Caller ID.

#### **CLASS Continuous Redial**

Allows a customer to dial a code that will cause the feature to automatically redial the last number the customer dialed. If the called number is busy, the feature will redial the called number for a limited period of time. A tone alerts the customer when the called number becomes available.

#### CLASS Last Call Return

Allows a customer to dial a code that will cause the feature to automatically redial the number of the last incoming call to that line, whether the call was answered or not. The customer does not have to know the number of the calling party. If the calling party's number is blocked, by the calling party, the service will not return the call. If the called number is busy, the feature will redial the called number for a limited period of time. A tone alerts the customer when the called line is available.

#### **CLASS Priority Calling**

Allows a customer to assign a maximum of 15 callers' telephone numbers to a special list. The customer will hear a distinctive ring at the customer's location when calls are received from callers' numbers on that list.

#### **CLASS Selective Call Forwarding**

Allows a customer to specify a special list of a maximum of 15 telephone numbers. Incoming calls placed to the customer from telephone numbers on that list will automatically be forwarded to a predefined telephone number. All other calls will be handled normally.

#### **CLASS Selective Call Rejection**

Enables a customer to reject call attempts from up to 15 numbers of calling parties by dialing a code and the telephone numbers of calls to be rejected. Any call attempts to the customer from these numbers will be prevented from terminating to the customer and will instead be connected to an announcement informing the caller that the call is not presently being accepted by the called party.

#### Common Equipment per 1.544 Mbps facility (DS1)

Connects the DS1 interface to the Centrex switch.

#### **Custom Ringing**

A primary directory number (PDN) and up to three secondary directory numbers (SDN) are assigned to a subscriber's line. When the PDN is called, standard 1FR ringing is applied to the line.

When a SDN is called, one of the following three special ringing patterns is applied:

- 2 long rings
- 2 short rings, 1 long ring
- 1 short ring, 1 long ring, 1 short ring

#### **Data Call Protection**

Provides a no double connect option to the line, protecting data calls from interruption.

#### Dir Sta Sel/Busy Lamp Fld per arrangement

Adds improved answering-position functions to the electronic set by providing busy lamp status and direct station selection.

#### Directed Call Pickup with Barge-in

Direct call pick-up with Barge In permits a user to dial a code and station number and pick up a call that has been answered or is ringing at another telephone, provided the rung telephone permits dial pick-up.

#### Directed Call Pickup without Barge-in

Permits a user to dial a code and a station number to pick up a call that is ringing at another station.

#### Distinctive Ring/Distinctive Call Waiting

Enables a station user to determine the source of an incoming call.

#### **Distinctive Ringing**

Enables a station user to determine the source of an incoming call.

#### EBS - Set Interface - per station line

The card provides the communication control for the electronic set and is required per set.

#### **Executive Busy Override**

Allows a station user to gain access to a busy station.

#### **Expensive Route Warning Tone**

Provides a warning tone to indicate the selection of an expensive route.

#### Facility Restriction Level - per system

Determines calling privilege level associated with each station line.

#### **Feature Display**

Allows the user of a Digital Electronic Telephone Set (DETS) with display capability a method of determining the features and call appearances that are assigned to the buttons on a station.

#### **Group Intercom**

The feature Group Intercom allows a station abbreviated dialing to other station members within the same Group Intercom group.

#### Hot Line - per line

Allows equipped station lines the ability to automatically place a call to a pre-assigned number by going off-hook.

#### **Hunting: Multiposition Circular Hunting**

Distributes incoming calls over a group of telephone numbers in the same office. Incoming calls are routed in a predetermined order beginning with the dial number. If no idle line found by the end of the group, hunting begins with the 1st line in the group and stops with the line just prior to the line with the dialed number. If no lines are idle, a busy tone is given.

#### **Hunting: Multiposition Hunt Queuing**

This is incremental to Multiposition Hunting and is needed for the call to go to an announcement or music when no idle line is found.

#### **Hunting: Multiposition Series Hunting**

Distributes incoming calls over a group of telephone numbers in the same office. Incoming calls are routed in a predetermined order beginning with the dial number. If no idle line found by the end of the group, a busy tone is given.

#### Hunting: Multiposition with Announcement in Queue

This is incremental to Multiposition Hunting (Series or Circular). When no idle line is found, the incoming call will go into queue - Announcement will be provided in queue.

#### **Hunting: Multiposition with Music in Queue**

This is incremental to Multiposition Hunting (Series or Circular). When no idle line is found, the incoming call will go into queue - Music will be provided in queue.

#### **Incoming Calls Barred**

Restricts the port to outgoing service only. Incoming service is prohibited.

#### **International Direct Dial Blocking**

This option blocks directly dialed international calls from being completed.

#### **ISDN Short Hunt**

Permits incoming calls to hunt over a set of directory number appearances search of an idle directory number on the Digital (N) Electronic Telephone Set (DETS).

#### **Line Side Answer Supervision**

This option sends an "off-hook" supervisory signal to the pay station over a compatible loop when the called party answers the call. This signals the Smartset to start timing/billing the call. When the called party disconnects, an "on-hook" signal is detected and the reverse battery signal is returned to normal, telling the smartset to stop the timing and billing of the call.

#### Loudspeaker Paging - per trunk group

This feature permits MDC stations to dial an access code to connect to loudspeaker paging equipment via a trunk connection only.

#### Make Busy Arrangements - per group

Group Make Busy provides a means of making all terminals in a Multiline hunt group appear busy to incoming calls. It allows the customer to busy out the terminals in the hunt group by operating a key (customer provided) at the customer premises.

#### Make Busy Arrangements - per line

Random Make Busy provides a means of making lines appear busy to incoming calls. Allows the customer to busy out a line or group of lines in the hunt group by operating a key (customer provided) at the customer premises.

#### Message Center - per main station line

Provides message center functionality to the electronic set. System users access the message center via dialing a code.

#### Message Waiting Indication A/V

- Audible Waiting Indication when a user goes off hook a stutter dial tone is provided to indicate a message is waiting.
- Visual Waiting Indication provides a message waiting indication on an electronic set via a message waiting lamp.

#### Message Waiting Visual

Provides a message waiting indication on an electronic set via a message waiting lamp.

#### Music On Hold - per system

Provides Music on Hold capability to the system.

#### **Network Speed Call**

Allows each station user access to a single list of 1,000 preprogrammed numbers which can be shared by all stations in the system (not customer changeable).

#### **Night Service Arrangement**

Allows any line in the Night Answer Group to be picked up by any other line of the system.

#### **Outgoing Calls Barred**

This option restricts the port to incoming service only. Outgoing service is prohibited.

#### **Outgoing Trunk Queuing**

When an eligible call placed by a station or an incoming trunk cannot be completed because an idle outgoing trunk is not available, it is given Off Hook queue tone or announcement and is then placed in an Off Hook queue for an outgoing trunk. When a trunk becomes available, the call will be completed in the usual manner."

#### **Privacy Release**

Permits a user to establish a conference call among MADN members and an outside party by pressing an assigned key or dialing a code.

#### **Ouery Time**

This feature provides the current time and date on an electronic set display.

#### Speed Call 30 Number

Provides the capability for a customer to place a call to a predetermined telephone number by dialing a two digit code.

#### Speed Call 8 Number

Provides the capability for a customer to place a call to a predetermined telephone number by dialing a one digit code.

#### **Speed Calling 1 Digit Controller**

Allows the user to dial a standard access code plus a 1 digit abbreviated code corresponding to a frequently called telephone number. These numbers can be changed by the controller.

#### **Speed Calling 1 Digit User**

Allows the user to dial a standard access code plus a 1 digit abbreviated code corresponding to a frequently called telephone number. These numbers can be changed by the individual user.

#### Speed Calling 1# List Individual

Allows caller to call preprogrammed numbers by dialing a 1 digit code.

#### **Speed Calling 2 Digit Controller**

A list consisting of up to 30 controller changeable telephone numbers. The digits assigned are from 20 through 49. The user is part of a group sharing the speed call list.

All lines in the system will share one list. One line will be designated as the "owner".

Owner only can establish and change numbers on list.

#### **Speed Calling 2 Digit User**

Individual station users sharing a list of 30, 50, 0r 70 changeable telephone numbers.

#### Speed Calling 2# List Individual

Allows caller to call preprogrammed numbers by dialing a 2 digit code.

#### Station Camp-On Service - per main station+

Allows the electronic set user to call a busy line and place the caller on hold/camp against the busy party's line until they are free.

#### Station Message Detail Recording (SMDR)

SMDR provides detail on calls by station number that originate from a Centrex type common block. The station message detail may include: the calling station number, the called number, date, time of day, duration of call and carrier selected.

#### Three-Way Calling

Enables the customer to add a third party to an existing conversation without operator assistance. To add the third party, the customer flashes the switch hook once to place the second party on hold, receives a stutter dial tone, calls the third party's number, then flashes the switch to establish the three way connection.

#### Time and Date Display

The switch provides time and date to the station set. The Time and Date feature is available to attendant and station set users. To use this feature, the user presses the Time/Date button.

#### Time of Day Control for ARS

Provides a method for automatically changing the routing parameter according to a prespecified schedule.

#### Time of Day NCOS Update

Allows normal NCOS (Network Class of Service) values to be mapped on to new values that are based on time of day, day of the week, or day of the year.

#### Time of Day Routing - per line

Enables efficient use of facilities by allowing or denying route choices based on time of day.

#### **Toll Restriction Service**

Restricts port from making toll calls

#### **Trunk Answer Any Station**

(See Night Service Arrangement.)

#### **Trunk Verification from Designated Station**

Allows end users audible transmission level testing from selected trunks within a trunk group, limit of ten stations per system.

#### UCD in hunt group - per line

This is a type of hunting which provides for an even distribution of incoming calls among the available members of a hunt group. UCD hunt group includes Queuing, Music on Queue, and Delayed Announcement.

#### **UCD** with Music After Delay

For Centrex, caller hears music after delay announcement.

#### C. STUDY METHODOLOGY

The costs identified are direct costs which occur as a result of providing features.

These include digital central office switch costs in the subscriber's serving wire center.

Central office switching feature costs are calculated by first determining incremental switching feature investments. These feature investments are obtained through the use of the Qwest Switching Cost Model (SCM) for digital stored program controlled central offices A detailed description of this program is provided in the model descriptions.

The switch investments include processor time, memory, and hardware appropriate for each feature. The investments are converted to monthly costs using monthly cost factors, e.g. land and building, which are applied through the use of the Windows Personal Cost Calculator (WINPC3) cost program.

The WINPC3 model develops Long Run Incremental Costs (LRIC) from investments and/or expenses associated with Qwest products and services. A detailed description of this program is provided in the workpapers.

The investments are converted to monthly costs using monthly cost factors, which are represented as investment based and expense based. Examples of investment based factors include Capital costs and Ad Valorem taxes. Capital costs consist of depreciation, income tax, and cost of money. Examples of expense based factors would include administration and business fee taxes.

The monthly cost for each feature is multiplied by the state demand to get the total state cost for each feature. All features costs are then summed to get the total feature cost in the state. This is then divided by the total number of lines in the state to get a feature cost per line port.

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS

Total Element Long Run Incremental Cost (TELRIC) studies are performed by Qwest to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The forward-looking Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the *long run* costs associated with providing a network element--reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

#### D. DESCRIPTION OF LONG RUN INCREMENTAL COSTS (Cont.)

Qwest TELRIC studies identify recurring and nonrecurring costs. Recurring costs are the ongoing costs associated with providing a network element. Recurring costs are generally investment-related and include both capital costs and operating expenses. These costs are often presented as a cost per month or per unit of usage (e.g., minute of use) and are incurred throughout the time period the network element is provided to a customer. *Nonrecurring costs* are the one-time costs that are incurred at the time a customer establishes, disconnects or changes service. These costs normally result from a customer order, and are predominantly labor-related.

The Qwest recurring and nonrecurring TELRIC studies identify costs on a unitized basis and disaggregates the cost results into the following components:

Total Direct Costs are the forward-looking costs that are caused by offering the network element in the long run. These costs would not be incurred if the network elements were not offered. Total Direct Costs reflect the per-unit forward looking cost associated with providing the entire network element in the most efficient manner, holding constant the production of all other network elements produced by the firm. For recurring element costs Total Direct Costs include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required to provision a network, along with other network element-specific costs such as product management expense. For nonrecurring costs, Total Direct Costs include the labor-related expenses associated with the provision of a network element, along with other network element-specific costs such as product management expense.

**Directly Attributed Costs** include network administration and engineering costs and various administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of Total Direct Costs and Directly Attributable Costs. This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- 1. All network investments are forward looking.
- 2. Switch investments are weighted between three switch types.
- 3. All costs displayed are represented on a per line basis.
- 4. Feature usage on unbundled ports will be similar to what is presently on Qwest's retail ports.

Study Name	SGAT FEATURES	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Study Requester	Doug Gollehon	
Type of Study	TELRIC	
Study ID	6418	
Cost Factor Group	Interconnection	
		La Carte
Study Applications		
Study Applications		
Completion Date	May 07, 2002	
Cost Analyst	Dave Bacheldor	
Study Review	Reviewer	Date
	Jim DiManna	May 07, 2002
Models Used	Model	Version
	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02VI
	SCM	02/05/02 (Vintage 10.02)
Cost Factors Used	Factor	Effective Date
Cost Factors Cscu	Capital Recovery	04/02
	Maintenance	02/02
	Ad Valorem	02/02
	COE Land & Bldg	02/02
	Marketing Factors	04/02
	Other Direct Expenses	04/02
	Common	04/02
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		<del></del>
	Cost Of Money	10.14%
Inflation	Cost Of Money	10.1470
Major Cost Drivers	4-14-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	

Source	Tota	il Feature Costs	Category
Cost from DALPS 152 report January 2001	\$	93,921.77	CENTRAL OFFICE FEATURES
Cost from DALPS 178 report January 2001	\$	2,310.58	1021 CENTREX 21 FEATURES
Cost from DALPS 174 report January 2001	\$	9,656.67	CENTREX PLUS - FEATURES
Cost from DALPS 144 report January 2001	\$	221.23	CENTRON I
Total Cost for SD	\$	106,110.25	
Total SD Lines from SCM		244,825	
Feature Cost per Port	\$	0.43	

Parameter File: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format Decimal Places: 4

Costs Format: Monthly Group Totals: Yes

ACF Input: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 ACF Outputs"

Investment: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Investments"

Output: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Output"

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
10XXX Direct Dialed Blocking		\$0.0344	\$0.0000	\$0.0005	\$0.0000	\$0.0001	\$0.0007	\$0.0000	\$0.0007
Account Codes - per system		\$352.3789	\$0.0000	\$5.5952	\$0.2772	\$1.5215	\$7.11 <u>67</u>	\$0.5073	\$7.6240
Attendant Access Line - per station line		\$0.2816	\$0.0000	\$0.0045	\$0.0002	\$0.0012	\$0.0057	\$0.0004	\$0.0061
Audible Message Waiting		\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Authorization Codes - per system		\$148.0896	\$0.0000	\$2.3514	\$0.1165	\$0.6394	\$2.9908	\$0.2132	\$3.2040
Auto Caliback		\$0.3808	\$0.0000	\$0.0060	\$0.0003	\$0.0016	\$0.0077	\$0.0005	\$0.0082
Automatic Line		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Automatic Route Selection - Common Equip. per system		\$101.3285	\$0.0000	\$1.6089	\$0.0797	\$0.4375	\$2.0464	\$0.1459	\$2.1923
Blocking of pay per call services		\$1.5496	\$0.0000	\$0.0246	\$0.0012	\$0.0067	\$0.0313	\$0.0022	\$0.0335
Bridging		\$0.0186	\$0.0000	\$0.0003	\$0.0000	\$0.0001	\$0.0004	\$0.0000	\$0.0004
Call Drop		\$0.0043	\$0.0000	\$0.0001	\$0.0000	\$0.0000	\$0.0001	\$0.0000	\$0.0001
Call Exclusion - Automatic		\$0.0001	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Call Exclusion - Manual		\$0.0001	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Call Forward Don't Answer - All Calls		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding Incoming Only		\$0.2881	\$0.0000	\$0.0046	\$0.0002	\$0.0012	\$0.0058	\$0.0004	\$0.0062
Call Forwarding Intra Group Only		\$0.2519	\$0.0000	\$0.0040	\$0.0002	\$0.0011	\$0.0051	\$0.0004	\$0.0055
Call Forwarding Variable Remote		\$1.9060	\$0.0000	\$0.0303	\$0.0015	\$0.0082	\$0.0385	\$0.0027	\$0.0412
Call Forwarding: Busy Line (Expanded)		\$0,8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (External)		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (External) Don't Answer		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Busy Line (Overflow)		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (Overflow) Don't Answer		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Busy Line (Programmable)		\$1.2779	\$0.0000	\$0.0203	\$0.0010	\$0.0055	\$0.0258	\$0.0018	\$0.0276

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	usoc	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Call Forwarding: Busy Line/Don't Answer (Expanded)		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Don't Answer		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding: Don't Answer (Expanded)		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding: Don't Answer (Programmable)		\$2.6067	\$0.0000	\$0.0414	\$0.0021	\$0.0113	\$0.0526	\$0.0038	\$0.0564
Call Forwarding: Variable		\$1.4506	\$0.0000	\$0.0230	\$0.0011	\$0.0063	\$0.0293	\$0.0021	\$0.0314
Call Forwarding: Variable - no call complete option	:	\$1.4506	\$0.0000	\$0.0230	\$0.0011	\$0.0063	\$0.0293	\$0.0021	\$0.0314
Call Hold		\$0.3934	\$0.0000	\$0.0062	\$0.0003	\$0.0017	\$0.0079	\$0.0006	\$0.0085
Call Hold/3-Way/Call Transfer		\$11.9212	\$0.0000	\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Call Park (Basic - Store & Retrieve)		\$0.9003	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0182	\$0.0013	\$0.0195
Call Pickup		\$0.3459	\$0.0000	\$0.0055	\$0.0003	\$0.0015	\$0.0070	\$0.0005	\$0.0075
Call Transfer		\$11.9212	\$0.0000	\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Call Waiting Dial Originating		\$0.5195	\$0.0000	\$0.0082	\$0.0004	\$0.0022	\$0.0105	\$0.0007	\$0.0112
Call Waiting Indication - per timing state		\$18.6671	\$0.0000	\$0.2964	\$0.0147	\$0.0806	\$0.3770	\$0.0269	\$0.4039
Call Waiting Originating		\$1.0305	\$0.0000	\$0.0164	\$0.0008	\$0.0044	\$0.0208	\$0.0015	\$0.0223
Call Waiting Terminating - All Calls		\$2.0649	\$0.0000	\$0.0328	\$0.0016	\$0.0089	\$0.0417	\$0.0030	\$0.0447
Call Waiting Terminating - Incoming Only		\$2.0649	\$0.0000	\$0.0328	\$0.0016	\$0.0089	\$0.0417	\$0.0030	\$0.0447
Call Waiting/ Cancel Call Waiting		\$3.3055	\$0.0000	\$0.0525	\$0.0026	\$0.0143	\$0.0668	\$0.0048	\$0.0715
Centrex Plus DID numbers per number		\$1.9163	\$0.0000	\$0.0304	\$0.0015	\$0.0083	\$0.0387	\$0.0028	\$0.0415
Centrex Plus to Centrex Plus		\$245.5542		\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to IC Carrier		\$245.5542	\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to PBX/Key Blocked		\$245.5542	\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to PBX/Key Non-Blocked		\$245.5542	\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
CFBL - All Calls		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
CFBL - Incoming Only		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
CFDA Incoming Only		\$0.3927	\$0.0000	\$0.0062	\$0.0003	\$0.0017	\$0.0079	\$0.0006	\$0.0085
CLASS - Anonymous Call Rejection		\$12.1234	\$0.0000	\$0.1925	\$0.0095	\$0.0523	\$0.2448	\$0.0175	\$0.2623
CLASS - Call Waiting ID		\$1.4442	\$0.0000	\$0.0229	\$0.0011	\$0.0062	\$0.0292	\$0.0021	\$0.0312
CLASS - Calling Name & Number		\$16.6080	\$0.0000	\$0.2637	\$0.0131	\$0.0717	\$0.3354	\$0.0239	\$0.3593
CLASS - Calling Number Delivery		\$2.2466	\$0.0000	\$0.0357	\$0.0018	\$0.0097	\$0.0454	\$0.0032	\$0.0486
CLASS - Calling Number Delivery - Blocking		\$13.4656	\$0.0000	\$0.2138	\$0.0106	\$0.0581	\$0.2720	\$0.0194	\$0.2913
CLASS - Continuous Redial		\$10.6136		\$0.1685	\$0.0083	\$0.0458	\$0.2144	\$0.0153	\$0.2296
CLASS - Last Call Return		\$3.1802		\$0.0505	\$0.0025	\$0.0137	\$0.0642	\$0.0046	\$0.0688
CLASS - Priority Calling			\$0.0000	\$0.0911	\$0.0045	\$0.0248	\$0.1159	\$0.0083	\$0.1241
CLASS - Selective Call Forwarding		\$5.2063	\$0.0000	\$0.0827	\$0.0041	\$0.0225	\$0.1051	\$0.0075	\$0.1126
CLASS - Selective Call Rejection		\$12.0256	\$0.0000	\$0.1909	\$0.0095	\$0.0519	\$0.2429	\$0.0173	\$0.2602
Custom Ringing First Line (Short/Long/Short)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
Custom Ringing First Line (Short/Short)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
Custom Ringing First Line (Short/Short/Long)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Custom Ringing Second Line (Short/Long/Short)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Second Line (Short/Short)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Second Line (Short/Short/Long)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Third Line (Short/Long/Short)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Custom Ringing Third Line (Short/Short)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Custom Ringing Third Line (Short/Short/Long)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Data Call Protection (DMS 100)		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Dir Sta Sel/Busy Lamp Fld per arrangement		\$83.2220	\$0.0000	\$1.3214	\$0.0655	\$0.3593	\$1.6808	\$0.1198	\$1.8006
Directed Call Pickup with Barge-in		\$4.9722	\$0.0000	\$0.0790	\$0.0039	\$0.0215	\$0.1004	\$0.0072	\$0.1076
Directed Call Pickup without Barge-in		\$1.3662	\$0.0000	\$0.0217	\$0.0011	\$0.0059	\$0.0276	\$0.0020	\$0.0296
Distinctive Ring/Distinctive Call Waiting		\$0.6461	\$0.0000	\$0.0103	\$0.0005	\$0.0028	\$0.0130	\$0.0009	\$0.0140
Distinctive Ringing		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
EBS - Set Interface - per station line		\$65.2987	\$0.0000	\$1.0368	\$0.0514	\$0.2819	\$1.3188	\$0.0940	\$1.4128
Executive Busy Overide		\$0.0680	\$0.0000	\$0.0011	\$0.0001	\$0.0003	\$0.0014	\$0.0001	\$0.0015
Expensive Route Warning Tone- per system		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Facility Restriction Level - per system		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Feature Display		\$0.0100	\$0.0000	\$0.0002	\$0.0000	\$0.0000	\$0.0002	\$0.0000	\$0.0002
Group Intercom		\$3.8130	\$0.0000	\$0.0605	\$0.0030	\$0.0165	\$0.0770	\$0.0055	\$0.0825
Hot Line - per line		\$2.6664	\$0.0000	\$0.0423	\$0.0021	\$0.0115	\$0.0539	\$0.0038	\$0.0577
Hunting: Multiposition Circular Hunting		\$9.4220	\$0.0000	\$0.1496	\$0.0074	\$0.0407	\$0.1903	\$0.0136	\$0.2039
Hunting: Multiposition Hunt Queuing		\$7.3801	\$0.0000	\$0.1172	\$0.0058	\$0.0319	\$0.1491	\$0.0106	\$0.1597
Hunting: Multiposition Series Hunting		\$9.4220	\$0.0000	\$0.1496	\$0.0074	\$0.0407	\$0.1903	\$0.0136	\$0.2039
Hunting: Multiposition with Announcement in Queue		\$145.8437	\$0.0000	\$2.3158	\$0.1147	\$0.6297	\$2.9455	\$0.2100	\$3.1555
Hunting: Multiposition with Music in Queue		\$50.1332	\$0.0000	\$0.7960	\$0.0394	\$0.2165	\$1.0125	\$0.0722	\$1.0847
Incoming Calls Barred		\$0.3407	\$0.0000	\$0.0054	\$0.0003	\$0.0015	\$0.0069	\$0.0005	\$0.0074
International Direct Dial Blocking		\$0.5429	\$0.0000	\$0.0086	\$0.0004	\$0.0023	\$0.0110	\$0.0008	\$0.0117
ISDN Short Hunt		\$23.7663	\$0.0000	\$0.3774	\$0.0187	\$0.1026	\$0.4800	\$0.0342	\$0.5142
Line Side Answer Supervision		\$0.9825	\$0.0000	\$0.0156	\$0.0008	\$0.0042	\$0.0198	\$0.0014	\$0.0213
Loudspeaker Paging - per trunk group		\$1,054.4513	\$0.0000	\$16.7429	\$0.8294	\$4.5529	\$21.2959	\$1.5181	\$22.8140
Make Busy Arrangements - per group		\$13.5996	\$0.0000	\$0.2159	\$0.0107	\$0.0587	\$0.2747	\$0.0196	\$0.2942
Make Busy Arrangements - per line	ji .	\$3.3999	\$0.0000	\$0.0540	\$0.0027	\$0.0147	\$0.0687	\$0.0049	\$0.0736
Message Center - per main station line		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Message Waiting Indication Audible/Visual		\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Message Waiting Visual		\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Music On Hold - per system		\$1,086.9316	\$0.0000	\$17.2587	\$0.8549	\$4.6932	\$21.9519	\$1.5648	\$23.5167
Network Speed Call		\$0.0145	\$0.0000	\$0.0002	\$0.0000	\$0.0001	\$0.0003	\$0.0000	\$0.0003
Night Service Arrangement		\$0.0772	\$0.0000	\$0.0012	\$0.0001	\$0.0003	\$0.0016	\$0.0001	\$0.0017
Outgoing Calls Barred		\$0.0256		\$0.0004	\$0.0000	\$0.0001	\$0.0005	\$0.0000	\$0.0006

State: South Dakota	anger valviere		N/45 (4V) S	Invst.	ed of February	Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Outgoing Trunk Queuing		\$2.8187	\$0.0000	\$0.0448	\$0.0022	\$0.0122	\$0.0569	\$0.0041	\$0.0610
Privacy Release		\$0.1499	\$0.0000	\$0.0024	\$0.0001	\$0.0006	\$0.0030	\$0.0002	\$0.0032
Query Time		\$8.3070	\$0.0000	\$0.1319	\$0.0065	\$0.0359	\$0.1678	\$0.0120	\$0.1797
Speed Calling 1 Digit Controller		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 1 Digit User		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 1# List Individual		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2 Digit Controller		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2 Digit User		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2# List Individual		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 30 Number		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 8 Number		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Station Camp-On Service - per main station		\$387.9348	\$0.0000	\$6.1598	\$0.3051	\$1.6750	\$7.8348	\$0.5585	\$8.3933
Station Message Detail Recording (SMDR)		\$1.5847	\$0.0524	\$0.0811	\$0.0040	\$0.0221	\$0.1032	\$0.0074	\$0.1106
Three Way Calling		\$11.9212	\$0.0000	\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Time and Date Display		\$5.1972	\$0.0000	\$0.0825	\$0.0041	\$0.0224	\$0.1050	\$0.0075	\$0.1124
Time of Day Control for ARS - per system		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Time of Day NCOS Update		\$0.2654	\$0.0000	\$0.0042	\$0.0002	\$0.0011	\$0.0054	\$0.0004	\$0.0057
Time of Day Routing - per line		\$2.7645	\$0.0000	\$0.0439	\$0.0022	\$0.0119	\$0.0558	\$0.0040	\$0.0598
Toll Restriction Service		\$0.2436	\$0.0000	\$0.0039	\$0.0002	\$0.0011	\$0.0049	\$0.0004	\$0.0053
Trunk Answer Any Station		\$0.0772	\$0.0000	\$0.0012	\$0.0001	\$0.0003	\$0.0016	\$0.0001	\$0.0017
Trunk Verification from Designated Station		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
UCD in hunt group - per line		\$385.2874	\$0.0000	\$6.1177	\$0.3030	\$1.6636	\$7.7813	\$0.5547	\$8.3360
UCD with Music After Delay		\$254.0599	\$0.0000	\$4.0340	\$0.1998	\$1.0970	\$5.1310	\$0.3658	\$5.4968

#### Total Promet Costs

					10				
	5/7/0205 AM								
Row	South Dakota	Source or Calculation	Factor Value	10XXX Direct Dialed Blocking	Account Codes - per system	Attendant Access Line - per station line	Audible Message Waiting	Authorization Codes - per system	Auto Caliback
			Α	В	C	D	NAME DE LA COMP	F	G
	Investment	si r"Total" cD	Je 1 Harl Nibelallifeendar	0.0344	352.3789	0.2816	2.5429	148.0896	0.3808
	Investment Based Costs	si r"Total" cK		0.0005	5.4145	0.0043	0.0391	2.2755	0.0059
	•								
!	5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
(	Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	3 Total Investment Based + Billing & Collection			0.0005	5.4145	0.0043	0.0391	2,2755	0.0059
!	9								0.0000
10	) Marketing & Business Fees								
	Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.1081	0.0001	0.0008	0.0454	0.0001
1:	2 Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0643	0.0001	0.0005	0.0270	0.0001
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	1 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0083	0.0000	0.0001	0.0035	0.0000
	Marketing & Business Fees Total	Sum r11:r14		0.0000	0.1807	0.0001	0.0013	0.0759	0.0002
10	_							5.5.55	0.000
1	Sub-Total Invst., B & C, Mktg	r8 + r15		0.0005	5.5952	0.0045	0.0404	2.3514	0.0060
10	3								
19	Other Direct Expenses								
20	Network Operations	cA*(r17-r6)	0.034832	0.0000	0.1949	0.0002	0.0014	0.0819	0.0002
2	Network Support Assets	cA*(r17-r6)	0.014703	0.0000	0.0823	0.0001	0.0006	0.0346	0.0001
2	2 General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.4965	0.0004	0.0036	0.2087	0.0005
	3 General Purpose Computers	cA*(r17-r6)	0.043342	0.0000	0.2425	0.0002	0.0018	0.1019	0.0003
2	4 Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0212	0.0000	0.0002	0.0089	0.0000
2	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0000	0.0411	0.0000	0.0003	0.0173	0.0000
	6 Human Resources Expense	cA*(r17-r6)	0.008294	0.0000	0.0464	0.0000	0.0003	0.0195	0.0001
2	7 Information Management Expense	cA*(r17-r6)	0.070887	0.0000	0.3966	0.0003	0.0029	0.1667	0.0004
	3 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total Other Direct Expenses	Sum r20:r28		0.0001	1.5215	0.0012	0.0110	0.6394	0.0016
3	•								3,00,0
3	1 TELRIC	r17 + r29		0.0007	7.1167	0.0057	0.0514	2.9908	0.0077
3	2								
3	3 Common								
3	4 Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0802	0.0001	0.0006	0.0337	0.0001
3	5 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0037	0.0000	0.0000	0.0016	0.0000
3	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.2693	0.0002	0.0019	0.1132	0.0003
3	7 Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0336	0.0000	0.0002	0.0141	0.0000
3	8 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0132	0.0000	0.0001	0.0056	0.0000
3	9 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	O Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0000	0.1072	0.0001	0.0008	0.0451	0.0001
4	1 Common Costs	Sum r34:r40		0.0000	0.5073	0.0004	0.0037	0.2132	0.0005
4									
4	3 TELRIC + Common Costs	r31 + r41		0.0007	7.6240	0.0061	0.0550	3.2040	0.0082

Total	P	ro int	C	nete
I Ulai		10		מוכנ

5/7/0205 AM		med korken bij		Doğumlar ilk seçile silçer				
Row South Dakota	Source or Calculation	Factor Value	Automatic Line	Automatic Route Selection - Common Equip. per system	Blocking of pay per call services	Bridging	Call Drop	Call Exclusion - Automatic
		Α	Н	1	J	K	L	M
1 Investment	sl r"Total" cD	11 1201 1301 110 170 13	0.0000	101.3285	1.5496	0.0186	0.0043	0.0001
2 3 Investment Based Costs	si r"Total" cK		0.0000	1.5570	0.0238	0.0003	0,0001	0.0000
4	SI F TOLAI CK		0.0000	1.5570	0.0238	0.0003	0.0001	0.0000
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.0000	1.5570	0.0238	0.0003	0.0001	0.0000
9			0.0000	1.5570	0.0200	0.0000	0.0001	0.0000
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.0311	0.0005	0.0000	0.0000	0.0000
12 Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0185	0.0003	0.0000	0.0000	0.0000
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0024	0.0000	0.0000	0.0000	0.0000
15 Marketing & Business Fees Total	Sum r11:r14		0.0000	0.0519	0.0008	0.0000	0.0000	0.0000
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		. 0.0000	1.6089	0.0246	0.0003	0.0001	0.0000
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0000	0.0560	0.0009	0.0000	0.0000	0.0000
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0000	0.0237	0.0004	0.0000	0.0000	0.0000
22 General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.1428	0.0022	0.0000	0.0000	0.0000
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0000	0.0697	0.0011	0.0000	0.0000	0.0000
24 Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0061	0.0001	0.0000	0.0000	0.0000
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0000	0.0118	0.0002	0.0000	0.0000	0.0000
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0000	0.0133	0.0002	0.0000	0.0000	0.0000
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0000	0.1141	0.0017	0.0000	0.0000	0.0000
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.0000	0.4375	0.0067	0.0001	0.0000	0.0000
30								
31 TELRIC	r17 + r29		0.0000	2.0464	0.0313	0.0004	0.0001	0.0000
32								
33 Common	******							
34 Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0231	0.0004	0.0000	0.0000	0.0000
35 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.0775	0.0012	0.0000	0.0000	0.0000
37 Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0097	0.0001	0.0000	0.0000	0.0000
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0038	0.0001	0.0000	0.0000	0.0000
39 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40 Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0000	0.0308	0.0005	0.0000	0.0000	0.0000
41 Common Costs	Sum r34:r40		0.0000	0.1459	0.0022	0.0000	0.0000	0.0000
42 40 751 PIO - O	r31 + r41		0.0000	2.1923	0.0335	0.0004	0.0004	0.0000
43 TELRIC + Common Costs	131 + 141	<u> </u>	0.0000	2.1923	0.0335	0.0004	0.0001	0.0000

#### Total Pro t Costs

			<del></del>	1			I	
5/7/0205 AM								
				Call Forward				Call Forwarding:
	Source or	Factor	Call Exclusion -	Don't Answer - All	Call Forwarding	Call Forwarding	Call Forwarding	Busy Line
Row South Dakota	Calculation	Value	Manual	Calls	Incoming Only	Intra Group Only	Variable Remote	(Expanded)
		Α	N	0	P	Q	В	s
1 Investment	sl r"Total" cD	4 40% P** NAVE U.	0.0001	2.7928	0.2881	0.2519	1.9060	0.8975
2	01.1.10ta.1.0p	!	0.0001	2.7020	0.2001	0.2010	1.3000	0.0373
3 Investment Based Costs	si r"Total" cK		0.0000	0.0429	0.0044	0.0039	0.0293	0.0138
4								
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.0000	0.0429	0.0044	0.0039	0.0293	0.0138
9								5.5.25
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.0009	0.0001	0.0001	0.0006	0.0003
12 Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0005	0.0001	0.0000	0.0003	0.0002
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
15 Marketing & Business Fees Total	Sum r11:r14		0.0000	0.0014	0.0001	0.0001	0.0010	0.0005
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0000	0.0443	0.0046	0.0040	0.0303	0.0143
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0000	0.0015	0.0002	0.0001	0.0011	0.0005
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0000	0.0007	0.0001	0.0001	0.0004	0.0002
22 General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.0039	0.0004	0.0004	0.0027	0.0013
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0000	0.0019	0.0002	0.0002	0.0013	0.0006
24 Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0002	0.0000	0.0000	0.0001	0.0001
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0000	0.0003	0.0000	0.0000	0.0002	0.0001
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0000	0.0004	0.0000	0.0000	0.0003	0.0001
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0000	0.0031	0.0003	0.0003	0.0021	0.0010
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.0000	0.0121	0.0012	0.0011	0.0082	0.0039
30								
31 TELRIC	r17 + r29		0.0000	0.0564	0.0058	0.0051	0.0385	0.0181
32								
33 Common	- A + ( - O + C \	0.01100=	0.0000		A A ·			
34 Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0006	0.0001	0.0001	0.0004	0.0002
35 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.0021	0.0002	0.0002	0.0015	0.0007
37 Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0003	0.0000	0.0000	0.0002	0.0001
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0001	0.0000	0.0000	0.0001	0.0000
39 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40 Other General and Admin Expense 41 Common Costs	cA*(r31-r6) <b>Sum r34:r40</b>	0.015064	0.0000	0.0008	0.0001	0.0001	0.0006	0.0003
41 Common Costs 42	Juii 134:140		0.0000	0.0040	0.0004	0.0004	0.0027	0.0013
42 43 TELRIC + Common Costs	r31 + r41	a a section	0.0000	0.0604	0.0062	0.0055	0.0412	0.0194
40 / ELING + COMMON COSIS			0.0000	0.0004	0.0062	0.0055	0.0412	0.0194

#### Total Product Costs

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5/7/02J5 AM			a nagarin da					
				Call Forwarding:		Call Forwarding:		Call Forwarding:
			Call Forwarding:	Busy Line	Call Forwarding:	Busy Line	Call Forwarding:	Busy Line/Don't
	Source or	Factor	Busy Line	(External) Don't	Busy Line	(Overflow) Don't	Busy Line	Answer
Row South Dakota	Calculation	Value	(External)	Answer	(Overflow)	Answer	(Programmable)	(Expanded)
		A	S. C. STORES	i i i i i i i i i i i i i i i i i i i	V	w	x	γ
1 Investment	sl r"Total" cD	a dise da estat socialidad.	0.8975	3.6903	0.8975	3.6903	1.2779	3,6903
2		'			<u> </u>			
3 Investment Based Costs	si r"Total" cK		0.0138	0.0567	0.0138	0.0567	0.0196	0.0567
4								
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.0138	0.0567	0.0138	0.0567	0.0196	0.0567
9								
10 Marketing & Business Fees	*** > =>							
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0003	0.0011	0.0003	0.0011	0.0004	0.0011
12 Sales Expense	cA*(r8-r6)	0.011877	0.0002	0.0007	0.0002	0.0007	0.0002	0.0007
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0001	0.0000	0.0001	0.0000	0.0001
15 Marketing & Business Fees Total 16	Sum r11:r14		0.0005	0.0019	0.0005	0.0019	0.0007	0.0019
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0143	0.0586	0.0143	0.0586	0.0203	0.0586
18			0.0.10	0.000	0.01.0	0.000	0.0200	0.0000
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0005	0.0020	0.0005	0.0020	0.0007	0.0020
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0002	0.0009	0.0002	0.0009	0.0003	0.0009
22 General Support Assets	cA*(r17-r6)	0.088742	0.0013	0.0052	0.0013	0.0052	0.0018	0.0052
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0006	0.0025	0.0006	0.0025	0.0009	0.0025
24 Uncollectible	cA*(r17-r6)	0.003786	0.0001	0.0002	0.0001	0.0002	0.0001	0.0002
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0004	0.0001	0.0004	0.0001	0.0004
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0005	0.0001	0.0005	0.0002	0.0005
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0010	0.0042	0.0010	0.0042	0.0014	0.0042
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.0039	0.0159	0.0039	0.0159	0.0055	0.0159
30	45.00		0.0101	0.0715	00/5/			
31 TELRIC	r17 + r29		0.0181	0.0745	0.0181	0.0745	0.0258	0.0745
32 33 <i>Common</i>								
33 Common 34 Executive Expense	cA*(r31-r6)	0.011267	0.0002	0.0008	0.0002	0.0008	0.0003	0.0008
35 Planning Expense	cA*(r31-r6)	0.011207	0.0002	0.0000	0.0002	0.0008	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.000325	0.0007	0.0028	0.0007	0.0028	0.0000	0.0000
37 Legal Expense	cA*(r31-r6)	0.037546	0.0007	0.0028	0.0007	0.0028	0.0010	0.0028
38 Other Procurement Expense	cA*(r31-r6)	0.004717	0.0000	0.0004	0.0000	0.0004	0.0001	0.0004
39 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
40 Other General and Admin Expense	cA*(r31-r6)	0.005064	0.0003	0.0011	0.0003	0.0011	0.0004	0.0001
41 Common Costs	Sum r34:r40	0.010004	0.0013	0.0053	0.0003	0.0053	0.0004	0.0053
42			3.3010	5.5000	0.5010	0.0000	5.5010	0.0000
43 TELRIC + Common Costs	r31 + r41		0.0194	0.0798	0.0194	0.0798	0.0276	0.0798
							. 0.05.70	0.07.00

#### Total Product Costs

	/` `\								J \
	5/7/02 .J5 AM								
33336					Call Forwarding:	Call Forwarding:		Call Forwarding:	
		Source or	Factor	Call Forwarding:	Don't Answer	Don't Answer	Call Forwarding:	Variable - no call	
Row	South Dakota	Calculation	Value	Don't Answer	(Expanded)	(Programmable)	Variable	complete option	Call Hold
			Α	Z	AA	AB	AC	AD	AE
Tin 190	1 Investment	sl r"Total" cD		2.7928	2.7928	2.6067	1.4506	1.4506	0.3934
	2	SIT TOTAL CD		1.7020	1 2.7020	2.0007	1,-000	1.4000	0.0304
	3 Investment Based Costs	si r"Total" cK		0.0429	0.0429	0.0401	0.0223	0.0223	0.0060
	4								
	5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	8 Total Investment Based + Billing & Collection			0.0429	0.0429	0.0401	0.0223	0.0223	0.0060
	9								
1	0 Marketing & Business Fees								
1	1 Product Management Expense	cA*(r8-r6)	0.019957	0.0009	0.0009	0.0008	0.0004	0.0004	0.0001
1	2 Sales Expense	cA*(r8-r6)	0.011877		0.0005	0.0005	0.0003	0.0003	0.0001
	3 Product Advertising Expense	cA*(r8-r6)	0.000000		0.0000	0.0000	0.0000	0.0000	0.0000
	4 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483		0.0001	0.0001	0.0000	0.0000	0.0000
1	5 Marketing & Business Fees Total	Sum r11:r14		0.0014	0.0014	0.0013	0.0007	0.0007	0.0002
	6								
	7 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0443	0.0443	0.0414	0.0230	0.0230	0.0062
	8								
	9 Other Direct Expenses								
	0 Network Operations	cA*(r17-r6)	0.034832		0.0015	0.0014	0.0008	0.0008	0.0002
	1 Network Support Assets	cA*(r17-r6)	0.014703		0.0007	0.0006	0.0003	0.0003	0.0001
	2 General Support Assets	cA*(r17-r6)	0.088742		0.0039	0.0037	0.0020	0.0020	0.0006
	3 General Purpose Computers	cA*(r17-r6)	0.043342 0.003786		0.0019 0.0002	0.0018 0.0002	0.0010	0.0010	0.0003
	4 Uncollectible 5 Accounting & Finance Expense	cA*(r17-r6) cA*(r17-r6)	0.003786		0.0002	0.0002	0.0001 0.0002	0.0001 0.0002	0.0000 0.0000
	6 Human Resources Expense	cA*(r17-r6)	0.007340		0.0003	0.0003	0.0002	0.0002	0.0000
	7 Information Management Expense	cA*(r17-r6)	0.070887		0.0004	0.0029	0.0002	0.0016	0.0004
	8 Intangibles	cA*(r17-r6)	0.000000		0.0000	0.0029	0.0000	0.0000	0.0004
	9 Total Other Direct Expenses	Sum r20:r28	0.000000	0.0121	0.0121	0.0113	0.0063	0.0063	0.0017
	0	Cum recireo		0.0121	0.0121	0.0110	0.0000	0.0000	0.0017
	1 TELRIC	r17 + r29		0.0564	0.0564	0.0526	0.0293	0.0293	0.0079
	2				3.333.		0.0200	0.0200	0.007.0
	3 Common								
	4 Executive Expense	cA*(r31-r6)	0.011267	0.0006	0.0006	0.0006	0.0003	0.0003	0.0001
	5 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	6 External Relations Expense	cA <u>*(</u> r31-r6)	0.037846	0.0021	0.0021	0.0020	0.0011	0.0011	0.0003
3	7 Legal Expense	cA*(r31-r6)	0.004717	0.0003	0.0003	0.0002	0.0001	0.0001	0.0000
3	8 Other Procurement Expense	cA*(r31-r6)	0.001860		0.0001	0.0001	0.0001	0.0001	0.0000
3	9 Research & Development Expense	cA*(r31-r6)	0.000006		0.0000	0.0000	0.0000	0.0000	0.0000
	0 Other General and Admin Expense	cA*(r31-r6)	0.015064		8000.0	0.0008	0.0004	0.0004	0.0001
	1 Common Costs	Sum r34:r40		0.0040	0.0040	0.0038	0.0021	0.0021	0.0006
	.2								
	3 TELRIC + Common Costs	r31 + r41	· · · · · · · · · · · · · · · · · · ·	0.0604	0.0604	0.0564	0.0314	0.0314	0.0085

#### Total Product Costs

5/7/0205 AM								
Row South Dakota	Source or Calculation	Factor Value	Call Hold/3- Way/Call Transfer	Call Park (Basic - Store & Retrieve)	Call Pickup	Call Transfer	Call Waiting Dial Originating	Call Waiting Indication - per timing state
		Α	AF	AG	AH	Al	AJ	AK
1 Investment 2	sl r"Total" cD		11.9212	0.9003	0.3459	11.9212	0.5195	18.6671
3 Investment Based Costs	si r"Total" cK		0.1832	0.0138	0.0053	0.1832	0.0080	0.2868
4				0.0.00			0.000	0.2000
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.1832	0.0138	0.0053	0.1832	0.0080	0.2868
9			01.00	0.0100	0.0000	0.1002	0.0000	0.2000
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0037	0.0003	0.0001	0.0037	0.0002	0.0057
12 Sales Expense	cA*(r8-r6)	0.011877	0.0022	0.0002	0.0001	0.0022	0.0001	0.0034
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0003	0.0000	0.0000	0.0003	0.0000	0.0004
15 Marketing & Business Fees Total	Sum r11:r14		0.0061	0.0005	0.0002	0.0061	0.0003	0.0096
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.1893	0.0143	0.0055	0.1893	0.0082	0.2964
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0066	0.0005	0.0002	0.0066	0.0003	0.0103
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0028	0.0002	0.0001	0.0028	0.0001	0.0044
22 General Support Assets	cA*(r17-r6)	0.088742	0.0168	0.0013	0.0005	0.0168	0.0007	0.0263
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0082	0.0006	0.0002	0.0082	0.0004	0.0128
24 Uncollectible	cA*(r17-r6)	0.003786	0.0007	0.0001	0.0000	0.0007	0.0000	0.0011
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0014	0.0001	0.0000	0.0014	0.0001	0.0022
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0016	0.0001	0.0000	0.0016	0.0001	0.0025
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0134	0.0010	0.0004	0.0134	0.0006	0.0210
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.0515	0.0039	0.0015	0.0515	0.0022	0.0806
30								
31 TELRIC	r17 + r29		0.2408	0.0182	0.0070	0.2408	0.0105	0.3770
32								
33 Common								
34 Executive Expense	cA*(r31-r6)	0.011267	0.0027	0.0002	0.0001	0.0027	0.0001	0.0042
35 Planning Expense	cA*(r31-r6)	0.000525		0.0000	0.0000	0.0001	0.0000	0.0002
36 External Relations Expense	cA*(r31-r6)	0.037846		0.0007	0.0003	0.0091	0.0004	0.0143
37 Legal Expense	cA*(r31-r6)	0.004717		0.0001	0.0000	0.0011	0.0000	0.0018
38 Other Procurement Expense	cA*(r31-r6)	0.001860			0.0000	0.0004	0.0000	0.0007
39 Research & Development Expense	cA*(r31-r6)	0.000006			0.0000	0.0000	0.0000	0.0000
40 Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0036		0.0001	0.0036	0.0002	0.0057
41 Common Costs	Sum r34:r40		0.0172	0.0013	0.0005	0.0172	0.0007	0.0269
42								
43 TELRIC + Common Costs	r31 + r41		0.2579	0.0195	0.0075	0.2579	0.0112	0.4039

#### Total Pro t Costs

									$\mathcal{A} = \mathcal{A}$
5/	7/0205 AM								
					Call Waiting	Call Waiting	Call Waiting/	Centrex Plus DID	
		Source or	Factor	Call Waiting	Terminating - All	Terminating -	Cancel Call	numbers per	Centrex Plus to
Row So	outh Dakota	Calculation	Value	Originating	Calls	Incoming Only	Waiting	number	Centrex Plus
11011			A	AL	AM	AN	AO	AP	
1 les	vestment	si r"Total" cD		1.0305	2.0649	2.0649	3.3055	months are particular in place on the even place of all all differences.	AQ
2	vestillerit	SIT TOTAL CD	L	1.0303	2.0049	2.0049	3,3033	1.9163	245.5542
	vestment Based Costs	si r"Totai" cK		0.0158	0.0317	0.0317	0.0508	0.0294	3.7731
4	resurent basea dosas	or rotar or		0.0100	0.0017	0.00.17	0.0000	0.0204	0.7701
-	rect Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	scellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	lling & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	otal Investment Based + Billing & Collection			0.0158	0.0317	0.0317	0.0508	0.0294	3.7731
9	•								
10 <i>Ma</i>	arketing & Business Fees								
11 Pr	oduct Management Expense	cA*(r8-r6)	0.019957	0.0003	0.0006	0.0006	0.0010	0.0006	0.0753
	ales Expense	cA*(r8-r6)	0.011877	0.0002	0.0004	0.0004	0.0006	0.0003	0.0448
	oduct Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	usiness Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0000	0.0000	0.0001	0.0000	0.0058
	arketing & Business Fees Total	Sum r11:r14		0.0005	0.0011	0.0011	0.0017	0.0010	0.1259
16									
	ub-Total Invst., B & C, Mktg	r8 + r15		0.0164	0.0328	0.0328	0.0525	0.0304	3.8990
18									
	ther Direct Expenses	**/ *** **	0.004000		0.0011	0.0044			
	etwork Operations	cA*(r17-r6)	0.034832	0.0006	0.0011	0.0011	0.0018	0.0011	0.1358
	etwork Support Assets	cA*(r17-r6)	0.014703	0.0002	0.0005	0.0005	0.0008	0.0004	0.0573
	eneral Support Assets	cA*(r17-r6)	0.088742	0.0015 0.0007	0.0029	0.0029	0.0047	0.0027	0.3460
	eneral Purpose Computers ncollectible	cA*(r17-r6) cA*(r17-r6)	0.043342 0.003786	0.0007	0.0014 0.0001	0.0014 0.0001	0.0023	0.0013	0.1690
	ncollectible ccounting & Finance Expense	cA*(r17-r6)	0.003766	0.0001	0.0001	0.0001	0.0002 0.0004	0.0001 0.0002	0.0148 0.0286
	uman Resources Expense	cA*(r17-r6)	0.007340	0.0001	0.0002	0.0002	0.0004	0.0002	0.0323
	formation Management Expense	cA*(r17-r6)	0.000237	0.0012	0.0023	0.0023	0.0037	0.0022	0.2764
	tangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	otal Other Direct Expenses	Sum r20:r28	0.000000	0.0044	0.0089	0.0089	0.0143	0.0083	1.0603
30	otal other briedt Expended	0		0.0011	0.0000	0.0000	0.0110	0.0000	1.0000
	ELRIC	r17 + r29		0.0208	0.0417	0.0417	0.0668	0.0387	4.9593
32									
33 <b>C</b> (	ommon								
34 Ex	xecutive Expense	cA*(r31-r6)	0.011267	0.0002	0.0005	0.0005	0.0008	0.0004	0.0559
35 PI	anning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
36 Ex	xternal Relations Expense	cA*(r31-r6)	0.037846	0.0008	0.0016	0.0016	0.0025	0.0015	0.1877
37 Le	egal Expense	cA*(r31-r6)	0.004717	0.0001	0.0002	0.0002	0.0003	0.0002	0.0234
38 O	ther Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0001	0.0001	0.0001	0.0001	0.0092
	esearch & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ther General and Admin Expense	cA*(r31-r6)	0.015064	0.0003	0.0006	0.0006	0.0010	0.0006	0.0747
	ommon Costs	Sum r34:r40		0.0015	0.0030	0.0030	0.0048	0.0028	0.3535
42		and the							
43 TI	ELRIC + Common Costs	r31 + r41		0.0223	0.0447	0.0447	0.0715	0.0415	5.3128

			<u> </u>					
5/7/02 .05 AM								
Salasa (Aliasa salasa and Salasa Aliasa and Aliasa)					Centrex Plus to			
	Source or	Factor	Centrex Plus to	Centrex Plus to	At a second activation, National Advanced by		OED! !!	OFD 8 1
				Established Section in the Section (Section 1997)	PBX/Key Non-	OFFIL AU O-U-	CFBL - Incoming	CFDA Incoming
Row South Dakota	Calculation	Value	IC Carrier	PBX/Key Blocked	Blocked	CFBL - All Calls	Only	Only
		Α	ÁR	AS	AT	ΑU	AV	AW
1 Investment	sl r"Total" cD		245.5542	245.5542	245.5542	0.8975	0.8975	0.3927
2								
3 Investment Based Costs	si r"Total" cK		3.7731	3.7731	3.7731	0.0138	0.0138	0.0060
4 5 Direct European			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5 Direct Expenses			0.0000	0.0000		0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000 0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL	ntian.		3.7731	3.7731	3,7731	0.0000 0.0138	0.0000 0.0138	0.0000 0.0060
8 Total Investment Based + Billing & Collect 9	zuon -		3.7731	3.7731	3.7731	0.0136	0.0138	0.0000
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0753	0.0753	0.0753	0.0003	0.0003	0.0001
12 Sales Expense	cA*(r8-r6)	0.011877	0.0448	0.0448	0.0448	0.0002	0.0002	0.0001
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000
15 Marketing & Business Fees Total	Sum r11:r14		0.1259	0.1259	0.1259	0.0005	0.0005	0.0002
16					****		5.5555	5.5552
17 Sub-Total Invst., B & C, Mktg	r8 + r15		3.8990	3.8990	3.8990	0.0143	0.0143	0.0062
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.1358	0.1358	0.1358	0.0005	0.0005	0.0002
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0573	0.0573	0.0573	0.0002	0.0002	0.0001
22 General Support Assets	cA*(r17-r6)	0.088742	0.3460	0.3460	0.3460	0.0013	0.0013	0.0006
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.1690	0.1690	0.1690	0.0006	0.0006	0.0003
24 Uncollectible	cA*(r17-r6)	0.003786	0.0148	0.0148	0.0148	0.0001	0.0001	0.0000
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0286	0.0286	0.0286	0.0001	0.0001	0.0000
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0323	0.0323	0.0323	0.0001	0.0001	0.0001
27 Information Management Expense	cA*(r17-r6)	0.070887	0.2764	0.2764	0.2764	0.0010	0.0010	0.0004
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		1.0603	1.0603	1.0603	0.0039	0.0039	0.0017
30								
31 TELRIC	r17 + r29		4.9593	4.9593	4.9593	0.0181	0.0181	0.0079
32								
33 Common	- 4+/040\	0.04465=	0.0==0	0.0==0	0.0	0.0000		
34 Executive Expense	cA*(r31-r6)	0.011267	0.0559	0.0559	0.0559	0.0002	0.0002	0.0001
35 Planning Expense	cA*(r31-r6)	0.000525	0.0026	0.0026	0.0026	0.0000	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.037846	0.1877	0.1877	0.1877	0.0007	0.0007	0.0003
37 Legal Expense	cA*(r31-r6)	0.004717	0.0234	0.0234	0.0234	0.0001	0.0001	0.0000
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0092	0.0092	0.0092	0.0000	0.0000	0.0000
39 Research & Development Expense	cA*(r31-r6)	0.000006 0.015064	0.0000 0.0747	0.0000 0.0747	· 0.0000 0.0747	0.0000	0.0000	0.0000
40 Other General and Admin Expense	cA*(r31-r6) <b>Sum r34:r40</b>	0.015064				0.0003	0.0003	0.0001
41 Common Costs 42	Sum r34:r40		0.3535	0.3535	0.3535	0.0013	0.0013	0.0006
42 43 TELRIC + Common Costs	r31 + r41	That is some and	5.3128	5.3128	5.3128	0.0194	0.0194	0.0085
43 IELNIC + Common Costs	131 + 141	1000000	0.0120	0.0120	5.3120	0.0194	0.0194	0.0085

				1					1
	5/7/0205 AM								74,
100				CLASS -				0.400 0.11.	00
				Activities and the particular	01.400.0-11	OLACD 0-11:	01.400.0-11	CLASS - Calling	CLASS -
		Source or	Factor	Anonymous Call	CLASS - Call	CLASS - Calling	CLASS - Calling	Number Delivery -	Continuous
Row	South Dakota	Calculation	Value	Rejection	Waiting ID	Name & Number	Number Delivery	Blocking	Redial
			Α	AX	AY	AZ	BA	BB	BC
	Investment	sl r"Total" cD		12.1234	1.4442	16.6080	2.2466	13.4656	10.6136
2									
	Investment Based Costs	si r"Total" cK		0.1863	0.0222	0.2552	0.0345	0.2069	0.1631
4				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Direct Expenses			0.0000			0.0000	0.0000	0.0000
	Miscellaneous Expenses				0.0000	0.0000	0.0000	0.0000	0.0000
	Billing & Collection - PL			0.0000	0.0000 0.0222	0.0000	0.0000	0.0000	0.0000
9	Total Investment Based + Billing & Collection			0.1863	0.0222	0.2552	0.0345	0.2069	0.1631
	Marketing & Business Fees								
	Product Management Expense	cA*(r8-r6)	0.019957	0.0037	0.0004	0.0051	0.0007	0.0041	0.0033
	! Sales Expense	cA*(r8-r6)	0.013337	0.0037	0.0004	0.0030	0.0007	0.0041	0.0033
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0004	0.0023	0.0000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0003	0.0000	0.0004	0.0001	0.0003	0.0002
	Marketing & Business Fees Total	Sum r11:r14	0.001.00	0.0062	0.0007	0.0085	0.0012	0.0069	0.0054
16	•			0.0002	0.0001	0.0000	0.0012	0.0000	0.000-1
	Sub-Total Invst., B & C, Mktg	r8 + r15		0.1925	0.0229	0.2637	0.0357	0.2138	0.1685
18									
	Other Direct Expenses								
20	Network Operations	cA*(r17-r6)	0.034832	0.0067	0.0008	0.0092	0.0012	0.0074	0.0059
	Network Support Assets	cA*(r17-r6)	0.014703	0.0028	0.0003	0.0039	0.0005	0.0031	0.0025
	General Support Assets	cA*(r17-r6)	0.088742	0.0171	0.0020	0.0234	0.0032	0.0190	0.0150
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0083	0.0010	0.0114	0.0015	0.0093	0.0073
24	Uncollectible	cA*(r17-r6)	0.003786	0.0007	0.0001	0.0010	0.0001	0.0008	0.0006
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0014	0.0002	0.0019	0.0003	0.0016	0.0012
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0016	0.0002	0.0022	0.0003	0.0018	0.0014
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0136	0.0016	0.0187	0.0025	0.0152	0.0119
28	3 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	Total Other Direct Expenses	Sum r20:r28		0.0523	0.0062	0.0717	0.0097	0.0581	0.0458
30	)								
3	TELRIC	r17 + r29		0.2448	0.0292	0.3354	0.0454	0.2720	0.2144
3									
33	3 Common								
	1 Executive Expense	cA*(r31-r6)	0.011267	0.0028	0.0003	0.0038	0.0005	0.0031	0.0024
3	5 Planning Expense	cA*(r31-r6)	0.000525	0.0001	0.0000	0.0002	0.0000	0.0001	0.0001
	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0093	0.0011	0.0127	0.0017	0.0103	0.0081
	7 Legal Expense	cA*(r31-r6)	0.004717	0.0012	0.0001	0.0016	0.0002	0.0013	0.0010
	3 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0005	0.0001	0.0006	0.0001	0.0005	0.0004
	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0037	0.0004	0.0051	0.0007	0.0041	0.0032
	1 Common Costs	Sum r34:r40		0.0175	0.0021	0.0239	0.0032	0.0194	0.0153
4.									
4	3 TELRIC + Common Costs	r31 + r41		0.2623	0.0312	0.3593	0.0486	0.2913	0.2296

	Total Pro t Costs	
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	5/7/02 05 AM								
Row	South Dakota	Source or Calculation	Factor Value	CLASS - Last Call Return	CLASS - Priority Calling	CLASS - Selective Call Forwarding	CLASS - Selective Call Rejection	Custom Ringing First Line (Short/Long/Short	Custom Ringing First Line (Short/Short)
TIOW	South Parota	Oalduration	Total control of the				The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
3.45			Α	BD	BE	BF	BG	BH	Bi
	1 Investment	si r"Totai" cD		3.1802	5.7379	5.2063	12.0256	0.6322	0.6322
	2	-1 -# <b>T</b> -1-1# -16		0.0400	0.0000		0.1040		
	3 Investment Based Costs	si r"Total" cK		0.0489	0.0882	0.0800	0.1848	0.0097	0.0097
	4 5. Dispat Everynous			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	6 Miscellaneous Expenses			0.0000 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	7 Billing & Collection - PL				0.0000	0.0000	0.0000	0.0000	0.0000
	8 Total Investment Based + Billing & Collection			0.0489	0.0882	0.0800	0.1848	0.0097	0.0097
	0 <i>Marketing &amp; Business Fees</i> 1 Product Management Expense	cA*(r8-r6)	0.019957	0.0010	0.0018	0.0016	0.0037	0.0002	0.0002
	2 Sales Expense	cA*(r8-r6)	0.019957	0.0010	0.0010	0.0010	0.0037	0.0002	0.0002
	3 Product Advertising Expense	cA*(r8-r6)	0.000000		0.0000	0.0000	0.0022	0.0001	0.0001
	4 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.000483		0.0001	0.0001	0.0003	0.0000	0.0000
	5 Marketing & Business Fees Total	Sum r11:r14	0.001700	0.0016	0.0029	0.0027	0.0062	0.0003	0.0003
1		Julii 111.114		0.0010	0.0029	0.0027	0.0002	0.0003	0.0003
	7 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0505	0.0911	0.0827	0.1909	0.0100	0.0100
1		10 + 110		0.0000	0.0011	0.0027	0.1303	0.0100	0.0100
	9 Other Direct Expenses								
	Network Operations	cA*(r17-r6)	0.034832	0.0018	0.0032	0.0029	0.0067	0.0003	0.0003
	1 Network Support Assets	cA*(r17-r6)	0.014703		0.0013	0.0012	0.0028	0.0001	0.0001
	2 General Support Assets	cA*(r17-r6)	0.088742		0.0081	0.0073	0.0169	0.0009	0.0009
	3 General Purpose Computers	cA*(r17-r6)	0.043342		0.0039	0.0036	0.0083	0.0004	0.0004
	4 Uncollectible	cA*(r17-r6)	0.003786	0.0002	0.0003	0.0003	0.0007	0.0000	0.0000
	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346		0.0007	0.0006	0,0014	0.0001	0.0001
	6 Human Resources Expense	cA*(r17-r6)	0.008294	0.0004	0.0008	0.0007	0.0016	0.0001	0.0001
	7 Information Management Expense	cA*(r17-r6)	0.070887		0.0065	0.0059	0.0135	0.0007	0.0007
	8 Intangibles	cA*(r17-r6)	0.000000		0.0000	0.0000	0.0000	0.0000	0.0000
	9 Total Other Direct Expenses	Sum r20:r28		0.0137	0.0248	0.0225	0.0519	0.0027	0.0027
	0								
3	1 TELRIC	r17 + r29		0.0642	0.1159	0.1051	0.2429	0.0128	0.0128
3	2								
3	3 Common								
3	4 Executive Expense	cA*(r31-r6)	0.011267	0.0007	0.0013	0.0012	0.0027	0.0001	0.0001
3	5 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000
3	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0024	0.0044	0.0040	0.0092	0.0005	0.0005
3	7 Legal Expense	cA*(r31-r6)	0.004717	0.0003	0.0005	0.0005	0.0011	0.0001	0.0001
3	8 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0001	0.0002	0.0002	0.0005	0.0000	0.0000
3	9 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	0 Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0010	0.0017	0.0016	0.0037	0.0002	0.0002
4	1 Common Costs	Sum r34:r40		0.0046	0.0083	0.0075	0.0173	0.0009	0.0009
4	2								
4	3 TELRIC + Common Costs	r31 + r41	-jaung din Ke	0.0688	0.1241	0.1126	0.2602	0.0137	0.0137

### Total Pro t Costs

5/7/02 1 ::05 AM		ing the Medical or in the Medical Control	Bergarian A					
5///02 i i.05 AW	Source or	Factor	Custom Ringing First Line (Short/Short/Long	Custom Ringing Second Line (Short/Long/Short	Custom Ringing Second Line	Custom Ringing Second Line (Short/Short/Long	Custom Ringing Third Line (Short/Long/Short	Custom Ringing Third Line
Row South Dakota	Calculation	Value	)	)	(Short/Short)	)	(c)	(Short/Short)
		Α	BJ	BK	BL	BM	BN	ВО
1 Investment	si r"Total" cD		0.6322	0.5930	0.5930	0.5930	0.4742	0.4742
2				·			· · · · · · · · · · · · · · · · · · ·	
3 Investment Based Costs	si r"Total" cK		0.0097	0.0091	0.0091	0.0091	0.0073	0.0073
4	- 11 11 11 11 11 11 11 11 11 11 11 11 11							
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.0097	0.0091	0.0091	0.0091	0.0073	0.0073
9								
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
12 Sales Expense	cA*(r8-r6)	0.011877	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15 Marketing & Business Fees Total	Sum r11:r14		0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
16								
17 Sub-Total Invst., B & C, Mktg 18	r8 + r15		0.0100	0.0094	0.0094	0.0094	0.0075	0.0075
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
21 Network Support Assets	cA*(r17-r6)	0.034032		0.0003	0.0003	0.0003	0.0003	0.0003
22 General Support Assets	cA*(r17-r6)	0.088742		0.0008	0.0008	0.0008	0.0007	0.0007
23 General Purpose Computers	cA*(r17-r6)	0.043342		0.0004	0.0004	0.0004	0.0007	0.0007
24 Uncollectible	cA*(r17-r6)	0.043342		0.0004	0.0004	0.0004	0.0003	0.0003
25 Accounting & Finance Expense	cA*(r17-r6)	0.003766		0.0001	0.0001	0.0001	0.0000	0.0001
· ·	, ,	0.007348		0.0001	0.0001	0.0001		
26 Human Resources Expense 27 Information Management Expense	cA*(r17-r6) cA*(r17-r6)	0.000294		0.0007	0.0007	0.0007	0.0001 0.0005	0.0001 0.0005
28 Intangibles	cA*(r17-r6)	0.000000		0.0007	0.0007	0.0007	0.0003	0.0005
29 Total Other Direct Expenses	Sum r20:r28	0.000000	0.0027	0.0026	0.0026	0.0006	0.0000	0.0020
30	Julii 120.120		0.0027	0.0020	0.0020	0.0020	0.0020	0.0020
31 TELRIC	r17 + r29		0.0128	0.0120	0.0120	0.0120	0.0096	0.0096
32 32	111 + 123		0.0120	0.0120	0.0120	0.0120	0.0030	0.0090
33 Common								
34 Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
35 Planning Expense	cA*(r31-r6)	0.000525		0.0000	0.0000	0.0000	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.037846		0.0005	0.0005	0.0005	0.0004	0.0004
37 Legal Expense	cA*(r31-r6)	0.004717		0.0001	0.0001	0.0003	0.0000	0.0004
38 Other Procurement Expense	cA*(r31-r6)	0.001860		0.0000	0.0000	0.0000	0.0000	0.0000
39 Research & Development Expense	cA*(r31-r6)	0.000006		0.0000	0.0000	0.0000	0.0000	0.0000
40 Other General and Admin Expense	cA*(r31-r6)	0.015064		0.0002	0.0002	0.0002	0.0001	0.0001
41 Common Costs	Sum r34:r40	5.5.0004	0.0009	0.0002	0.0009	0.0002	0.0007	0.0007
42			0.0000	0.0000	0.0000	0.0000	0.0007	0.0007
43 TELRIC + Common Costs	r31 + r41		0.0137	0.0128	0.0128	0.0128	0.0103	0.0103
		<u> </u>	3.310.		0.0120	3,3120	0.0100	0.0100

				7					$\mathcal{N} = \mathcal{N}$
14865	5/7/02 .J5 AM								
Row	South Dakota	Source or Calculation	Factor Value	Custom Ringing Third Line (Short/Short/Long )	Data Call Protection (DMS 100)	Dir Sta Sel/Busy Lamp Fld per arrangement	Directed Call Pickup with Barge-in	Directed Call Pickup without Barge-in	Distinctive Ring/Distinctive Call Waiting
130.00			Α	BP	BQ	BR	BS	BT	BU
1 2	Investment	si r"Total" cD	VACOUS CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONSTITUTION OF A CONST	0.4742	0.0000	83.2220	4.9722	1.3662	0.6461
	Investment Based Costs	si r"Total" cK		0.0073	0.0000	1.2788	0.0764	0.0210	0.0099
4	· · · · · · · · · · · · · · · · · · ·								
	Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6	Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total Investment Based + Billing & Collection			0.0073	0.0000	1.2788	0.0764	0.0210	0.0099
9									
10	Marketing & Business Fees								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0001	0.0000	0.0255	0.0015	0.0004	0.0002
12	Sales Expense	cA*(r8-r6)	0.011877	0.0001	0.0000	0.0152	0.0009	0.0002	0.0001
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483		0.0000	0.0020	0.0001	0.0000	0.0000
15	Marketing & Business Fees Total	Sum r11:r14		0.0002	0.0000	0.0427	0.0025	0.0007	0.0003
16	8								
	Sub-Total Invst., B & C, Mktg	r8 + r15		0.0075	0.0000	1.3214	0.0790	0.0217	0.0103
18									
	Other Direct Expenses								
	Network Operations	cA*(r17-r6)	0.034832		0.0000	0.0460	0.0027	0.0008	0.0004
	Network Support Assets	cA*(r17-r6)	0.014703		0.0000	0.0194	0.0012	0.0003	0.0002
	2 General Support Assets	cA*(r17-r6)	0.088742		0.0000	0.1173	0.0070	0.0019	0.0009
	3 General Purpose Computers	cA*(r17-r6)	0.043342		0.0000	0.0573	0.0034	0.0009	0.0004
	1 Uncollectible	cA*(r17-r6)	0.003786		0.0000	0.0050	0.0003	0.0001	0.0000
	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346		0.0000	0.0097	0.0006	0.0002	0.0001
	6 Human Resources Expense	cA*(r17-r6)	0.008294		0.0000	0.0110	0.0007	0.0002	0.0001
	7 Information Management Expense	cA*(r17-r6)	0.070887		0.0000	0.0937	0.0056	0.0015	0.0007
	3 Intangibles	cA*(r17-r6)	0.000000		0.0000	0.0000	0.0000	0.0000	0.0000
	7 Total Other Direct Expenses	Sum r20:r28		0.0020	0.0000	0.3593	0.0215	0.0059	0.0028
30		-1700		0.0096	0.0000	1.6808	0.1004	0.0276	0.0100
	1 TELRIC	r17 + r29		0.0096	0.0000	1.0808	0.1004	0.0276	0.0130
32	2 3 <b>Commo</b> n								
	4 Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0000	0.0189	0.0011	0.0003	0.0001
	5 Planning Expense	cA*(r31-r6)	0.000525		0.0000	0.0009	0.0011	0.0000	0.0007
	6 External Relations Expense	cA*(r31-r6)	0.037846		0.0000	0.0636	0.0038	0.0010	0.0005
	7 Legal Expense	cA*(r31-r6)	0.004717		0.0000	0.0038	0.0005	0.0010	0.0003
	8 Other Procurement Expense	cA*(r31-r6)	0.004717		0.0000	0.0073	0.0003	0.0001	0.0000
	9 Research & Development Expense	cA*(r31-r6)	0.000006		0.0000	0.0000	0.0002	0.0000	0.0000
	O Other General and Admin Expense	cA*(r31-r6)	0.015064		0.0000	0.0253	0.0015	0.0004	0.0002
	1 Common Costs	Sum r34:r40	0.01000	0.0007	0.0000	0.1198	0.0072	0.0020	0.0002
4:				3.5507	2.2300	5.1.30	0.0072	0.0020	0,000
	3 TELRIC + Common Costs	r31 + r41	er Breeze er in	0.0103	0.0000	1.8006	0.1076	0.0296	0.0140
F 10 10 10 10 10 10 10 10 10 10 10 10 10					3,2300				5.5.70

Source or Factor Distinctive Interface - per Executive Busy Warning South Dakota Calculation Value Ringing Station line Overide per sy Investment SI r"Total" CD 0.6322 65.2987 0.0680	Tone-Restriction Lev stem per system	Feature Display CA
Source or Factor Distinctive Interface - per Executive Busy Warning South Dakota Calculation Value Ringing station line Overide per sy BW BX BY Investment SI r"Total" cD 0.6322 65.2987 0.0680	Tone-stem Persystem  Y BZ  0.0000 0.000	Feature Display CA
Source or   Factor   Distinctive   Interface - per   Executive Busy   Warning	Tone-stem Persystem  Y BZ  0.0000 0.000	Feature Display CA
Source or Factor Distinctive Interface - per Executive Busy Per South Dakota   Calculation   Value   Ringing   Station line   Overide   per sy	Tone-stem Persystem  Y BZ  0.0000 0.000	Feature Display CA
Source or Factor Distinctive Interface - per Executive Busy Parning South Dakota Calculation Value Ringing station line Overide per sy   South Dakota   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"Total" cD   Sir"	Tone-stem Persystem  Y BZ  0.0000 0.000	Feature Display CA
Row         South Dakota         Calculation         Value         Ringing         station line         Overide         per sy           A         BV         BW         BX         BY           Investment         si r"Total" cD         0.6322         65.2987         0.0680	stem         per system           Y         BZ           0.0000         0.000	Feature Display CA
A BV BW BX B1   Investment si r"Total" cD 0.6322 65.2987 0.0680	0.0000 BZ	CA
1 Investment sl r"Total" cD 0.6322 65.2987 0.0680	0.0000 0.000	
		0.0100
	0.0000 0.000	
2	0.0000 0.000	
3 Investment Based Costs sl r"Total" cK 0.0097 1.0034 0.0010		0.0002
4 5 Direct Supremental Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of th	0.0000	
5 Direct Expenses 0.0000 0.0000 0.0000 6 Miscellaneous Expenses 0.0000 0.0000 0.0000	0.0000 0.000	
	0.0000 0.000	
	0.0000 0.000	
8 Total Investment Based + Billing & Collection 0.0097 1.0034 0.0010	0.000 0.000	0.0002
10 Marketing & Business Fees		
11 Product Management Expense cA*(r8-r6) 0.019957 0.0002 0.0200 0.0000	0.000 0,000	0,0000
12 Sales Expense CA*(r8-r6) 0.011877 0.0001 0.0119 0.0000	0.0000 0.000	
13 Product Advertising Expense cA*(r8-r6) 0.00000 0.0000 0.0000 0.0000	0.0000 0.000	
14 Business Fees (Other Operating Taxes) cA*(Sum(r8:r13)-r6) 0.001483 0.0000 0.0015 0.0000	0.0000 0.000	
15 Marketing & Business Fees Total Sum r11:r14 0.0003 0.0335 0.0000	0.0000 0.000	
16	0.000	0.0000
17 Sub-Total Invst., B & C, Mktg r8 + r15 0.0100 1.0368 0.0011	0.000 0.000	0.0002
18		
19 Other Direct Expenses		
20 Network Operations cA*(r17-r6) 0.034832 0.0003 0.0361 0.0000	0.000 0.000	0.0000
21 Network Support Assets cA*(r17-r6) 0.014703 0.0001 0.0152 0.0000	0.000 0.000	0.0000
22 General Support Assets cA*(r17-r6) 0.088742 0.0009 0.0920 0.0001	0.000 0.000	
23 General Purpose Computers cA*(r17-r6) 0.043342 0.0004 0.0449 0.0000	0.000 0.000	0.0000
24 Uncollectible cA*(r17-r6) 0.003786 0.0000 0.0039 0.0000	0.0000 0.000	0.0000
25 Accounting & Finance Expense cA*(r17-r6) 0.007346 0.0001 0.0076 0.0000	0.000 0.000	0.0000
26 Human Resources Expense cA*(r17-r6) 0.008294 0.0001 0.0086 0.0000	0.000 0.000	0.0000
27 Information Management Expense cA*(r17-r6) 0.070887 0.0007 0.0735 0.0001	0.000 0.000	0.0000
28 Intangibles cA*(r17-r6) 0.00000 0.0000 0.0000 0.0000	0.000 0.000	0.0000
29 Total Other Direct Expenses Sum r20:r28 0.0027 0.2819 0.0003	0.000 0.000	0.0000
30		
31 <b>TELRIC r17 + r29</b> 0.0128 1.3188 0.0014	0.000 0.000	0.0002
32		
33 Common		
34 Executive Expense cA*(r31-r6) 0.011267 0.0001 0.0149 0.0000	0.000 0.000	
35 Planning Expense cA*(r31-r6) 0.000525 0.0000 0.0007 0.0000	0.0000 0.000	
36 External Relations Expense cA*(r31-r6) 0.037846 0.0005 0.0499 0.0001	0.000 0.000	
37 Legal Expense cA*(r31-r6) 0.004717 0.0001 0.0062 0.0000	0.000 0.000	
38 Other Procurement Expense cA*(r31-r6) 0.001860 0.0000 0.0025 0.0000	0.000 0.000	
39 Research & Development Expense CA*(r31-r6) 0.00006 0.0000 0.0000 0.0000	0.0000 0.000	
40 Other General and Admin Expense cA*(r31-r6) 0.015064 0.0002 0.0199 0.0000	0.000 0.000	
41 Common Costs Sum r34:r40 0.0009 0.0940 0.0001	0.0000 0.000	0.0000
42		
43 TELRIC + Common Costs r31 + r41 0.0137 1.4128 0.0015	0.000 0.000	0.0002

Total	Pro	٦ŧ	Costs
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	5/7/02 11:05 AM								
Row	South Dakota	Source or Calculation	Factor Value	Group Intercom	Hot Line - per line	Hunting: Multiposition Circular Hunting	Hunting: Multiposition Hunt Queuing	Hunting: Multiposition Series Hunting	Hunting: Multiposition with Announcement in Queue
			Α	СВ	CC	CD	CE	CF	CG
1	Investment	si r"Total" cD		3.8130	2.6664	9.4220	7.3801	9.4220	145.8437
2									
3	Investment Based Costs	si r"Totai" cK		0.0586	0.0410	0.1448	0.1134	0.1448	2.2410
4									
	Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total Investment Based + Billing & Collection			0.0586	0.0410	0.1448	0.1134	0.1448	2.2410
9									
	Marketing & Business Fees								
	Product Management Expense	cA*(r8-r6)	0.019957	0.0012	0.0008	0.0029	0.0023	0.0029	0.0447
	Sales Expense	cA*(r8-r6)	0.011877	0.0007	0.0005	0.0017	0.0013	0.0017	0.0266
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0001	0.0001	0.0002	0.0002	0.0002	0.0034
	Marketing & Business Fees Total	Sum r11:r14		0.0020	0.0014	0.0048	0.0038	0.0048	0.0748
16				2 2005	0.0400	0.1100	6.1.25		
	Sub-Total Invst., B & C, Mktg	r8 + r15		0.0605	0.0423	0.1496	0.1172	0.1496	2.3158
18									
	Other Direct Expenses	- 4+/4=0\	0.004000	0.0004	0.0045	0.0050	0.0044	0.0050	0.000
	Network Operations	cA*(r17-r6)	0.034832	0.0021	0.0015	0.0052	0.0041	0.0052	0.0807
	Network Support Assets	cA*(r17-r6)	0.014703 0.088742	0.0009 0.0054	0.0006 0.0038	0.0022	0.0017 0.0104	0.0022 0.0133	0.0340
	General Support Assets	cA*(r17-r6)				0.0133 0.0065			0.2055
	General Purpose Computers	cA*(r17-r6)	0.043342	0.0026	0.0018		0.0051	0.0065	0.1004
_	Uncollectible	cA*(r17-r6)	0.003786	0.0002	0.0002	0.0006	0.0004	0.0006	0.0088
	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0004	0.0003 0.0004	0.0011	0.0009	0.0011	0.0170
	Human Resources Expense	cA*(r17-r6)	0.008294	0.0005		0.0012	0.0010	0.0012	0.0192
	/ Information Management Expense	cA*(r17-r6)	0.070887	0.0043	0.0030	0.0106	0.0083	0.0106	0.1642
	Intangibles	cA*(r17-r6) <b>Sum r20:r28</b>	0.000000	0.0000 0.0165	0.0000 0.0115	0.0000 0.0407	0.0000 0.0319	0.0000 0.0407	0.0000
30	Total Other Direct Expenses	Suili 120:120		0.0105	0.0115	0.0407	0.0319	0.0407	0.6297
	TELRIC	r17 + r29		0.0770	0.0539	0.1903	0.1491	0.1903	2.9455
32		117 T (20		0.0770	0.0000	0.1000	0.1701	0.1505	2,3400
	Common								
	Executive Expense	cA*(r31-r6)	0.011267	0.0009	0.0006	0.0021	0.0017	0.0021	0.0332
	5 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0001	0.0001	0.0001	0.0015
	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0029	0.0020	0.0072	0.0056	0.0072	
	7 Legal Expense	cA*(r31-r6)	0.004717	0.0004	0.0003	0.0009	0.0007	0.0009	0.0139
	3 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0001	0.0001	0.0004	0.0003	0.0004	0.0055
	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0012	0.0008	0.0029	0.0022	0.0029	0.0444
	Common Costs	Sum r34:r40		0.0055		0.0136	0.0106	0.0136	0.2100
4:									
4:	3 TELRIC + Common Costs	r31 + r41		0.0825	0.0577	0.2039	0.1597	0.2039	3.1555
<u> </u>	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t								· · · · · · · · · · · · · · · · · · ·

## Total Pro t Costs

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5/7/02 1 : .05 AM								
			Hunting:	N. 61/2/18/8/19/4/37	International		zadzej kongorojej	Loudspeaker
	Source or	Factor	Multiposition with	Incoming Calls	Direct Dial		Lina Sida Answar	Paging - per trun
Row South Dakota	Calculation	Value	Music in Queue	Barred	Blocking	ISDN Short Hunt	Supervision	group
now South Dakota	Calculation	A	CH CH	CI	CJ	СК	CL	CM
	sl r"Total" cD	A	50.1332	0.3407	0.5429	23.7663	0.9825	1,054.4513
1 Investment 2	SIT TOTAL CD		30.1332	0.5407	0.0425	23.7003	0.9023	1,054,4513
3 Investment Based Costs	si r"Totai" cK		0.7703	0.0052	0.0083	0.3652	0.0151	16.2023
4								
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.7703	0.0052	0.0083	0.3652	0.0151	16.2023
9								
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957		0.0001	0.0002	0.0073	0.0003	0.3234
12 Sales Expense	cA*(r8-r6)	0.011877		0.0001	0.0001	0.0043	0.0002	0.1924
13 Product Advertising Expense	cA*(r8-r6)	0.000000		0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483		0.0000	0.0000	0.0006	0.0000	0.0248
15 Marketing & Business Fees Total	Sum r11:r14		0.0257	0.0002	0.0003	0.0122	0.0005	0.5406
16 17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.7960	0.0054	0.0086	0.3774	0.0156	16.7429
18	10 + 110		0.7000	0.000+	0.0000	0.0774	0.0130	10.7423
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0277	0.0002	0.0003	0.0131	0.0005	0.5832
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0117	0.0001	0.0001	0.0055	0.0002	0.2462
22 General Support Assets	cA*(r17-r6)	0.088742	0.0706	0.0005	0.0008	0.0335	0.0014	1.4858
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0345	0.0002	0.0004	0.0164	0.0007	0.7257
24 Uncollectible	cA*(r17-r6)	0.003786	0.0030	0.0000	0.0000	0.0014	0.0001	0.0634
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0058	0.0000	0.0001	0.0028	0.0001	0.1230
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0066	0.0000	0.0001	0.0031	0.0001	0.1389
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0564	0.0004	0.0006	0.0268	0.0011	1.1869
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.2165	0.0015	0.0023	0.1026	0.0042	4.5529
30								
31 <b>TELRIC</b>	r17 + r29		1.0125	0.0069	0.0110	0.4800	0.0198	21,2959
32								
33 Common								
34 Executive Expense	cA*(r31-r6)	0.011267		0.0001	0.0001	0.0054	0.0002	0.2400
35 Planning Expense	cA*(r31-r6)	0.00052		0.0000	0.0000	0.0003	0.0000	0.0112
36 External Relations Expense	cA*(r31-r6)	0.037846		0.0003	0.0004	0.0182	0.0008	0.8060
37 Legal Expense	cA*(r31-r6)	0.004717		0.0000	0.0001	0.0023	0.0001	0.1005
38 Other Procurement Expense	cA*(r31-r6)	0.001860		0.0000	0.0000	0.0009	0.0000	0.0396
39 Research & Development Expense	cA*(r31-r6)	0.000000		0.0000	0.0000	0.0000	0.0000	0.000
40 Other General and Admin Expense	cA*(r31-r6)	0.01506		0.0001	0.0002	0.0072	0.0003	0.3208
41 Common Costs	Sum r34:r40		0.0722	0.0005	0.0008	0.0342	0.0014	1.5181
42								
43 TELRIC + Common Costs	r31 + r41	and the second	1.0847	0.0074	0.0117	0.5142	0.0213	22.8140

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5/7/02 .05 AM								
			Make Busy	Make Busy	Message Center -	Message Waiting		
	Source or	Factor	Arrangements -	Arrangements -	per main station	Indication	Message Waiting	Music On Hold -
Row South Dakota	Calculation	Value	per group	per line	line	Audible/Visual	Visual	per system
		Α	CN	co	CP	CQ	CR	CS
1 Investment	sl r"Total" cD	or we want to the con-	13.5996	3.3999	0.0000	2.5429	2.5429	1,086.9316
2								
3 Investment Based Costs	sl r"Total" cK		0.2090	0.0522	0.0000	0.0391	0.0391	16.7014
4								
5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.2090	0.0522	0.0000	0.0391	0.0391	16.7014
9								
10 <i>Marketing &amp; Business Fees</i> 11 Product Management Expense	cA*(r8-r6)	0.019957	0.0042	0.0010	0.0000	0.0008	0.0008	0.3333
12 Sales Expense	cA*(r8-r6)	0.013337	0.0042	0.0006	0.0000	0.0005	0.0005	0.1984
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0003	0.0001	0.0000	0.0001	0.0001	0.0256
15 Marketing & Business Fees Total	Sum r11:r14	0.001700	0.0070	0.0017	0.0000	0.0013	0.0001	0.5572
16	Odm i i i i i i i		0.0070	0.0017	0.0000	0.0010	0.0010	0.5572
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.2159	0.0540	0.0000	0.0404	0.0404	17.2587
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	0.0075	0.0019	0.0000	0.0014	0.0014	0.6012
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0032	0.0008	0.0000	0.0006	0.0006	0.2538
22 General Support Assets	cA*(r17-r6)	0.088742	0.0192	0.0048	0.0000	0.0036	0.0036	1.5316
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0094	0.0023	0.0000	0.0018	0.0018	0.7480
24 Uncollectible	cA*(r17-r6)	0.003786	0.0008	0.0002	0.0000	0.0002	0.0002	0.0653
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0016	0.0004	0.0000	0.0003	0.0003	0.1268
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.0018	0.0004	0.0000	0.0003	0.0003	0.1431
27 Information Management Expense	cA*(r17-r6)	0.070887	0.0153	0.0038	0.0000	0.0029	0.0029	1.2234
28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28		0.0587	0.0147	0.0000	0.0110	0.0110	4.6932
30								
31 <b>TELRIC</b>	r17 + r29		0.2747	0.0687	0.0000	0.0514	0.0514	21.9519
32								
33 Common	~A*/~O4 ~C\	0.044007	0.0004	0.0000	0.0000	0.0000	0.0000	00.770
34 Executive Expense	cA*(r31-r6)	0.011267 0.000525	0.0031 0.0001	0.0008	0.0000 0.0000	0.0006	0.0006	0.2473
35 Planning Expense	cA*(r31-r6)			0.0000		0.0000	0.0000	0.0115
36 External Relations Expense 37 Legal Expense	cA*(r31-r6) cA*(r31-r6)	0.037846 0.004717	0.0104 0.0013	0.0026 0.0003	0.0000 0.0000	0.0019 0.0002	0.0019 0.0002	0.8308 0.1036
•	cA*(r31-r6)	0.004717	0.0013	0.0003	0.0000	0.0002	0.0002	0.0408
38 Other Procurement Expense 39 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0001	0.0000	0.0001	0.0001	0.0408
40 Other General and Admin Expense	cA*(r31-r6)	0.000008	0.0000	0.0000	0.0000	0.0008	0.0008	0.3307
40 Other General and Admin Expense	Sum r34:r40	0.01004	0.0196	0.0049	0.0000	0.0037	0.0008	1.5648
42	Cam IOTH TO		0.0100	3.3043	0.0000	0.0007	0.0037	1.3040
43 TELRIC + Common Costs	r31 + r41	Janga regelese	0.2942	0.0736	0.0000	0.0550	0.0550	23.5167
ALCO A PENTO 1 COMMON COSTS		<u> </u>	VILUTE	0.0700	0.0000	0.0000	0.0000	20.0107

#### Total Promit Costs

3 Investment Based Costs   si r*Total* cK   0.0002   0.0012   0.0004   0.0433   0.0023   0									1
South Dakota	5/7/02 05 AM								
South Dakota									PARTY AND AMERICA
South Dakota   Calculation   Value   Call   Arrangement   Barred   Gueing   Privacy Release   Query Ti									
South Dakota   Calculation   Value   Call   Arrangement   Barred   Gueing   Privacy Release   Query Ti									
South Dakota   Calculation   Value   Call   Arrangement   Barred   Gueing   Privacy Release   Query Ti		Source or	Factor	Network Speed	Night Service	Outgoing Calls	Outgoing Trunk		
Investment   si n'iTotal' cD   0.0145   0.0772   0.0256   2.8187   0.1499   8   2   3   Investment   8 sed Costs   sl n'iTotal' cK   0.0002   0.0012   0.0004   0.0433   0.0023   0   4   4   5   5   5   5   5   5   5   5	Bow South Dakota							Privacy Release	Query Time
1   Investment	now South Bakota								
3   Investment Based Costs		al r"Total" aD		And the following of the All Australia (April 4).	A CONTRACTOR OF STANDARD STANDARDS	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	and the first of the first of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the co	the street of the first of the street of the fact that	8.3070
3 Investment Based Costs   si r*Totei* cK   0.0002   0.0912   0.0004   0.0433   0.0023   0		SIT TOTAL CD		0.0143	0.0772	0.0230	2.0107	0.1433	6.3070
4   5   Direct Expenses   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.		si r"Total" cK		0.0002	0.0012	0.0004	0.0433	0.0023	0.1276
5 Direct Expenses   0.0000				0.0002	0.001.2	0.0001	0.0.00	0.0020	0.1270
6 Miscellaneous Expenses				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Billing & Collection - PL   0.0000	•			0.0000		0.0000			0.0000
B Total Investing & Business Foes  10 Marketing & Business Foes  11 Product Management Expense	•								0.0000
10   Marketing & Business Fees	· · · · · · · · · · · · · · · · · · ·	1							0.1276
11 Product Management Expense									
11   Product Management Expense	10 Marketing & Business Fees								
13 Product Advertising Expense		cA*(r8-r6)	0.019957	0.0000	0.0000	0.0000	0.0009	0.0000	0.0025
A Business Fees (Other Operating Taxes)   CA*(Sum(rB:r13)-r6)   0.001483   0.0000   0.0000   0.0000   0.0001   0.0000   0.0001   0.0000   0.0001   0.0000   0.0001   0.0000   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001   0.0001	12 Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0000	0.0000	0.0005	0.0000	0.0015
15   Marketing & Business Fees Total   Sum r11:r14   0.0000   0.0000   0.0000   0.0014   0.0001   0   0   0   0   0   0   0   0   0	13 Product Advertising Expense	cA*(r8-r6)	0.000000				0.0000	0.0000	0.0000
16   17 Sub-Total Invst., B & C, Mktg	14 Business Fees (Other Operating Taxes)		0.001483				0.0001	0.0000	0.0002
17   Sub-Total Invst., B & C, Mktg		Sum r11:r14		0.0000	0.0000	0.0000	0.0014	0.0001	0.0043
18 19 Other Direct Expenses 20 Network Operations									
19 Other Direct Expenses		r8 + r15		0.0002	0.0012	0.0004	0.0448	0.0024	0.1319
20 Network Operations									
21 Network Support Assets	•	0.4*/r17 rC\	0.034833	0.0000	0.0000	0.0000	0.0016	0.0001	0.0046
22 General Support Assets	•	, ,							0.0046
23 General Purpose Computers		, ,							0.0019
24 Uncollectible cA*(r17-r6) 0.003786 0.0000 0.0000 0.0000 0.0002 0.0000 0.0000 0.0002 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000		•							0.0057
25 Accounting & Finance Expense	•	•							0.0007
26 Human Resources Expense		, ,							0.0003
27 Information Management Expense cA*(r17-r6) 0.070887 0.0000 0.0001 0.0000 0.0002 0.0002 0.0002 0.0002 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0	· · ·	,							0.0011
28 Intangibles	·	• •							0.0094
29 Total Other Direct Expenses	• •	• •							0.0000
31 TELRIC r17 + r29 0.0003 0.0016 0.0005 0.0569 0.0030 0.00332  32  33 Common  34 Executive Expense CA*(r31-r6) 0.011267 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000		•				0.0001			0.0359
32 33 Common 34 Executive Expense									
33 Common  34 Executive Expense	31 TELRIC	r17 + r29		0.0003	0.0016	0.0005	0.0569	0.0030	0.1678
34 Executive Expense       CA*(r31-r6)       0.011267       0.0000       0.0000       0.0000       0.0006       0.0000       0         35 Planning Expense       CA*(r31-r6)       0.000525       0.0000       0.0000       0.0000       0.0000       0.0000       0         36 External Relations Expense       CA*(r31-r6)       0.037846       0.0000       0.0001       0.0000       0.0002       0.0001       0         37 Legal Expense       CA*(r31-r6)       0.004717       0.0000       0.0000       0.0000       0.0003       0.0000       0         38 Other Procurement Expense       CA*(r31-r6)       0.001860       0.0000       0.0000       0.0000       0.0000       0.0001       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000	32								
35 Planning Expense cA*(r31-r6) 0.000525 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0	33 Common								
36 External Relations Expense cA*(r31-r6) 0.037846 0.0000 0.0001 0.0000 0.0022 0.0001 0 37 Legal Expense cA*(r31-r6) 0.004717 0.0000 0.0000 0.0000 0.0003 0.0000 0 38 Other Procurement Expense cA*(r31-r6) 0.001860 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0 39 Research & Development Expense cA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0 40 Other General and Admin Expense cA*(r31-r6) 0.015064 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0 41 Common Costs Sum r34:r40 0.0000 0.0001 0.0000 0.0001 0.0000 0.0002 0	34 Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0000	0.0000	0.0006	0.0000	0.0019
37 Legal Expense cA*(r31-r6) 0.004717 0.0000 0.0000 0.0000 0.0003 0.0000 0 38 Other Procurement Expense cA*(r31-r6) 0.001860 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0 39 Research & Development Expense cA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0 40 Other General and Admin Expense cA*(r31-r6) 0.015064 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0 41 Common Costs Sum r34:r40 0.0000 0.0001 0.0000 0.0001 0.0002 0.0002 0	35 Planning Expense	cA*(r31-r6)							0.0001
38 Other Procurement Expense cA*(r31-r6) 0.001860 0.0000 0.0000 0.0000 0.0001 0.0000 0 39 Research & Development Expense cA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0 40 Other General and Admin Expense cA*(r31-r6) 0.015064 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0 41 Common Costs Sum r34:r40 0.0000 0.0001 0.0000 0.0001 0.0002 0	36 External Relations Expense	, ,							0.0063
39 Research & Development Expense cA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00	<b>9</b> ,	• •							0.0008
40 Other General and Admin Expense       cA*(r31-r6)       0.015064       0.0000       0.0000       0.0000       0.0009       0.0000       0         41 Common Costs       Sum r34:r40       0.0000       0.0001       0.0000       0.0041       0.0002       0									0.0003
41 Common Costs Sum r34:r40 0.0000 0.0001 0.0000 0.0041 0.0002 0		, ,							0.0000
	·	•	0.015064						0.0025
40		Sum r34:r40		0.0000	0.0001	0.0000	0.0041	0.0002	0.0120
	42	-0444	TV1500000 8 00 0 0 0					0.0055	
43 TELRIC + Common Costs r31 + r41 0.0003 0.0017 0.0006 0.0610 0.0032 0	43 TELRIC + Common Costs	r31 + r41		0.0003	0.0017	0.0006	0.0610	0.0032	0.1797

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5/7/0205 AM								
	Source or	Factor	Speed Calling 1	Speed Calling 1	Speed Calling 1#	Speed Calling 2	Speed Calling 2	Speed Calling 2#
Row South Dakota	Calculation	Value	Digit Controller	Digit User	List Individual	Digit Controller	Digit User	List Individual
		Α	CZ	DA	DB	DC	DD	DE
1 Investment	sl r"Total" cD	* .	0.4754	0.4754	0.4754	0.4754	0.4754	0.4754
2			0.0000		0.0070			
3 Investment Based Costs	si r"Totai" cK		0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
4 5 Direct Evenences			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5 Direct Expenses 6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8 Total Investment Based + Billing & Collection			0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
9			2.3070	0.5070	3.5076	3.3070	0,0070	0.0070
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
12 Sales Expense	cA*(r8-r6)	0.011877	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15 Marketing & Business Fees Total	Sum r11:r14		0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0075	0.0075	0.0075	0.0075	0.0075	0.0075
18								
19 Other Direct Expenses	****	0.004000						
20 Network Operations	cA*(r17-r6)	0.034832	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
21 Network Support Assets	cA*(r17-r6)	0.014703	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
22 General Support Assets	cA*(r17-r6)	0.088742	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
23 General Purpose Computers	cA*(r17-r6)	0.043342	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
24 Uncollectible	cA*(r17-r6)	0.003786 0.007346	0.0000 0.0001	0.0000 0.0001	0.0000 0.0001	0.000.0	0.0000	0.0000
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0001		0.0001	0.0001	0.0001
26 Human Resources Expense	cA*(r17-r6) cA*(r17-r6)	0.000294	0.0001	0.0001	0.0001 0.0005	0.0001 0.0005	0.0001 0.0005	0.0001 0.0005
27 Information Management Expense 28 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
29 Total Other Direct Expenses	Sum r20:r28	0.000000	0.0021	0.0021	0.0021	0.0001	0.0000	0.0021
30	00111120.120		0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
31 TELRIC	r17 + r29		0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
32							5.5555	
33 Common								
34 Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
35 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36 External Relations Expense	cA*(r31-r6)	0.037846	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
37 Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39 Research & Development Expense	cA*(r31-r6)	0.000006		0.0000	0.0000	0.0000	0.0000	0.0000
40 Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
41 Common Costs	Sum r34:r40		0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
42								
43 TELRIC + Common Costs	r31 + r41	115 (115)	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103

5/7/02 1 .: 05 AM			,		Station Camp-On	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Row South Dakota	Source or Calculation	Factor Value	Speed Calling 30 Number	Speed Calling 8 Number	Service - per main station	Detail Recording (SMDR)	Three Way Calling	Time and Date Display
	si r"Total" cD	A	<b>DF</b> 0.4754	<b>DG</b> 0.4754	DH 387.9348	DI 1.5847	<b>DJ</b> 11.9212	<b>DK</b> 5.1972
2 3 Investment Based Costs	si r"Total" cK		0.0073	0.0073	5.9609	0.0261	0.1832	0.0799
4 5 Direct Expenses 6 Miscellaneous Expenses 7 Billing & Collection - PL 8 Total Investment Based + Billing & Collection	-		0.0000 0.0000 0.0000 0.0073	0.0000 0.0000 0.0000 0.0073	0.0000 0.0000 0.0000 5.9609	0.0524 0.0000 0.0000 0.0785	0.0000 0.0000 0.0000 0.1832	0.0000 0.0000 0.0000 0.0000
10 Marketing & Business Fees 11 Product Management Expense 12 Sales Expense 13 Product Advertising Expense 14 Business Fees (Other Operating Taxes) 15 Marketing & Business Fees Total	cA*(rB-r6) cA*(rB-r6) cA*(rB-r6) cA*(Sum(rB:r13)-r6) <b>Sum r11:r14</b>	0.019957 0.011877 0.000000 0.001483	0.0001 0.0001 0.0000 0.0000 0.0000	0.0001 0.0001 0.0000 0.0000 0.0000	0.1190 0.0708 0.0000 0.0001 0.1989	0.0016 0.0009 0.0000 0.0001	0.0037 0.0022 0.0000 0.0003	0.0016 0.0009 0.0000 0.0001
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.0075	0.0075	6.1598	0.0811	0.1893	0.0825
18 19 Other Direct Expenses 20 Network Operations 21 Network Support Assets 22 General Support Assets	cA*(r17-r6) cA*(r17-r6) cA*(r17-r6)	0.034832 0.014703 0.088742	0.0003 0.0001 0.0007	0.0003 0.0001 0.0007	0.2146 0.0906 0.5466	0.0028 0.0012 0.0072	0.0066 0.0028 0.0168	0.0029 0.0012 0.0073
23 General Purpose Computers 24 Uncollectible	cA*(r17-r6) cA*(r17-r6)	0.043342 0.003786		0.0003	0.2670	0.0035	0.0082	0.0036
25 Accounting & Finance Expense 26 Human Resources Expense 27 Information Management Expense 28 Intangibles	cA*(r17-r6) cA*(r17-r6) cA*(r17-r6) cA*(r17-r6)	0.007346 0.008294 0.070887 0.000000	0.000.0 0.000.0 0.000.0	0.000.0 0.000.0 0.000.0	0.0452 0.0511 0.4366 0.0000	0.0006 0.0007 0.0008 0.0000	0.0014 0.0016 0.0134 0.0000	0.0006 0.0007 0.0058 0.0000
31 TELRIC	r17 + r29		0.0096	0.0096	7.8348	0.1032	0.2408	0.1050
32 33 <i>Common</i> 34 Executive Expense	cA*(r31-r6)	0.011267		0.0001	0.0883		0.0027	0.0012
35 Planning Expense 36 External Belations Expense	cA*(r31-r6) cA*(r31-r6)	0.000525	0.0000	0.0000	0.0041	0.0001	0.0001	0.0001
37 Legal Expense	cA*(r31-r6)	0.004717		0.0000	0.0370	0.0005	0.0011	0.0005
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0000	0.0146	0.0002	0.0004	0.0002
39 neseator a Development Expense 40 Other General and Admin Expense 41 <i>Common Costs</i>	CA*(r31-r6) CA*(r31-r6) Sum r34:r40	0.015064		0.0001	0.1180 0.1180 0.5585		0.0036 0.0036 0.0172	0.0016 0.0075
42 43 TELRIC + Common Costs	r31+r41		0.0103	0.0103	8.3933	0.1106	0.2579	0.1124

South Dakota					7					1 / 1 ×
Source or   Source or   Source or   Source or   Source or   Calculation   Value   Persystem   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS Update   NCOS		5/7/0205 AM								
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	Row	South Dakota	Calculation	Value	per system	NCOS Update		Service	<ul> <li>20 C. C. C. C. C. C. C. C. C. C. C. C. C.</li></ul>	Transport for the North American Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con
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3   Investment Based Costs	1.58.788	1 Investment	st r"Total" cD		The Coff Destriction of the Alexandria		CARA FEED FOR TO DESIGN DOMESTICAL	a di katikin toba i akasiki da ambas di	A STATE OF THE PART OF THE PROPERTY OF	<ul> <li>A. A. Sharan, Street, Lancette Rev. 4-40-0-054-05-05</li> </ul>
S Investment Based Costs			or rotal ob		0.0000	0,2001	L.7010	0.2700	0.0772	0.0000
4 5 Direct Expenses			si r"Total" cK		0.0000	0.0041	0.0425	0.0037	0.0012	0.0000
6 Miscallaneous Expanses	<u> </u>	4				O Resident				
7 Billing & Collection - P.L   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.000		5 Direct Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Investment Based + Billing & Collection   0.0000   0.0001   0.0425   0.0037   0.0012   0.0000		6 Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 Marketting & Business Fees   11 Product Management Expense   cA*(r8-r8)   0.019857   0.0000   0.0001   0.0005   0.0000   0.0000   0.0000   12 Sales Expense   cA*(r8-r8)   0.011877   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.000		7 Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 Marketing & Business Fees   CA*(16-16)   0.019957   0.0000   0.0001   0.0005   0.0001   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000		8 Total Investment Based + Billing & Collection			0.0000	0.0041	0.0425	0.0037	0.0012	0.0000
11 Product Management Expense		-								
12 Sales Expense										
13 Product Advertising Expense   CA*(r6-r6)   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000			· ·							
14 Business Fees (Other Operating Taxes) 15 Marketing & Business Fees Total 16  17 Sub-Total Invst., B & C, Mktg 18  19 Other Direct Expenses 20 Network Operations 21 Network Support Assets 22 General Support Assets 32 General Purpose Computers 23 General Purpose Computers 24 (177-r6) 25 Accounting & Finance Expense 26 At (177-r6) 27 Information Management Expenses 27 Information Management Expenses 28 Information Management Expenses 29 Information Management Expenses 20 Information Management Expenses 20 Information Management Expense 20 Information Management Expense 21 Information Management Expense 22 Information Management Expense 23 Common 34 Executive Expenses 35 Common 36 External Fields Expense 24 (177-r6) 27 Information Management Expense 28 Ch(177-r6) 29 Computer 29 Ch(177-r6) 20 Computer 29 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 21 Information Management Expense 22 Information Management Expense 24 (177-r6) 27 Information Management Expense 28 Ch(177-r6) 29 Computer 29 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 20 Ch(177-r6) 20 Computer 21 Information Management Expense 25 Ch(177-r6) 27 Information Management Expense 26 Ch(177-r6) 27 Information Management Expense 28 Ch(177-r6) 29 Common 30 Common 31 TELRIC 31 File C 177 + r29 32 Common 33 Expense 34 (177-r6) 36 Common 37 Legal Expense 37 (177-r6) 38 Common 39 Common 30 Common 30 Common 30 Common 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 31 Common 32 Common 33 Common 34 Executive Expense 35 Common 36 External Relations Expense 36 Ch(177-r6) 37 Legal Expense 37 Common 38 Expense 38 Common 39 Common 30 Common 30 Common 30 Common 30 Common 30 Common 30 Common 31 Expense 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expense 30 Ch(177-r6) 30 Common 31 Expen		•	, ,					0.0000	0.0000	0.0000
15   Marketing & Business Fees Total   16   17   Sub-Total Invst., B & C. Mktg   r8 + r15   0.0000   0.0001   0.0012   0.0038   0.0012   0.0000     18			, ,							
16				0.001483						
17   Sub-Total Invst., B & C, Mktg		•	Sum r11:r14		0.0000	0.0001	0.0014	0.0001	0.0000	0.0000
18   19   Other Direct Expenses   OA*(r17-r6)   0.034832   0.0000   0.0001   0.0015   0.0001   0.0000   0.0000   0.0000   0.0001   0.0006   0.0001   0.0000   0.0000   0.0000   0.0001   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.000			=0 . =1E		0.0000	0.0040	0.0400	0.0000	0.0010	0.0000
19 Other Direct Expenses 20 Network Operations cA*(r(17-r6) 0.034832 0.0000 0.0001 0.0015 0.0001 0.0000 0.0000 21 Network Support Assets cA*(r(17-r6) 0.014703 0.0000 0.0001 0.0006 0.0001 0.0000 0.0000 22 General Support Assets cA*(r(17-r6) 0.088742 0.0000 0.0004 0.0039 0.0003 0.0001 0.0000 23 General Purpose Computers cA*(r(17-r6) 0.043342 0.0000 0.0002 0.0019 0.0002 0.0019 0.0002 24 Uncollectible cA*(r(17-r6) 0.003786 0.0000 0.0000 0.0002 0.0019 0.0000 0.0000 25 Accounting & Finance Expense cA*(r(17-r6) 0.0037846 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 26 Human Resources Expense cA*(r(17-r6) 0.0037846 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 27 Information Management Expense cA*(r(17-r6) 0.008284 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 28 Intangibles cA*(r(17-r6) 0.008284 0.0000 0.0000 0.0000 0.0003 0.0003 0.0001 0.0000 28 Intangibles cA*(r(17-r6) 0.008287 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 29 Total Other Direct Expenses cA*(r(17-r6) 0.0000887 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00		· · · · · · · · · · · · · · · · · · ·	10 + 110		0,000	0.0042	0.0439	0.0039	0.0012	0.0000
20 Network Operations cA*(r17-r6) 0.034832 0.0000 0.0001 0.0015 0.0001 0.0000 0.0000 21 Network Support Assets cA*(r17-r6) 0.014703 0.0000 0.0001 0.0006 0.0001 0.0006 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0										
21 Network Support Assets		•	cA*(r17-r6)	0 034832	0.000	0.0001	0.0015	0.0001	0.0000	0.000
22 General Support Assets			, ,							
23 General Purpose Computers cA*(r17-r6) 0.043342 0.0000 0.0002 0.0019 0.0002 0.0001 0.0000 24 Uncollectible cA*(r17-r6) 0.003786 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000		• •	, ,							
24 Uncollectible CA*(r17-r6) 0.003786 0.0000 0.0000 0.0002 0.0000 0.0000 0.0000 25 Accounting & Finance Expense CA*(r17-r6) 0.007346 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.		• •	, ,							
25 Accounting & Finance Expense cA*(r17-r6) 0.007346 0.0000 0.0000 0.0003 0.0000 0.0000 0.0000 26 Human Resources Expense cA*(r17-r6) 0.008294 0.0000 0.0000 0.0004 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000		•	• •							
26 Human Resources Expense			, ,							
27 Information Management Expense cA*(r17-r6) 0.070887 0.0000 0.0003 0.0031 0.0003 0.0001 0.0000 28 Intangibles cA*(r17-r6) 0.000000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.			, ,							
28 Intangibles		· ·	• •							
29 Total Other Direct Expenses		•	, ,							
30 31 TELRIC		•	•	0.000000						
31 TELRIC   r17 + r29   0.0000   0.0054   0.0558   0.0049   0.0016   0.0000   32   33 Common   34 Executive Expense   CA*(r31-r6)   0.011267   0.0000   0.0001   0.0006   0.0001   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000		•	••••••		0.0000	0.0011	0.0110	0.0011	0.0000	0.0000
32 33 Common 34 Executive Expense			r17 + r29		0,0000	0.0054	0.0558	0.0049	0.0016	0.0000
34 Executive Expense       cA*(r31-r6)       0.011267       0.0000       0.0001       0.0006       0.0001       0.0000       0,0000         35 Planning Expense       cA*(r31-r6)       0.000525       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000         36 External Relations Expense       cA*(r31-r6)       0.037846       0.0000       0.0002       0.0021       0.0002       0.0001       0.0000         37 Legal Expense       cA*(r31-r6)       0.004717       0.0000       0.0000       0.0003       0.0000       0.0000       0.0000         38 Other Procurement Expense       cA*(r31-r6)       0.001860       0.0000       0.0000       0.0001       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000										
35 Planning Expense CA*(r31-r6) 0.000525 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0	3	3 Common								
36 External Relations Expense	3	4 Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0001	0.0006	0.0001	0.0000	0.0000
37 Legal Expense       cA*(r31-r6)       0.004717       0.0000       0.0000       0.0003       0.0000       0.0000       0.0000         38 Other Procurement Expense       cA*(r31-r6)       0.001860       0.0000       0.0000       0.0001       0.0000       0.0000       0.0000         39 Research & Development Expense       cA*(r31-r6)       0.00006       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000       0.0000	3	5 Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38 Other Procurement Expense CA*(r31-r6) 0.001860 0.0000 0.0000 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0	3	6 External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.0002	0.0021	0.0002	0.0001	0.0000
39 Research & Development Expense CA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00	3	7 Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
39 Research & Development Expense cA*(r31-r6) 0.00006 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00	3	8 Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
40 Other General and Admin Expense       cA*(r31-r6)       0.015064       0.0000       0.0001       0.0008       0.0001       0.0000       0.0000         41 Common Costs       Sum r34:r40       0.0000       0.0004       0.0040       0.0004       0.0004       0.0001       0.0000         42	3	9 Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000	0.0000	0.0000	0.0000	
41 Common Costs Sum r34:r40 0.0000 0.0004 0.0040 0.0004 0.0001 0.0000 42	4	0 Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0000	0.0001	0.0008	0.0001	0.0000	0.0000
	4	1 Common Costs	Sum r34:r40		0.0000	0.0004	0.0040	0.0004	0.0001	0.0000
43 TELRIC + Common Costs r31 + r41 0.0000 0.0057 0.0598 0.0053 0.0017 0.0000										
	4	3 TELRIC + Common Costs	r31 + r41		0.0000	0.0057	0.0598	0.0053	0.0017	0.0000

	5/7/0205 AM				
Row	South Dakota	Source or Calculation	Factor Value	UCD in hunt group - per line	UCD with Music After Delay
			Α	DR	DS
1	Investment	si r"Total" cD	el CDD 2000 la tréas esse	385.2874	254.0599
2					
3	Investment Based Costs	si r"Total" cK		5.9202	3.9038
4					
5	Direct Expenses			0.0000	0.0000
6	Miscellaneous Expenses			0.0000	0.000
7	Billing & Collection - PL			0.0000	0.000
9				5.9202	3.903
	Marketing & Business Fees				
	Product Management Expense	cA*(r8-r6)	0.019957	0.1182	0.077
	Sales Expense	cA*(r8-r6)	0.011877	0.0703	0.046
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0091	0.006
15 16	5 Marketing & Business Fees Total	Sum r11:r14		0.1975	0.130
	Sub-Total Invst., B & C, Mktg	r8 + r15		6.1177	4.034
18	3				
19	Other Direct Expenses				
	Network Operations	cA*(r17-r6)	0.034832	0.2131	0.140
	Network Support Assets	cA*(r17-r6)	0.014703	0.0900	0.059
	2 General Support Assets	cA*(r17-r6)	0.088742	0.5429	0.358
	3 General Purpose Computers	cA*(r17-r6)	0.043342	0.2652	0.174
	4 Uncollectible	cA*(r17-r6)	0.003786	0.0232	0.015
	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0449	0.029
	Human Resources Expense	cA*(r17-r6)	0.008294	0.0507	0.033
	7 Information Management Expense	cA*(r17-r6)	0.070887	0.4337	0.286
	3 Intangibles	cA*(r17-r6)	0.000000	0.0000	0.000
	9 Total Other Direct Expenses	Sum r20:r28		1.6636	1.097
30	1 TELRIC	r17 + r29		7.7813	5.131
32		117 + 125		7.7013	3.131
	z 3 <b>Commo</b> n				
-	4 Executive Expense	cA*(r31-r6)	0.011267	0.0877	0.057
	5 Planning Expense	cA*(r31-r6)	0.000525		0.002
	6 External Relations Expense	cA*(r31-r6)	0.037846		0.194
	7 Legal Expense	cA*(r31-r6)	0.004717		0.024
	8 Other Procurement Expense	cA*(r31-r6)	0.001860		0.009
	9 Research & Development Expense	cA*(r31-r6)	0.000006		0.000
	O Other General and Admin Expense	cA*(r31-r6)	0.015064		0.077
	1 Common Costs	Sum r34:r40	2.2.0004	0.5547	0.365
4:		- D 10 1/1/10		0.00 11	2.300
	3 TELRIC + Common Costs	r31 + r41		8.3360	5.496

South D	)akota				SGAT FEATU	RES				Total Capita
<u>\cct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
10XXX	Direct D	Dialed Blocking								
2212	377C	Digital Switch	0.0286	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
1111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00
2121	110C	Building	0.0057	0.0000	0.0000	0.0000	0.0000	0.0000		0.00
		Total	0.0344	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.00
Accour	nt Codes	- per system			-					
212	377C	Digital Switch	292.7794	2.6572	1.1088	0.4193	0.2329	0,2444	0.0000	4.66
111	20C	Land	1.0927	0.0000	0.0088	0.0033	0.0009	0.0012		0.01
121	110C	Building	58.5069	0.1259	0.3650	0.1380	0.0465	0.0623		0.73
		Total	352.3789	2.7831	1.4826	0.5607	0.2803	0.3078	0.0000	5.41
212 2111 2121	377C 20C 110C	Digital Switch Land Building	0.2340 0.0009 0.0468	0.0021 0.0000 0.0001	0.0009 0.0000 0.0003	0.0003 0.0000 0.0001	0.0002 0.0000 0.0000	0.0002 0.0000 0.0000	0.0000	0.00 0.00 0.00
		Total	0.2816	0.0022	0.0012	0.0004	0.0002	0.0002	0.0000	0.00
Audible	e Messa	ge Waiting								
2212	377C	Digital Switch	2.1128	0.0192	0.0080	0.0030	0.0017	0.0018	0.0000	0.03
2111	20C	Land	0.0079	0.0000	0.0001	0.0000	0.0000	0.0000		0.00
2121	110C	Building	0.4222	0.0009		0.0010	0.0003	0.0004		0.00
		Total	2.5429	0.0201	0.0107	0.0040	0.0020	0.0022	0.0000	0.03
Author	rization C	Codes - per system								
2212	377C	Digital Switch	123.0425	1.1167		0.1762	0.0979	0.1027	0.0000	1.95
2111	20C	Land	0.4592	0.0000		0.0014	0.0004	0.0005		0.00
2121	110C	Building Total	24.5879 148.0896	0.0529 <b>1.1696</b>		0.0580 <b>0.2356</b>	0.0196 <b>0.1178</b>	0.0262 <b>0.1294</b>	0.0000	0.31 <b>2.27</b>
Auto C	Callback									
Auto C	Januack									
2212	377C	Digital Switch	0.3164	0.0029		0.0005	0.0003	0.0003	0.0000	0.00
				0.0000	0.0000	0.0000	0.0000	0.0000		0.00
2111 2121	20C 110C	Land Building	0.0012 0.0632	0.0000 0.0001	0.0000 0.0004	0.0000 0.0001	0.0000 0.0001	0.0000 0.0001		0.0

	*******			•	The gard					
5/7/02 South Da	akota				SGAT FEATU	RES				
										Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
		Total	0.3808	0.0030	0.0016	0.0006	0.0003	0.0003	0.0000	0.0059
Automa	tic Line									
2212	377C	Digital Switch	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<u> </u>	3770	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Automa	ıtic Rou	te Selection - Common E	quip. per system							
0010	0770	District Controls	04.1000	0.7641	0.0100	0.1000	0.0670	0.0700	0.0000	1.040
2212 2111	377C 20C	Digital Switch Land	84.1903 0.3142	0.7641 0.0000	0.3188 0.0025	0.1206 0.0010	0.0670 0.0002	0.0703 0.0003	0.0000	1.340 0.004
2121	110C	Building	16.8240	0.0362	0.1050	0.0397	0.0134	0.0179		0.212
		Total	101.3285	0.8003	0.4263	0.1612	0.0806	0.0885	0.0000	1.557
Blockin	g of pay	per call services								
2212	377C	Digital Switch	1.2875	0.0117	0.0049	0.0018	0.0010	0.0011	0.0000	0.0205
2111	20C	Land	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.2573	0.0006	0.0016	0.0006	0.0002	0.0003		0.003
		Total	1.5496	0.0122	0.0065	0.0025	0.0012	0.0014	0.0000	0.0238
Bridging	g									
2212	377C	Digital Switch	0.0154	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
2111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
		Total	0.0186	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
Call Dro	ор									
2212	377C	Digital Switch	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
		Total	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
Call Ex	clusion	- Automatic								
2010	0770	District Controls	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
		-							0.0000	0.000
										0.0000
	1100								0.0000	0.000
2212 2111 2121	377C 20C 110C	Digital Switch Land Building <b>Tota</b> l	0.0001 0.0000 0.0000 <b>0.0001</b>	0.0000 0.0000 0.0000 <b>0.0000</b>	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 <b>0.0000</b>	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000		

South Da	akota				SGAT FEATU	IHES				Tatal 0"-
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
O-11 F		Manual								
Call Exc	iusion -	Manual								
2212	377C	Digital Switch	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.0000 <b>0.0001</b>	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000 <b>0.000</b>
		Total	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
Call For	ward D	on't Answer - All Calls								
0010	0770	Digital Switch	2.3204	0.0211	0.0088	0.0033	0.0018	0.0019	0.0000	0.037
2212 2111	377C 20C	Land	0.0087	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.4637	0.0010	0.0029	0.0011	0.0004	0.0005		0.005
		Total	2.7928	0.0221	0.0118	0.0044	0.0022	0.0024	0.0000	0.042
Call Fo	warding	g Incoming Only								
		, <u>.</u>							•	
2212	377C	Digital Switch	0.2394	0.0022	0.0009	0.0003	0.0002	0.0002	0.0000	0.003
2111	20C	Land	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building Totai	0.0478 <b>0.2881</b>	0.0001 0.0023	0.0003 <b>0.0012</b>	0.0001 <b>0.0005</b>	0.0000 0.0002	0.0001 0.0003	0.0000	0.000
		Пота	0.2001	0.0023	0.0012	0.0003	0.0002	0.0003	0.0000	0.004
Call Fo	warding	g Intra Group Only								
2212	377C	Digital Switch	0.2093	0.0019	0.0008	0.0003	0.0002	0.0002	0.0000	0.003
2111	20C	Land	0.0008	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.000
2121	110C	Building	0.0418	0.0001	0.0003	0.0001	0.0000	0.0000		0.000
		Total	0.2519	0.0020	0.0011	0.0004	0.0002	0.0002	0.0000	0.003
Call Fo	rwarding	g Variable Remote								
2212	377C	Digital Switch	1.5837 0.0059	0.0144 0.0000	0.0060 0.0000	0.0023 0.0000	0.0013 0.0000	0.0013 0.0000	0.0000	0.025 0.000
2111 2121	20C 110C	Land Building	0.3165	0.0007	0.0020	0.0007	0.0003	0.0003		0.000
2121	1100	Total	1.9060	0.0151	0.0080	0.0030	0.0015	0.0017	0.0000	0.029
Call Fo	rwardin	g: Busy Line (Expanded)								
Jan 1 U	· · · · · ·	g. Dudy Ento (Expanded)								
	377C	Digital Switch	0.7457	0.0068	0.0028	0.0011	0.0006	0.0006	0.0000	0.011
2212	3//0									
2212 2111	20C	Land	0.0028 0.1490	0.0000 0.0003	0.0000 0.0009	0.0000 0.0004	0.0000 0.0001	0.0000 0.0002		0.000 0.00

PRC   Recount Name   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home   New Home	outh Dakota				SGAT FEATU					Total Capital
Call Forwarding: Busy Line (External)  2212 377C Digital Switch 0.7457 0.0068 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0	ct FR	IC Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
2212   377C   Digital Switch   0.7457   0.0088   0.0028   0.0011   0.0006   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.000		Total	0.8975	0.0071	0.0038	0.0014	0.0007	0.0008	0.0000	0.013
2011   20C   Land   0.0028   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000	all Forwar	ding: Busy Line (External)								
2011   20C			0.7457	0.0000	0.0000	0.0044	0.0000	0.0000	0.0000	0.044
March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   Marc		•							0.000	0.011
Total   0.8975   0.0071   0.0038   0.0014   0.0007   0.0008   0.0000										0.000
Call Forwarding: Busy Line (External) Don't Answer	21 11								0.000	0.001 <b>0.013</b>
2212   377C   Digital Switch   3.0661   0.0278   0.0116   0.0044   0.0024   0.0026   0.0000		lotai	0.0573	0.0071	0.0000	0.0017	0.0007	0.0000	0.0000	0.013
211	all Forwar	ding: Busy Line (External) [	Don't Answer							
April   20C   Land   0.0114   0.0000   0.0001   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000	19 27	7C Digital Switch	3.0661	0 0278	0.0116	0 0044	0 002 <b>4</b>	0 0026	0 0000	0.048
Bulleting   0.6127   0.0013   0.0038   0.0014   0.0005   0.0007		<u> </u>							0.0000	0.000
Total   3.6903   0.0291   0.0155   0.0059   0.0029   0.0032   0.0000										0.007
2212   377C   Digital Switch   0.7457   0.0068   0.0028   0.0011   0.0006   0.0006   0.0000									0.0000	0.056
Call Forwarding: Busy Line (Overflow) Don't Answer  2212 377C Digital Switch 3.0661 0.0278 0.0116 0.0044 0.0024 0.0026 0.0000 2111 20C Land 0.0114 0.0000 0.0001 0.0000 0.0000 0.0000 2121 110C Building 0.6127 0.0013 0.0038 0.0014 0.0005 0.0007    Total 3.6903 0.0291 0.0155 0.0059 0.0029 0.0032 0.0000  Call Forwarding: Busy Line (Programmable)  2212 377C Digital Switch 1.0618 0.0096 0.0040 0.0015 0.0008 0.0009 0.0000 2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002    Total 1.2779 0.0101 0.0054 0.0020 0.0010 0.0011 0.0000  Call Forwarding: Busy Line/Don't Answer (Expanded)	11 20	OC Land OC Building	0.0028 0.1490	0.0000 0.0003	0.0000 0.0009	0.0000 0.0004	0.0000 0.0001	0.0000 0.0002		0.011 0.000 0.001 <b>0.013</b>
2111   20C   Land   0.0114   0.0000   0.0001   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000	all Forwar		Don't Answer							
200	12 37	77C Digital Switch	3.0661	0.0278	0.0116	0.0044	0.0024	0.0026	0.0000	0.048
Total 3.6903 0.0291 0.0155 0.0059 0.0029 0.0032 0.0000  Call Forwarding: Busy Line (Programmable)  2212 377C Digital Switch 1.0618 0.0096 0.0040 0.0015 0.0008 0.0009 0.0000 2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 0.0000 2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002 0.0002  Total 1.2779 0.0101 0.0054 0.0020 0.0010 0.0011 0.0000  Call Forwarding: Busy Line/Don't Answer (Expanded)			0.0114	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
Call Forwarding: Busy Line (Programmable)  2212 377C Digital Switch 1.0618 0.0096 0.0040 0.0015 0.0008 0.0009 0.0000 2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 0.0000 2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002 0.0002  Total 1.2779 0.0101 0.0054 0.0020 0.0010 0.0011 0.0000  Call Forwarding: Busy Line/Don't Answer (Expanded)	21 11	0C Building	0.6127	0.0013	0.0038	0.0014	0.0005	0.0007		0.007
2212 377C Digital Switch 1.0618 0.0096 0.0040 0.0015 0.0008 0.0009 0.0000 2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 0.0000 2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002 0.0002  Total 1.2779 0.0101 0.0054 0.0020 0.0010 0.0011 0.0000  Call Forwarding: Busy Line/Don't Answer (Expanded)		Total	3.6903	0.0291	0.0155	0.0059	0.0029	0.0032	0.0000	0.056
2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.	all Forwar	ding: Busy Line (Programm	nable)			-				
2111 20C Land 0.0040 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2121 110C Building 0.2122 0.0005 0.0013 0.0005 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.	110 27	77C Digital Switch	1.0618	0 0096	0.0040	0.0015	0.0008	0.0009	0.000	0.016
110C   Building   0.2122   0.0005   0.0013   0.0005   0.0002   0.0002       Total   1.2779   0.0101   0.0054   0.0020   0.0010   0.0011   0.0000     Call Forwarding: Busy Line/Don't Answer (Expanded)		5							0.0000	0.000
Total 1.2779 0.0101 0.0054 0.0020 0.0010 0.0011 0.0000  Call Forwarding: Busy Line/Don't Answer (Expanded)										0.002
									0.0000	0.019
	all Forwar	rding: Busy Line/Don't Answ	ver (Expanded)							
2212 377C Digital Switch 3.0661 0.0278 0.0116 0.0044 0.0024 0.0026 0.0000	an i Uiwai	drig. Dusy Lille/Doll t Allsv	TOT (EXPANSE)							
	212 37	77C Digital Switch	3.0661	0.0278	0.0116	0.0044	0.0024	0.0026	0.0000	0.04

South	Dakota			S	GAT FEATU	RES				
Acct	FRC	Account Name	Investment	Depreciation <u>C</u>	ost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2111	20C	Land	0.0114	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.6127	0.0013	0.0038	0.0014	0.0005	0.0007		0.0077
-		Total	3.6903	0.0291	0.0155	0.0059	0.0029	0.0032	0.0000	0.0567
Call F	orwardin	g: Don't Answer								
2212	377C	Digital Switch	2.3204	0.0211	0.0088	0.0033	0.0018	0.0019	0.0000	0.0370
2111	20C	Land	0.0087	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4637	0.0010	0.0029	0.0011	0.0004	0.0005		0.0058
		Total	2.7928	0.0221	0.0118	0.0044	0.0022	0.0024	0.0000	0.0429
Call F	orwardin	g: Don't Answer (Expanded)								
2212	377C	Digital Switch	2.3204	0.0211	0.0088	0.0033	0.0018	0.0019	0.0000	0.0370
2111	20C	Land	0.0087	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
2121	110C	Building	0.4637	0.0010	0.0029	0.0011	0.0004	0.0005		0.0058
					0.0118	0.0044	0.0022	0.0024	0.0000	0.0429
	orwardin	Total g: Don't Answer (Programma	2.7928 able)	0.0221	0.0110	0.0044	0.0022	0.0024	0.0000	0.0423
Call F 2212 2111	377C 20C	g: Don't Answer (Programma Digital Switch Land	uble) 2.1658 0.0081	0.0197 0.0000	0.0082 0.0001	0.0031 0.0000	0.0017 0.0000	0.0018 0.0000	0.0000	0.0345 0.0001
Call F 2212 2111	377C	g: Don't Answer (Programma Digital Switch Land Building	2.1658 0.0081 0.4328	0.0197	0.0082	0.0031	0.0017	0.0018		0.0348 0.000 0.0058
Call F 2212 2111 2121	377C 20C 110C	g: Don't Answer (Programma Digital Switch Land	uble) 2.1658 0.0081	0.0197 0.0000 0.0009	0.0082 0.0001 0.0027	0.0031 0.0000 0.0010	0.0017 0.0000 0.0003	0.0018 0.0000 0.0005	0.0000	0.0348 0.0001 0.0058
Call F 2212 2111 2121 Call F	377C 20C 110C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable	2.1658 0.0081 0.4328	0.0197 0.0000 0.0009	0.0082 0.0001 0.0027	0.0031 0.0000 0.0010	0.0017 0.0000 0.0003	0.0018 0.0000 0.0005	0.0000	0.0348 0.0001 0.0058 <b>0.040</b> 1
Call F 2212 2111 2121 Call F	377C 20C 110C	g: Don't Answer (Programma Digital Switch Land Building   <b>Total</b>	2.1658 0.0081 0.4328 2.6067	0.0197 0.0000 0.0009 <b>0.0206</b>	0.0082 0.0001 0.0027 <b>0.0110</b>	0.0031 0.0000 0.0010 <b>0.0041</b>	0.0017 0.0000 0.0003 <b>0.0021</b>	0.0018 0.0000 0.0005 <b>0.0023</b>	0.0000	0.0348 0.0001 0.0058 <b>0.040</b> 1
Call F 2212 2111 2121	377C 20C 110C orwardin	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch	2.1658 0.0081 0.4328 2.6067	0.0197 0.0000 0.0009 <b>0.0206</b>	0.0082 0.0001 0.0027 <b>0.0110</b>	0.0031 0.0000 0.0010 <b>0.0041</b>	0.0017 0.0000 0.0003 <b>0.0021</b>	0.0018 0.0000 0.0005 <b>0.0023</b>	0.0000	0.0345 0.0001 0.0055 <b>0.0401</b> 0.0192 0.0001
Call F 2212 2111 2121 Call F 2212 2111	377C 20C 110C orwardin 377C 20C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch Land	2.1658 0.0081 0.4328 2.6067	0.0197 0.0000 0.0009 0.0206	0.0082 0.0001 0.0027 <b>0.0110</b> 0.0046 0.0000	0.0031 0.0000 0.0010 <b>0.0041</b> 0.0017 0.0000	0.0017 0.0000 0.0003 <b>0.0021</b> 0.0010 0.0000	0.0018 0.0000 0.0005 <b>0.0023</b> 0.0010 0.0000	0.0000	0.0348 0.000 0.0058 <b>0.040</b> 1 0.0192 0.000 0.0030
Call F 2212 2111 2121  Call F 2212 2111 2121	377C 20C 110C orwardin 377C 20C 110C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch Land Building	2.1658 0.0081 0.4328 2.6067 1.2052 0.0045 0.2408 1.4506	0.0197 0.0000 0.0009 <b>0.0206</b> 0.0109 0.0000 0.0005	0.0082 0.0001 0.0027 <b>0.0110</b> 0.0046 0.0000 0.0015	0.0031 0.0000 0.0010 <b>0.0041</b> 0.0017 0.0000 0.0006	0.0017 0.0000 0.0003 <b>0.0021</b> 0.0010 0.0000 0.0002	0.0018 0.0000 0.0005 <b>0.0023</b> 0.0010 0.0000 0.0000	0.0000 0.0000 0.0000	0.0348 0.000 0.0058 <b>0.040</b> 1 0.0192 0.000 0.0030
Call F 2212 2111 2121  Call F 2212 2111 2121  Call F	377C 20C 110C orwardin 377C 20C 110C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch Land Building  Total  G: Variable - no call complete	2.1658 0.0081 0.4328 2.6067 1.2052 0.0045 0.2408 1.4506	0.0197 0.0000 0.0009 <b>0.0206</b> 0.0109 0.0000 0.0005 <b>0.0115</b>	0.0082 0.0001 0.0027 <b>0.0110</b> 0.0046 0.0000 0.0015 <b>0.0061</b>	0.0031 0.0000 0.0010 <b>0.0041</b> 0.0017 0.0000 0.0006 <b>0.0023</b>	0.0017 0.0000 0.0003 0.0021 0.0010 0.0000 0.0002 0.0012	0.0018 0.0000 0.0005 0.0023 0.0010 0.0000 0.0003 0.0013	0.0000 0.0000 0.0000	0.0348 0.0001 0.0055 <b>0.040</b> 1 0.0192 0.0001 0.0030 <b>0.022</b> 3
Call F 2212 2111 2121  Call F 2212 2111 2121  Call F	377C 20C 110C orwardin 377C 20C 110C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch Land Building  Total  g: Variable - no call complete  Digital Switch	2.1658 0.0081 0.4328 2.6067 1.2052 0.0045 0.2408 1.4506	0.0197 0.0000 0.0009 0.0206 0.0109 0.0000 0.0005 0.0115	0.0082 0.0001 0.0027 0.0110 0.0046 0.0000 0.0015 0.0061	0.0031 0.0000 0.0010 0.0041 0.0017 0.0000 0.0006 0.0023	0.0017 0.0000 0.0003 0.0021 0.0010 0.0000 0.0002 0.0012	0.0018 0.0000 0.0005 0.0023 0.0010 0.0000 0.0003 0.0013	0.0000 0.0000 0.0000	0.0345 0.0001 0.0055 <b>0.0401</b> 0.0192 0.0001 0.0030 <b>0.0223</b>
Call F 2212 2111 2121  Call F 2212 2111 2121	377C 20C 110C orwardin 377C 20C 110C	g: Don't Answer (Programma  Digital Switch Land Building  Total  g: Variable  Digital Switch Land Building  Total  G: Variable - no call complete	2.1658 0.0081 0.4328 2.6067 1.2052 0.0045 0.2408 1.4506	0.0197 0.0000 0.0009 <b>0.0206</b> 0.0109 0.0000 0.0005 <b>0.0115</b>	0.0082 0.0001 0.0027 <b>0.0110</b> 0.0046 0.0000 0.0015 <b>0.0061</b>	0.0031 0.0000 0.0010 <b>0.0041</b> 0.0017 0.0000 0.0006 <b>0.0023</b>	0.0017 0.0000 0.0003 0.0021 0.0010 0.0000 0.0002 0.0012	0.0018 0.0000 0.0005 0.0023 0.0010 0.0000 0.0003 0.0013	0.0000 0.0000 0.0000	0.0348 0.0001 0.0055 <b>0.0401</b> 0.0192 0.0001 0.0030 <b>0.022</b> 3

Call Hold

5/7/02 South Da	akota				SGAT FEATU	RES				T-1-1 011-1
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.3269	0.0030	0.0012	0.0005	0.0003	0.0003	0.0000	0.0052
2111	20C	Land	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building Total	0.0653 <b>0.3934</b>	0.0001 <b>0.0031</b>	0.0004 <b>0.0017</b>	0.0002 <b>0.0006</b>	0.0001 0.0003	0.0001 0.0003	0.0000	0.0008
Call Ho	ld/3-Wa	y/Call Transfer								
2212	377C	Digital Switch	9.9049	0.0899	0.0375	0.0142	0.0079	0.0083	0.0000	0.1577
2111	20C	Land	0.0370	0.0000	0.0003	0.0001	0.0000	0.0000	0.0000	0.0005
2121	110C	Building	1.9793	0.0043	0.0123	0.0047	0.0016	0.0021		0.0250
		Total	11.9212	0.0942	0.0502	0.0190	0.0095	0.0104	0.0000	0.1832
Call Pa	rk (Basi	c - Store & Retrieve)								
2212	377C	Digital Switch	0.7480	0.0068	0.0028	0.0011	0.0006	0.0006	0.0000	0.0119
2111	20C	Land	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.1495	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019
		Total	0.9003	0.0071	0.0038	0.0014	0.0007	0.0008	0.0000	0.0138
Call Pic	kup									
2212	377C	Digital Switch	0.2874	0.0026	0.0011	0.0004	0.0002	0.0002	0.0000	0.0046
2111	20C	Land	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building Total	0.0574 <b>0.3459</b>	0.0001 <b>0.0027</b>	0.0004 <b>0.0015</b>	0.0001 0.0006	0.0000 <b>0.0003</b>	0.0001 0.0003	0.0000	0.0007 0.0053
		Total	0.0100	0.0027	0.0010	0.0000	0.000	0.0000	0.0000	0.000
Call Tra	ansfer									
2212	377C	Digital Switch	9.9049	0.0899	0.0375	0.0142	0.0079	0.0083	0.0000	0.1577
2111	20C	Land	0.0370	0.0000	0.0003	0.0001	0.0000	0.0000		0.0005
2121	110C	Building Total	1.9793 11.9212	0.0043 0.0942	0.0123 <b>0.0502</b>	0.0047 <b>0.0190</b>	0.0016 <b>0.0095</b>	0.0021 <b>0.0104</b>	0.0000	0.0250 <b>0.1832</b>
Call Wa	aiting Di	al Originating	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.000.2			010000	0.0101		01100
2212	377C	Digital Switch	0.4316	0.0039	0.0016	0.0006	0.0003	0.0004	0.0000	0.0069
2111	20C	Land	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0863	0.0002	0.0005	0.0002	0.0001	0.0001		0.0011

South D	akota				SGAT FEATU	RES				
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capita Costs
		ication - per timing state					*			
2212	377C	Digital Switch	15.5098	0.1408	0.0587	0.0222	0.0123	0.0129	0.0000	0.247
2111	20C	Land	0.0579	0.0000	0.0005	0.0002	0.0000	0.0001		0.000
2121	110C	Building  Total	3.0994 1 <b>8.6671</b>	0.0067 <b>0.1474</b>	0.0193 <b>0.0785</b>	0.0073 <b>0.0297</b>	0.0025 <b>0.0149</b>	0.0033	0.0000	0.039
		lotal	10.0071	V.1474	0.0765	0.0297	0.0149	0.0163	0.0000	0.286
Call Wa	aiting Ori	ginating		14884					****	
2212	377C	Digital Switch	0.8562	0.0078	0.0032	0.0012	0.0007	0.0007	0.0000	0.013
2111	20C	Land	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.1711	0.0004	0.0011	0.0004	0.0001	0.0002		0.002
		Total	1.0305	0.0081	0.0043	0.0016	0.0008	0.0009	0.0000	0.015
Call Wa	aiting Te	rminating - All Calls								
2040		District Coulded	4 7457	0.0450	0.0005	0.000	0.0014	0.0014	0.0000	0.00
2212 2111	377C	Digital Switch Land	1.7157 0.0064	0.0156 0.0000	0.0065 0.0001	0.0025 0.0000	0.0014 0.0000	0.0014 0.0000	0.0000	0.02 0.00
2111 2121	20C 110C	Land Building	0.3428	0.0007	0.0021	0.0008	0.0003	0.0004		0.004
2121	1100	Total	2.0649	0.0163	0.0087	0.0033	0.0016	0.0018	0.0000	0.031
Call Wa	aitina Te	rminating - Incoming Only							-	
2212	377C	Digital Switch	1.7157	0.0156	0.0065	0.0025	0.0014	0.0014	0.0000	0.02
2111	20C	Land	0.0064	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building Total	0.3428 <b>2.0649</b>	0.0007 <b>0.0163</b>	0.0021 <b>0.0087</b>	0.0008 0.0033	0.0003 <b>0.0016</b>	0.0004 <b>0.0018</b>	0.0000	0.00
Call W	aiting/ Cr	ancel Call Waiting								
Call VV	aiting/ Ca	ancer Can Waiting								
2212	377C	Digital Switch	2.7464	0.0249	0.0104	0.0039	0.0022	0.0023	0.0000	0.04
2111	20C	Land	0.0102	0.0000	0.0001	0.0000	0.0000	0.0000		0.00
2121	110C	Building	0.5488	0.0012	0.0034	0.0013	0.0004	0.0006		0.00
		Total	3.3055	0.0261	0.0139	0.0053	0.0026	0.0029	0.0000	0.05
Centre	x Plus D	ID numbers per number								
		1								
	377C	Digital Switch	1.5921	0.0145	0.0060	0.0023	0.0013	0.0013	0.0000	0.02
2212		1 == 3	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000		0.00
2212 2111	20C	Land								
	20C 110C	Building Total	0.3182 1.9163	0.0007 0.0151	0.0020 <b>0.0081</b>	0.0008	0.0003 <b>0.0015</b>	0.0003 0.0017	0.0000	0.00

5/7/02 South D	akota				SGAT FEATU	IRES				
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capita Costs
	<b>.</b>	0 1 0								
Centre	Plus to	Centrex Plus								
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.249
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	8000.0		0.009
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.514
		Total	245.5542	1.9394	1.0331	0.3907	0.1953	0.2145	0.0000	3.773
Centre	c Plus to	IC Carrier								
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0,2922	0.1623	0.1703	0.0000	3.24
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008	0.0000	0.00
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.51
		Total	245.5542	1.9394	1.0331	0.3907	0.1953	0.2145	0.0000	3.77
Centre	k Plus to	PBX/Key Blocked								
						4				
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.24
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008		0.00
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.51
		Total	245.5542	1.9394	1.0331	0.3907	0.1953	0.2145	0.0000	3.77
Centre	x Plus to	PBX/Key Non-Blocked								
•										
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.24
2111	20C 110C	Land Building	0.7614 40.7704	0.0000 0.0877	0.0061 0.2544	0.0023 0.0962	0.0006 0.0324	0.0008 0.0434		0.00 0.51
2121	1100	Total	245.5542	1.9394	1.0331	0.3907	0.1953	0.2145	0.0000	3.77
CFBL -	All Call									
<u> </u>	7 111 0 011	<u> </u>								
2212	377C	Digital Switch	0.7457	0.0068	0.0028	0.0011	0.0006	0.0006	0.0000	0.01
2111	20C	Land	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000		0.00
2121	110C	Building	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.00
		Total	0.8975	0.0071	0.0038	0.0014	0.0007	0.0008	0.0000	0.01
CFBL -	Incomi	ng Only					11 11 11			***
2212	377C	Digital Switch	0.7457	0.0068	0.0028	0.0011	0.0006	0.0006	0.0000	0.01
2111	20C	Land	0.0028 0.1490	0.0000 0.0003	0.0000	0.0000 0.0004	0.0000	0.0000		0.00
2121	110C	Building	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.00

5/7/02										
South Dal	kota				SGAT FEATU	IRES				
										Total Capital
Acct	FRC	Account Name	<u>Investment</u>	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Costs
		Total	0.8975	0.0071	0.0038	0.0014	0.0007	8000.0	0.0000	0.0138
CFDA In	coming	g Only								
2010	0770	District Controls	0.3263	0.0030	0.0012	0.0005	0.0003	0.0003	0.0000	0.0052
2212 2111	377C 20C	Digital Switch Land	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
2121	110C	Building	0.0652	0.0001	0.0004	0.0002	0.0001	0.0001		0.0008
2121	1100	Total	0.3927	0.0031	0.0017	0.0006	0.0003	0.0003	0.0000	0.0060
CLASS -	· Anony	mous Call Rejection								
			40.0700	0.0014	0.0001	0.0144	0.0000	0.0004	0.0000	0.1604
2212	377C	Digital Switch	10.0729 0.0376	0.0914 0.0000	0.0381 0.0003	0.0144 0.0001	0.0080 0.0000	0.0084 0.0000	0.0000	0.1604
2111	20C	Land			0.0003	0.0047	0.0000	0.0001		0.005
2121	110C	Building Total	2.0129 1 <b>2.123</b> 4	0.0043 0.0958	0.0126	0.0047	0.0016	0.0021	0.0000	0.0254
CLASS -	- Call V	Vaiting ID								
<u> </u>		- Caran-19								
2212	377C	Digital Switch	1.1999	0.0109	0.0045	0.0017	0.0010	0.0010	0.0000	0.0191
2111	20C	Land	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.2398	0.0005	0.0015	0.0006	0.0002	0.0003		0.0030
		Total	1.4442	0.0114	0.0061	0.0023	0.0011	0.0013	0.0000	0.0222
CLASS -	- Callin	g Name & Number								
2010	.==0	Distract Controls	12.7000	0.1050	0.0523	0.0198	0.0110	0.0115	0.0000	0.2198
2212	377C	Digital Switch	13.7990 0.0515	0.1252 0.0000	0.0023	0.0002	0.0000	0.00115	0.0000	0.0007
2111 2121	20C 110C	Land Building	2.7575	0.0059	0.0004	0.0065	0.0022	0.0029		0.0348
2121	1100	Total	16.6080	0.1312		0.0264	0.0132	0.0145	0.0000	0.2552
CLASS	- Callin	g Number Delivery								
		3								
2212	377C	Digital Switch	1.8666	0.0169	0.0071	0.0027	0.0015	0.0016	0.0000	0.0297
2111	20C	Land	0.0070	0.0000		0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3730	0.0008		0.0009	0.0003	0.0004		0.0047
		Total	2.2466	0.0177	0.0095	0.0036	0.0018	0.0020	0.0000	0.0345
CLASS	- Callir	ig Number Delivery - Blocking								
		District Coultrie	44 4004	0 1015	0.0404	0.0100	0.0000	0.0000	0.0000	0 1700
2212	377C	Digital Switch	11.1881	0.1015		0.0160 0.0001	0.0089 0.0000	0.0093 0.0000	0.0000	0.1782 0.0005
2111	20C	Land	0.0418	0.0000	0.0003	0.0001	0.0000	0.0000		0.000

	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-			·	W. Carlot				<b>%</b> .	
5/7/02										
South Da	akota				SGAT FEATU	IRES				
				Depreciation	Cost Of Money	Income Tax	Ad Valorem		Switch RTU	Total Capital Costs
Acct 2121	110C	Account Name Building	Investment 2,2358	0.0048	0.0139	0.0053	0.0018	Maintenance 0.0024	SWILLII IT IU	0.0282
2121	1100	Total	13.4656	0.1064	0.0567	0.0214	0.0107	0.0118	0.0000	0.2069
CLASS	- Contii	nuous Redial						THE STREET STREET		
2212	377C	Digital Switch	8.8185	0.0800	0.0334	0.0126	0.0070	0.0074	0.0000	0.1404
2111	20C	Land	0.0329	0.0000	0.0003	0.0001	0.0000	0.0000		0.0004
2121	110C	Building	1.7622	0.0038	0.0110	0.0042	0.0014	0.0019		0.0222
		Total	10.6136	0.0838	0.0447	0.0169	0.0084	0.0093	0.0000	0.1631
CLASS	- Last (	Call Return								
		D. 10.10.11.	2.6423	0.0240	0.0100	0.0000	0.0021	0.0022	0.0000	0.0404
2212	377C	Digital Switch	0.0099	0.0240	0.0100	0.0038 0.0000	0.0021	0.0022	0.0000	0.0421 0.0001
2111 2121	20C 110C	Land Building	0.5280	0.0001	0.0033	0.0000	0.0004	0.0006		0.0067
2121	1100	Total	3.1802	0.0251	0.0134	0.0012	0.0025	0.0028	0.0000	0.0489
CLASS	- Priori	ty Calling								
2212	377C	Digital Switch	4.7675	0.0433	0.0181	0.0068	0.0038	0.0040	0.0000	0.0759
2111	20C	Land	0.0178	0.0000		0.0001	0.0000	0.0000		0.0002
2121	110C	Building	0.9527	0.0020	0.0059	0.0022	0.0008	0.0010		0.0120
		Total	5.7379	0.0453	0.0241	0.0091	0.0046	0.0050	0.0000	0.0882
CLASS	- Selec	ctive Call Forwarding								
2212	377C	Digital Switch	4.3258	0.0393		0.0062	0.0034	0.0036	0.0000	0.0689
2111	20C	Land	0.0161 0.8644	0.0000 0.0019		0.0000 0.0020	0.0000 0.0007	0.0000 0.0009		0.0002 0.0109
2121	110C	Building Total	5.2063	0.0411	0.0034	0.0020	0.0007	0.0009	0.0000	0.0800
CI 400	0.1.									
CLASS	- Selec	ctive Call Rejection					·			
2212	377C	Digital Switch	9.9917	0.0907	0.0378	0.0143	0.0079	0.0083	0.0000	0.1591
2111	20C	Land	0.0373	0.0000	0.0003	0.0001	0.0000	0.0000		0.0005
2121	110C	Building	1.9967	0.0043	0.0125	0.0047	0.0016	0.0021		0.0252
		Total	12.0256	0.0950	0.0506	0.0191	0.0096	0.0105	0.0000	0.1848
Custom	n Rinair	ng First Line (Short/Long/Short)								
		(								
2212	377C	Digital Switch	0.5253	0.0048	0.0020	0.0008	0.0004	0.0004	0.0000	0.0084

5/7/02 South <b>I</b>	Dakota				SGAT FEATU	IRES				
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2111	20C	Land	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	OWNCHING	0.0000
2121	110C	Building	0.1050	0.0002	0.0007	0.0002	0,0001	0.0001		0.0013
		Total	0.6322	0.0050	0.0027	0.0010	0.0005	0.0006	0.0000	0.0097
Custor	m Ringin	g First Line (Short/Short)								
2212	377C	Digital Switch	0.5253	0.0048	0.0020	0.0008	0.0004	0.0004	0.0000	0.0084
2111	20C	Land	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.000
2121	110C	Building	0.1050	0.0002	0.0007	0.0002	0.0001	0.0001		0.0013
		Total	0.6322	0.0050	0.0027	0.0010	0.0005	0.0006	0.0000	0.0097
Custo	m Ringing	g First Line (Short/Short/Long)								
2212	377C	Digital Switch	0.5253	0.0048	0.0020	0.0008	0.0004	0.0004	0.0000	0.008
2111	20C	Land	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.1050	0.0002	0.0007	0.0002	0.0001	0.0001		0.001
		Total	0.6322	0.0050	0.0027	0.0010	0.0005	0.0006	0.0000	0.009
Custo	m Ringin	g Second Line (Short/Long/Short)								
	4	D 10	0.4007	0.0045	0.0040	0.0007	0.0004	0.0004		
2212	377C 20C	Digital Switch	0.4927 0.0018	0.0045 0.0000	0.0019 0.0000	0.0007 0.0000	0.0004 0.0000	0.0004 0.0000	0.0000	0.0078 0.0008
2111 2121	110C	Land Building	0.0985	0.0002	0.0006	0.0002	0.0001	0.0001		0.000
E 1 E 1	1100	Total	0.5930	0.0047	0.0025	0.0009	0.0005	0.0005	0.0000	0.001
Custo	m Ringin	g Second Line (Short/Short)								
2212	377C	Digital Switch	0.4927	0.0045	0.0019	0.0007	0.0004	0.0004	0.0000	0.0078
2111	20C	Land	0.0018 0.0985	0.0000 0.0002	0.0000 0.0006	0.0000 0.0002	0.0000 0.0001	0.0000		0.0000
2121	110C	Building Total	0.5930	0.0002	0.0008	0.0002	0.0001	0.0001 0.0005	0.0000	0.0012 0.009
Custs	us Dinain	1								
Cusio	ııı nıngın	g Second Line (Short/Short/Long)								
2212	377C	Digital Switch	0.4927	0.0045	0.0019	0.0007	0.0004	0.0004	0.0000	0.007
2111	20C	Land	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.0985	0.0002	0.0006	0.0002	0.0001	0.0001		0.0012 0.009
		Total	0.5930	0.0047	0.0025	0.0009	0.0005	0.0005	0.0000	

Custom Ringing Third Line (Short/Long/Short)

South I	Dakota				SGAT FEATU	IRES				
Anat	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
Acct 2212	377C	Digital Switch	0.3940	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2111	20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0787	0.0002	0.0005	0.0002	0.0001	0.0001		0.0010
		Total	0.4742	0.0037	0.0020	0.0008	0.0004	0.0004	0.0000	0.0073
Custo	m Ringing	g Third Line (Short/Short)								
2212	377C	Digital Switch	0,3940	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2111	20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2121	110C	Building	0.0787	0.0002	0.0005	0.0002	0.0001	0.0001		0.0010
		Total	0.4742	0.0037	0.0020	0.0008	0.0004	0.0004	0.0000	0.0073
Custo	m Ringin	g Third Line (Short/Short/L	ong)							
0040	377C	District Controls	0.3940	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2212 2111	20C	Digital Switch Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
2121	110C	Building	0.0787	0.0002	0.0005	0.0002	0.0001	0.0001		0.0010
_ 1_ 1	1100	Total	0.4742	0.0037	0.0020	0.0008	0.0004	0.0004	0.0000	0.0073
Data (	Call Prote	ection (DMS 100)	0.0000	0.0000	0.0000	0.0000	0.0000	0,000	0.0000	0.0000
2212	3//6	Digital Switch  Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Dir Sta	a Sel/Bus	sy Lamp Fld per arrangeme								
2212	377C	Digital Switch	69.1463	0.6276	0.2619	0.0990	0.0550	0.0577	0.0000	1.1012
ا میدا	20C	Land	0.2581	0.0000	0.0021	0.0008	0.0002	0.0003		0.0033
2111	200									
2111	110C	Building	13.8177	0.0297	0.0862	0.0326	0.0110	0.0147		0.1742
		Building Total		0.0297 <b>0.6573</b>		0.0326 <b>0.1324</b>	0.0110 <b>0.0662</b>	0.0147 <b>0.0727</b>	0.0000	
2121	110C		13.8177		0.0862				0.0000	0.1742
Direct	110C	Total	13.8177		0.0862				0.0000	0.1742
2121	110C ed Call P	Total Pickup with Barge-in	13.8177 83.2220 4.1312 0.0154	0.6 <b>573</b> 0.0375 0.0000	0.0862 0.3501 0.0156 0.0001	0.1324 0.0059 0.0000	0.0662 0.0033 0.0000	0.0727 0.0034 0.0000		0.1742 1.2788 0.0658 0.0002
2121 Direct	ed Call P	Total  Pickup with Barge-in  Digital Switch	13.8177 83.2220 4.1312 0.0154 0.8256	<b>0.6573</b> 0.0375	0.0862 0.3501 0.0156	<b>0.1324</b> 0.0059	0.0662 0.0033	0.0727 0.0034 0.0000 0.0009		0.1742 1.2788 0.0658 0.0002 0.0104
2121 Direct 2212 2111	110C ed Call P 377C 20C	Total  Pickup with Barge-in  Digital Switch Land	13.8177 83.2220 4.1312 0.0154	0.6 <b>573</b> 0.0375 0.0000	0.0862 0.3501 0.0156 0.0001	0.1324 0.0059 0.0000	0.0662 0.0033 0.0000	0.0727 0.0034 0.0000		0.1742 1.2788 0.0658 0.0002
Direct 2212 2111 2121	110C ed Call P 377C 20C 110C	Total  Pickup with Barge-in  Digital Switch Land Building	13.8177 83.2220 4.1312 0.0154 0.8256	0.6573 0.0375 0.0000 0.0018	0.0862 0.3501 0.0156 0.0001 0.0052	0.1324 0.0059 0.0000 0.0019	0.0662 0.0033 0.0000 0.0007	0.0727 0.0034 0.0000 0.0009	0.0000	0.1742 1.2788 0.0658 0.0002 0.0104
Direct 2212 2111 2121  Direct	110C ed Call P 377C 20C 110C	Total  Pickup with Barge-in  Digital Switch Land Building  Total  Pickup without Barge-in	13.8177 83.2220 4.1312 0.0154 0.8256	0.6573 0.0375 0.0000 0.0018	0.0862 0.3501 0.0156 0.0001 0.0052	0.1324 0.0059 0.0000 0.0019	0.0662 0.0033 0.0000 0.0007	0.0727 0.0034 0.0000 0.0009	0.0000	0.1742 1.2788 0.0658 0.0002 0.0104
Direct 2212 2111 2121	ed Call P  377C 20C 110C	Total Pickup with Barge-in Digital Switch Land Building Total	13.8177 83.2220 4.1312 0.0154 0.8256 4.9722	0.0375 0.0000 0.0018 0.0393	0.0862 0.3501 0.0156 0.0001 0.0052 0.0209	0.1324 0.0059 0.0000 0.0019 0.0079	0.0662 0.0033 0.0000 0.0007 0.0040	0.0727 0.0034 0.0000 0.0009 0.0043	0.0000 <b>0.0000</b>	0.1742 1.2788 0.0658 0.0002 0.0104 0.0764

5/7/02 South I	Dakota				SGAT FEATU	IRES				
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
AUGI	IIV	Total	1.3662	0.0108	0.0057	0.0022	0.0011	0.0012	0.0000	0.0210
Distino	tive Ring	/Distinctive Call Waiting						:		
2212	377C	Digital Switch	0.5368	0.0049	0.0020	0.0008	0.0004	0.0004	0.0000	0.0085
2111	20C	Land	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.1073	0.0002	0.0007	0.0003	0.0001	0.0001		0.0014
		Total	0.6461	0.0051	0.0027	0.0010	0.0005	0.0006	0.0000	0.0099
Distino	ctive Ring	ging								
		5. 5. 5. 5. 5.	0.5050	0.0040	0.0000	0.0000	0.0004	0.0004	0.000	0.0004
2212	377C	Digital Switch	0.5253	0.0048 0.0000	0.0020 0.0000	0.0008 0.0000	0.0004 0.0000	0.0004	0.0000	0.0084 0.0000
2111	20C	Land	0.0020 0.1050	0.0000	0.0007	0.0002	0.0000	0.0000 0.0001		0.0000
2121	110C	Building Total	0.1030	0.0050	0.0007	0.0002	0.0001	0.0001	0.0000	0.0013
2212 2111 2121	377C 20C 110C	face - per station line  Digital Switch Land Building  Total	54.2545 0.2025 10.8418 <b>65.2987</b>	0.4924 0.0000 0.0233 <b>0.5157</b>	0.2055 0.0016 0.0676 <b>0.2747</b>	0.0777 0.0006 0.0256 <b>0.1039</b>	0.0432 0.0002 0.0086 <b>0.0519</b>	0.0453 0.0002 0.0115 <b>0.0570</b>	0.0000	0.8640 0.0026 0.1367 <b>1.003</b> 4
Execu	itive Busy	/ Overide	03.2301	0.0107	U.E.F.TT	0.1003	0.0010	0.0070	0.000	1.0004
2212	377C	Digital Switch	0.0565	0.0005	0.0002	0.0001	0.0000	0.0000	0.0000	0.0009
2111	20C	Land	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0113	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
		Total	0.0680	0.0005	0.0003	0.0001	0.0001	0.0001	0.0000	0.0010
Exper	sive Rou	ite Warning Tone- per system								
	377C	Digital Switch	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2212	3//0		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2212	3770	Total	0.0000	0.0000			10-10/10			
		Total tion Level - per system	0.0000	0.0000	0.000					
			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Feature Display

South D	akota				SGAT FEATU	IRES				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	<u>Costs</u>
2212	377C	Digital Switch	0.0083	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
		Total	0.0100	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
Group	Intercom									
2212	377C	Digital Switch	3.1681	0.0288	0.0120	0.0045	0.0025	0.0026	0.0000	0.050
2111	20C	Land	0.0118	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.6331	0.0014	0.0039	0.0015	0.0005	0.0007		0.008
		Total	3.8130	0.0301	0.0160	0.0061	0.0030	0.0033	0.0000	0.058
Hot Lin	e - per li	ne								
2212	377C	Digital Switch	2.2154	0.0201	0.0084	0.0032	0.0018	0.0018	0.0000	0.035
2111	20C	Land	0.0083	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.4427	0.0010	0.0028	0.0010	0.0004	0.0005		0.005
		Total	2.6664	0.0211	0.0112	0.0042	0.0021	0.0023	0.0000	0.041
Hunting	g: Multipe	osition Circular Hunting								
2212	377C	Digital Switch	7.8284	0.0710	0.0296	0.0112	0.0062	0.0065	0.0000	0.124
2111	.20C	Land	0.0292 1.5644	0.0000 0.0034	0.0002 0.0098	0.0001 0.0037	0.0000 0.0012	0.0000		0.000 0.019
2121	110C	Building Total	9,4220	0.0744	0.0396	0.0150	0.0075	0.0017 0.0082	0.0000	0.019
						,				
Huntin	g: Multip	osition Hunt Queuing								
2212	377C	Digital Switch	6.1319	0.0557	0.0232	0.0088	0.0049	0.0051	0.0000	0.097
2111	20C	Land	0.0229	0.0000	0.0002	0.0001	0.0000	0.0000		0.000
2121	110C	Building	1.2254	0.0026	0.0076	0.0029	0.0010	0.0013		0.015
		Total	7.3801	0.0583	0.0311	0.0117	0.0059	0.0064	0.0000	0.113
Huntin	g: Multip	osition Series Hunting								
2212	377C	Digital Switch	7.8284	0.0710	0.0296	0.0112	0.0062	0.0065	0.0000	0.124
2111	20C	Land	0.0292	0.0000	0.0002	0.0001	0.0002	0.0000	0.0000	0.000
	ے س	Lui lu	0.0202	0.0000				0.0000		0.000
2121	110C	Building	1.5644	0.0034	0.0098	0.0037	0.0012	0.0017		0.019

Hunting: Multiposition with Announcement in Queue

	ha si			ζ,	Salah dari				'i,	
5/7/02 South Da	ıkota				SGAT FEATU	RES				
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
0010	0770	Digital Curitab	121.1764	1.0998	0.4589	0.1735	0.0064	0.1010	0.0000	4.0000
2212 2111	377C 20C	Digital Switch Land	0.4522	0.0000	0.4589	0.0014	0.0964 0.0004	0.1012 0.0005	0.0000	1.9298 0.0059
2121	110C	Building	24.2150	0.0521	0.1511	0.0571	0.0193	0.0258		0.3053
		Total	145.8437	1.1519	0.6136	0.2320	0.1160	0.1274	0.0000	2.2410
Hunting	: Multip	osition with Music in Queue						Manus		
2212	377C	Dìgital Switch	41.6540	0.3780	0.1577	0.0597	0.0331	0.0348	0.0000	0.6634
2111	20C	Land	0.1555	0.0000	0.0013	0.0005	0.0001	0.0002	0.0000	0.0020
2121	110C	Building	8.3238	0.0179	0.0519	0.0196	0.0066	0.0089		0.1050
		Total	50.1332	0.3960	0.2109	0.0798	0.0399	0.0438	0.0000	0.7703
Incomin	g Calls	Barred								
2212	377C	Digital Switch	0.2831	0.0026	0.0011	0.0004	0.0002	0.0002	0.0000	0.0045
2111	20C	Land	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building Total	0.0566 <b>0.3407</b>	0.0001 0.0027	0.0004 <b>0.0014</b>	0.0001 0.0005	0.0000 <b>0.0003</b>	0.0001 0.0003	0.0000	0.0007 <b>0.0052</b>
Internat	ional Di	irect Dial Blocking								
2212	377C	Digital Switch	0.4511	0.0041	0.0017	0.0006	0.0004	0.0004	0.0000	0.0072
2111	20C	Land	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2121	110C	Building	0.0901	0.0002	0.0006	0.0002	0.0001	0.0001		0.0011
		Total	0.5429	0.0043	0.0023	0.0009	0.0004	0.0005	0.0000	0.0083
ISDN S	hort Hu	ınt					······································			PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS
2212	377C	Digital Switch	19.7466	0.1792	0.0748	0.0283	0.0157	0.0165	0.0000	0.3145
2111	20C	Land	0.0737	0.0000	0.0006	0.0002	0.0001	0.0001	0.0000	0.0010
2121	110C	Building	3.9460	0.0085	0.0246	0.0093	0.0031	0.0042		0.0498
		Total	23.7663	0.1877	0.1000	0.0378	0.0189	0.0208	0.0000	0.3652
Line Sic	de Ansv	wer Supervision								
	<u> </u>									
2212	377C	Digital Switch	0.8163	0.0074		0.0012	0.0006	0.0007	0.0000	0.0130
2111	20C	Land	0.0030 0.1631	0.0000 0.0004	0.0000 0.0010	0.0000 0.0004	0.0000 0.0001	0.0000 0.0002		0.0000
2121	110C	Building Total	0.1631	0.0004	0.0010	0.0004	0.0001	0.0002	0.0000	0.0021
1		Lorgi	0.9825	0.0078	U.UU4 I	0.0016	0.0008	0.0009	0.0000	0.0151

5/7/02 South Da	akota				SGAT FEATU	IRES				
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
		aging - per trunk group								
2212	377C	Digital Switch	876.1069	7.9514	3.3179	1.2547	0.6970	0.7314	0.0000	13.952
2111	20C	Land	3.2696	0.0000	0.0263	0.0099	0.0026	0.0035		0.042
2121	110C	Building	175.0748	0.3767	1.0923	0.4131	0.1393	0.1863		2.207
		Total	1,054.4513	8.3281	4.4365	1.6777	0.8388	0.9212	0.0000	16.20
Make B	usy Arra	angements - per group							<b>3</b>	
2212	377C	Digital Switch	11.2994	0.1026	0.0428	0.0162	0.0090	0.0094	0.0000	0.179
111	20C	Land	0.0422	0.0000	0.0003	0.0001	0.0000	0.0000		0.000
2121	110C	Building	2.2580	0.0049	0.0141	0.0053	0.0018	0.0024		0.028
		Total	13.5996	0.1074	0.0572	0.0216	0.0108	0.0119	0.0000	0.20
Make B	usy Arra	angements - per line								
2212	377C	Digital Switch	2.8249	0.0256	0.0107	0.0040	0.0022	0.0024	0.0000	0.04
2111	20C	Land	0.0105	0.0000		0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.5645	0.0012		0.0013	0.0004	0.0006		0.00
		Total	3.3999	0.0269	0.0143	0.0054	0.0027	0.0030	0.0000	0.052
Messag	ge Cente	er - per main station line								
2212	377C	Digital Switch	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
Messaç	ge Waitir	ng Indication Audible/Visual								
2212	377C	Digital Switch	2.1128	0.0192	0.0080	0.0030	0.0017	0.0018	0.0000	0.033
2111	20C	Land	0.0079	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.4222	0.0009		0.0010	0.0003	0.0004		0.00
		Total	2.5429	0.0201	0.0107	0.0040	0.0020	0.0022	0.0000	0.03
Messag	ge Waitir	ng Visual								
2212	377C	Digital Switch	2.1128	0.0192		0.0030	0.0017	0.0018	0.0000	0.033
2111	20C	Land	0.0079	0.0000		0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.4222	0.0009		0.0010 0.0040	0.0003	0.0004 0.0022	0.0000	0.00
		Total	2.5429	0.0201	0.0107					

Music On Hold - per system

5/7/02 South I	Dokoża				SGAT FEATU	IDEC				
South	<b>рако</b> та				SGAI FEATU	INEO				Total Capital
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Costs
2212	377C	Digital Switch	903.0937	8.1963	3.4201	1.2933	0.7184	0.7539	0.0000	14.382
2111	20C	Land	3.3703	0.0000	0.0271	0.0103	0.0027	0.0036		0.0436
2121	110C	Building	180.4676	0.3883	1.1260	0.4258	0.1436	0.1921		2.275
		Total	1,086.9316	8.5847	4.5731	1.7294	0.8647	0.9496	0.0000	16.7014
Netwo	rk Speed	Call							W	
2212	377C	Digital Switch	0.0121	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.000
2121	110C	Building	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	0.0145	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
Night	Service A	arrangement								
			0.0044	0.0000	0.000	0.0004	0.0004	0.0004	0.0000	0.004
2212 2111	377C 20C	Digital Switch Land	0.0641 0.0002	0.0006 0.0000	0.0002 0.0000	0.0001 0.0000	0.0001 0.0000	0.0001 0.0000	0.0000	0.0010 0.0000
2111 2121	110C	Building	0.0002	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	1100	Total	0.0772	0.0006	0.0003	0.0001	0.0001	0.0001	0.0000	0.001
Outgo	ing Calls	Barred								
V										
2212	377C	Digital Switch	0.0212	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
2111	20C	Land	0.0001 0.0042	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000		0.000
2121	110C	Building Total	0.0042	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.000
		Total	0.0230	0,0002	0.0001	0.000	0.0000	0.0000	0.0000	0.000
Outgo	ing Truni	k Queuing								
2212	377C	Digital Switch	2.3420	0.0213	0.0089	0.0034	0.0019	0.0020	0.0000	0.037
2111	20C	Land	0.0087	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.4680	0.0010	0.0029	0.0011	0.0004	0.0005		0.005
		Total	2.8187	0.0223	0.0119	0.0045	0.0022	0.0025	0.0000	0.043
Privad	cy Releas	e	***************************************							
0010	377C	Digital Switch	0.1245	0.0011	0.0005	0.0002	0.0001	0.0001	0.0000	0.002
2212 2111	20C	Land	0.0005	0.0000	0.0000	0.0002	0.0000	0.0001	0.0000	0.002
2121	110C	Building	0.0249	0.0001	0.0002	0.0001	0.0000	0.0000		0.000
ı - · <del>-</del> ·		Total	0.1499	0.0012	0.0006	0.0002	0.0001	0.0001	0.0000	0.002

Query Time

5/7/02 South	Dakota				SGAT FEATU	RES				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
2212	377C	Digital Switch	6.9020	0.0626	0.0261	0.0099	0.0055	0.0058	0.0000	0.1099
2111	20C	Land	0.0258	0.0000	0.0002	0.0001	0.0000	0.0000		0.0003
2121	110C	Building Total	1.3792 <b>8.3070</b>	0.0030 <b>0.0656</b>	0.0086 <b>0.0350</b>	0.0033 0.0132	0.0011 0.0066	0.0015 <b>0.0073</b>	0.0000	0.0174 <b>0.127</b> 6
						0.0.02		0.001.0		
Speed	d Calling	1 Digit Controller								
2212	377C	Digital Switch	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2111	20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0789	0.0002	0.0005	0.0002	0.0001	0.0001		0.0010
	· · · · · ·	Total	0.4754	0.0038	0.0020	0.0008	0.0004	0.0004	0.0000	0.0073
Speed	d Calling	1 Digit User								
2212	377C	Digital Switch	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2111	20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2121	110C	Building	0.0789	0.0002	0.0005	0.0002	0.0001	0.0001		0.0010
		Total	0.4754	0.0038	0.0020	0.0008	0.0004	0.0004	0.0000	0.0073
Snoor	d Calling	1# List Individual								
Speed	a Calling	I# List Individual								
2212	377C	Digital Switch	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2111	20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building Total	0.0789 0.4754	0.0002 0.0038	0.0005 0.0020	0.0002 <b>0.0008</b>	0.0001 <b>0.0004</b>	0.0001 0.0004	0.0000	0.0010 <b>0.0073</b>
			0.4734	0.0030	0.0020	0.0000	0.0004	0.0004	0.0000	0.0073
	d Calling 5	2 Digit Controller								
Speed	J Calling									
		Digital Switch	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.0063
2212	377C 20C	Digital Switch Land	0.3950 0.0015	0.0036 0.0000	0.0015 0.0000	0.0006 0.0000	0.0003 0.0000	0.0003 0.0000	0.0000	0.0063 0.0000
	377C								0.0000	
2212 2111	377C 20C	Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2212 2111 2121	377C 20C 110C	Land Building	0.0015 0.0789	0.0000 0.0002	0.0000 0.0005	0.0000 0.0002	0.0000 0.0001	0.0000 0.0001		0.0000 0.0010
2212 2111 2121 Speed	377C 20C 110C	Land Building Total  2 Digit User	0.0015 0.0789 <b>0.4754</b>	0.0000 0.0002 <b>0.0038</b>	0.0000 0.0005 <b>0.0020</b>	0.0000 0.0002 0.0008	0.0000 0.0001 <b>0.0004</b>	0.0000 0.0001 <b>0.0004</b>	0.0000	0.0000 0.0010 <b>0.007</b> 3
2212 2111 2121 Speed	377C 20C 110C d Calling	Land Building Total  2 Digit User  Digital Switch	0.0015 0.0789 <b>0.4754</b> 0.3950	0.0000 0.0002 <b>0.0038</b> 0.0036	0.0000 0.0005 <b>0.0020</b> 0.0015	0.0000 0.0002 0.0008	0.0000 0.0001 0.0004	0.0000 0.0001 0.0004		0.0000 0.0010 <b>0.007</b> 3 0.0063
2212 2111 2121 Speed	377C 20C 110C	Land Building Total  2 Digit User	0.0015 0.0789 <b>0.4754</b>	0.0000 0.0002 <b>0.0038</b>	0.0000 0.0005 <b>0.0020</b>	0.0000 0.0002 0.0008	0.0000 0.0001 <b>0.0004</b>	0.0000 0.0001 <b>0.0004</b>	0.0000	0.0000 0.0010 <b>0.007</b> 3

	akota				SGAT FEATU	neo				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
Speed	Calling 2	2# List Individual								
2010	0770	Digital Curitah	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.006
2212 2111	377C 20C	Digital Switch Land	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2121	110C	Building	0.0789	0.0002	0.0005	0.0002	0.0001	0.0001		0.001
		Total	0.4754	0.0038	0.0020	0.0008	0.0004	0.0004	0.0000	0.007
Speed	Calling 3	30 Number								
		Divital Controls	0.3950	0.0036	0.0015	0.0006	0.0003	0.0003	0.0000	0.006
2212 2111	377C 20C	Digital Switch Land	0.0015	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.000
2121	110C	Building	0.0789	0.0002	0.0005	0.0002	0.0001	0.0001		0.001
		Total	0.4754	0.0038	0.0020	0.0008	0.0004	0.0004	0.0000	0.007
Speed	Calling 8	3 Number								
			0.0050	0.0000	0.0045	0.0000	0.0000	0.0000	0.0000	0.000
2212	377C	Digital Switch	0.3950 0.0015	0.0036 0.0000	0.0015 0.0000	0.0006 0.0000	0.0003	0.0003 0.0000	0.0000	0.006
2111 2121	20C 110C	Land Building	0.0789	0.0002	0.0005	0.0002	0.0001	0.0001		0.00
1121	1100	Total	0.4754	0.0038	0.0020	0.0008	0.0004	0.0004	0.0000	0.007
Station	Camp-0	On Service - per main station								
2212	377C	Digital Switch	322.3215 1.2029	2.9253 0.0000	1.2207 0.0097	0.4616 0.0037	0.2564 0.0010	0.2691 0.0013	0.0000	5.133 0.015
2111 2121	20C 110C	Land Building	64.4104	0.1386	0.4019	0.1520	0.0512	0.0685		0.812
=1=1	1100	Total	387.9348	3.0639	1.6322	0.6172	0.3086	0.3389	0.0000	5.960
O1 - 1!	Messac	ge Detail Recording (SMDR)								
Station				· · · · · · · · · · · · · · · · · · ·						
Station			0.9941	0.0090	0.0038	0.0014	0.0008	0.0008	0.0000	0.015
2212	377C	Digital Switch								
2212 2124	2124	General Purpose Computers	0.3882	0.0053	0.0015	0.0006	0.0003	0.0000	0.0000	
2212 2124 2111	2124 20C	General Purpose Computers Land	0.3882 0.0037	0.0053 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2212 2124	2124	General Purpose Computers Land Building	0.3882 0.0037 0.1987	0.0053 0.0000 0.0004	0.0000 0.0012	0.0000 0.0005	0.0000 0.0002	0.0000 0.0002		0.007 0.000 0.002
2212 2124 2111 2121	2124 20C 110C	General Purpose Computers Land Building Total	0.3882 0.0037	0.0053 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00 0.00
2212 2124 2111 2121	2124 20C	General Purpose Computers Land Building Total	0.3882 0.0037 0.1987	0.0053 0.0000 0.0004	0.0000 0.0012	0.0000 0.0005	0.0000 0.0002	0.0000 0.0002		0.00 0.00
2212 2124 2111 2121 Three	2124 20C 110C Way Cal	General Purpose Computers Land Building Total	0.3882 0.0037 0.1987	0.0053 0.0000 0.0004	0.0000 0.0012	0.0000 0.0005	0.0000 0.0002	0.0000 0.0002		0.00
2212 2124 2111 2121	2124 20C 110C	General Purpose Computers Land Building Total	0.3882 0.0037 0.1987 1.5847	0.0053 0.0000 0.0004 <b>0.0148</b>	0.0000 0.0012 <b>0.0066</b>	0.0000 0.0005 <b>0.0025</b>	0.0000 0.0002 <b>0.0013</b>	0.0000 0.0002 0.0010	0.0000	0.00 0.00 <b>0.02</b>

5/7/02 South D	Dakota				SGAT FEATU	RES				
	<b>5</b> 00			Danisalation	Cost Of Money		0.4.16.1		OL DTII	Total Capital Costs
<u>Acct</u>	FRC	Account Name Total	Investment 11.9212	Depreciation 0.0942	0.0502	Income Tax 0.0190	Ad Valorem 0.0095	Maintenance 0.0104	Switch RTU 0.0000	<u>Cosis</u> 0.1832
									-	
Time a	nd Date	Display								
2212	377C	Digital Switch	4.3182	0.0392	0.0164	0.0062	0.0034	0.0036	0.0000	0.068
2111	20C	Land	0.0161	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.8629	0.0019	0.0054	0.0020	0.0007	0.0009		0.010
		Total	5.1972	0.0410	0.0219	0.0083	0.0041	0.0045	0.0000	0.0799
Time o	f Day Co	ontrol for ARS - per systen	า							
2212	377C	Digital Switch	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Time o	f Day No	COS Update								
2212	377C	Digital Switch	0.2205	0.0020	0.0008	0.0003	0.0002	0.0002	0.0000	0.0035
2111	20C	Land	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0441	0.0001	0.0003	0.0001	0.0000	0.0000		0.0006
		Total	0.2654	0.0021	0.0011	0.0004	0.0002	0.0002	0.0000	0.004
Time c	of Day Ro	outing - per line					2. (00)			
2212	377C	Digital Switch	2.2969	0.0208	0.0087	0.0033	0.0018	0.0019	0.0000	0.0366
2111	20C	Land	0.0086	0.0000	0.0001	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.4590	0.0010	0.0029	0.0011	0.0004	0.0005		0.0058
	,	Total	2.7645	0.0218	0.0116	0.0044	0.0022	0.0024	0.0000	0.042
Toll Re	estriction	Service								
2212	377C	Digital Switch	0.2024	0.0018	0.0008	0.0003	0.0002	0.0002	0.0000	0.0032
2111	20C	Land	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000		0.000
2121	110C	Building	0.0404	0.0001	0.0003	0.0001	0.0000	0.0000		0.0008
		Total	0.2436	0.0019	0.0010	0.0004	0.0002	0.0002	0.0000	0.003
Trunk	Answer	Any Station								
2212	377C	Digital Switch	0.0641	0.0006	0.0002	0.0001	0.0001	0.0001	0.0000	0.0010
2111	20C	Land	0.0002	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
2121	110C	Building	0.0128	0.0000	0.0001	0.0000	0.0000	0.0000		0.0002
		Total	0.0772	0.0006	0.0003	0.0001	0.0001	0.0001	0.0000	0.0012

Trunk Verification from Designated Station

5/7/02 South Dakota				SGAT FEATURES						
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UCD in	hunt gr	oup - per line								
2212	377C	Digital Switch	320.1219	2.9054	1.2123	0.4585	0.2547	0.2672	0.0000	5.0981
2111	20C	Land	1.1947	0.0000	0.0096	0.0036	0.0010	0.0013		0.0155
2121	110C	Building	63.9708	0.1376	0.3991	0.1509	0.0509	0.0681		0.8067
		Total	385.2874	3.0430	1.6210	0.6130	0.3065	0.3366	0.0000	5.9202
UCD w	ith Musi	c After Delay								
2212	377C	Digital Switch	211.0895	1.9158	0.7994	0.3023	0.1679	0.1762	0.0000	3.3617
2111	20C	Land	0.7878	0.0000	0.0063	0.0024	0.0006	0.0008		0.0102
2121	110C	Building	42.1826	0.0908	0.2632	0.0995	0.0336	0.0449		0.5319
		Total	254.0599	2.0066	1.0689	0.4042	0.2021	0.2219	0.0000	3.9038

# **Section 2**

# **Cost Calculations**

Service:

**SGAT FEATURES** 

State Name:

SOUTH DAKOTA

2-Character Jurisdiction Abbreviation:

SD

Study Year:

2002

**Study Completion Date:** 

MAY 2002

#### SECTION A

Switching Investments - Features

Source: SCM

Account Codes - per system

Attendant Access Line - per station line

Audible Message Waiting

Authorization Codes - per system

Auto Callback

Automatic Line

Automatic Route Selection - Common Equip. per system

Call Forward Don't Answer - All Calls

Call Forward Don't Answer - Incoming Only

Call Forwarding Variable Remote

Call Forwarding: Busy Line (Expanded)

Call Forwarding: Busy Line (External)

Call Forwarding: Busy Line (External) Don't Answer

Call Forwarding: Busy Line (Overflow)

Call Forwarding: Busy Line (Overflow) Don't Answer

Call Forwarding: Busy Line (Programmable)

Call Forwarding: Busy Line/Don't Answer (Expanded)

Call Forwarding: Don't Answer

Call Forwarding: Don't Answer (Expanded)

Call Forwarding: Don't Answer (Programmable)

Call Forwarding: Variable

Call Forwarding: Variable - no call complete option

Call Hold

Call Hold/3-Way/Call Transfer

Call Park (Basic - Store & Retrieve)

Call Pickup

Call Transfer

Call Waiting Dial Originating

Call Waiting Indication - per timing state

Call Waiting Originating

Call Waiting Terminating - All Calls

Call Waiting Terminating - Incoming Only

Call Waiting/ Cancel Call Waiting

Centrex Plus DID numbers per number

Centrex Plus to Centrex Plus

Centrex Plus to IC Carrier

Centrex Plus to PBX/Key Blocked

Centrex Plus to PBX/Key Non-Blocked

CFBL - All Calls

CFBL - Incoming Only

CLASS - Anonymous Call Rejection

CLASS - Call Waiting ID

## SECTION A (cont.)

CLASS - Calling Name & Number

CLASS - Calling Number Delivery

CLASS - Calling Number Delivery - Blocking

CLASS - Continuous Redial

CLASS - Last Call Return

CLASS - Priority Calling

CLASS - Selective Call Forwarding

CLASS - Selective Call Rejection

Common Equipment per 1.544 Mbps facility (DS1)

Conference Calling - Meet Me

Conference Calling - Preset

Data Call Protection (DMS 100)

Dir Sta Sel/Busy Lamp Fld per arrangement

Directed Call Pickup Barge-In

Distinctive Ring/Distinctive Call Waiting

Distinctive Ringing

EBS - Set Interface - per station line

Executive Busy Overide

Expensive Route Warning Tone- per system

Facility Restriction Level - per system

Hot Line - per line

Loudspeaker Paging - per trunk group

Make Busy Arrangements - per group

Make Busy Arrangements - per line

Message Center - per main station line

Message Waiting Indication Audible/Visual

Message Waiting Visual

Multiple Position Hunt - per announcement group

Multiple Position Hunt - per line

Multiple Position Hunt - queuing per group

Music On Hold - per system (5ESS)

Music On Hold - per system (DMS100)

Network Speed Call

Night Service Arrangement

Privacy Release

Query Time

Speed Calling 1 Digit Controller

Speed Calling 1 Digit User

Speed Calling 1# List Individual

Speed Calling 2 Digit Controller

Speed Calling 2 Digit User

Speed Calling 2# List Individual

Speed Calling 30 Number

Speed Calling 8 Number

Station Camp-On Service - per main station

Station Dial Conferencing (6 Way)

Three Way Calling

Time of Day Control for ARS - per system

Time of Day NCOS Update

Time of Day Routing - per line

Trunk Answer Any Station

Trunk Verification from Designated Station

UCD in hunt group - per hunt group

UCD in hunt group - per line

UCD with Music After Delay

#### SECTION B

#### Station Message Detail Recording (SMDR)

- Investment and Expense

Source: US WEST SMDR Study

Page 78

Expense Per Line Investment per Line

\$ 0.05 377C \$ 0.99

## SECTION C

Switch Component: Electronic Card

Source: Product Management

Electronic Business Set C Card

377C

18.9667

# SCM SGA, reatures

#### SGAT FEATURES

## SOUTH DAKOTA

	Investme	ent						
	STUDY	SGAT Features	С		E	Total (C+E)		
3	EF&I	US	0.154976362	0	0.079013527	0.2339898885	377C	BASIC CENTRON Dial 0
4	EF&I	US	1.437285805	0	0.154863398	1.5921492024	377C	BASIC CENTRON Direct Inward Dialing
5	EF&I	US	0.027010821	0	0.001593274	0.0286040948	377C	CENTRON 10XXX Split Blocking
6	EF&I	US	2.074343018	0	0.222550255	2.296893273	377C	CENTRON Automatic Route Selection - Circuit Switched Voice - Time of Day
7	EF&I	US	0.292449087	0	1.550565004	1.8430140913	377C	CENTRON Call Forward - Reason Display
8	EF&I	us	0.122732919	0	0.204168098	0.3269010176	377C	CENTRON Call Hold
9	EF&I	US	0.02308682	0	0.345353558	0.3684403781	377C	CENTRON Call Park Retrieve
10	EF&I	US	0.031613743	0	0.347993005	0.379606748	377C	CENTRON Call Park Store
11	EF&I	US	0.161506268	0	0.125873283	0.2873795507	377C	CENTRON Call Pickup
12	EF&I	US	0.273973	0	0.582255814	0.8562288138	377C	CENTRON Call Waiting - Originating
13	EF&I	US	0.549390191	0	1.166273317	1.7156635075	377C	CENTRON Call Waiting - Terminating
14	EF&I	US	1.70867524	0	2.630406963	4.3390822031	377C	CENTRON Called Name Display - Customer Activated
15	EF&I	US	0	0	0	0.	377C	CENTRON Data Call Protection
16	EF&I	US	108.247411	0	12.92902635	121.1764373318	377C	CENTRON Delayed Announcements for MUPH Queue
17	EF&I	US	0.039706619	0	0.391927991	0.4316346107	377C	CENTRON Dial Call Waiting
18	EF&I	US	3.217414549	0	0.913824278	4.1312388269	377C	CENTRON Directed Call Pickup with Barge-in
19	EF&I	US	0.822262363	0	0.312900402	1.1351627647	377C	CENTRON Directed Call Pickup without Barge-in
20	EF&I	US	0.003676582	0	0.00786402	0.0115406018	377C	CENTRON Distinctive Call Waiting
21	EF&I	US	0.328604905	0	0.196685124	0.5252900288	377C	CENTRON Distinctive Ringing
22	EF&I	US	10.97210979	0	58.17417145	69.1462812424	377C	CENTRON DSS - Busy Lamp Field for Business Set
23	EF&I	US	0.008964959	0	0.047532219	0.056497178	377C	CENTRON Executive Busy Override - Originator
24	EF&I	US	13.19558955	0	6.288916175	19.4845057236	377C	CENTRON Expensive Route Warning Tone for ARS
25	EF&I	US	58.93268967	0	3.476236105	62.4089257717	377C	CENTRON Facility Restriction Level Screening
26	EF&I	US	0.023210241	0	0.1230608	0.1462710407	377C	CENTRON Fast Transfer for MBS
27	EF&I	US	1.913545966	0	1.254570007	3.1681159735	377C	CENTRON Group Intercom - All Calls
28	EF&I	US	0.229464903	0	1.216624022	1.446088925	377C	CENTRON Group Intercom - Inter GIC Call
29	EF&I	US	581.0735551	0	295.0333156	876.1068706576	377C	CENTRON Loudspeaker Paging - Analog Trunk
30	EF&I	US	0.01407719	0	0.001356089	0.0154332793	377C	CENTRON MADN Bridging - 3WC
31	EF&I	US	1.792991996	0	9.506443977	11.2994359732	377C	CENTRON Make Set Busy - Intragroup
32	EF&I	US	0.312560375	0	0.361427104	0.6739874796	377C	CENTRON Message Waiting Indication Audible/Visual
33	EF&I	US	2.902150036	0	12.15993313	15.0620831704	377C	CENTRON Message Waiting Indication with SS7
34	EF&I	US	3.528403997	0	6.33950901	9.8679130077	377C	CENTRON Message Waiting Set
35	EF&I	US	4.451325258	0	3.37710209	7.8284273483	377C	CENTRON Multiline Hunt
36	EF&I	US	35.27286268	0	6.381095587	41.6539582681	377C	CENTRON Music in Queue - Multi-Position Hunt Group
37	EF&I	US	1019.528015	0	60.39636993	1,079.9243850708	377C	CENTRON Music On Hold - Digital Trunk

#### **SOUTH DAKOTA**

	Investme	ent						
	STUDY	SGAT Features	С		E	Total (C+E)		
38	EF&I	US	0.000329164	0	0.001745226	0.0020743895	377C	CENTRON Music On Hold for P-Phones
39	EF&I	US	0.001914845	0	0.01015251	0.0120673553	377C	CENTRON Network Speed Call
40	EF&I	US	0.371626541	0	1.970363235	2.3419897761		CENTRON Outgoing Trunk Queuing Without Recorded Announcement
41	EF&I	US	5.790356159	0	0.341553092	6.1319092512		CENTRON Queuing for MUPH
42	EF&I	US	266.5472107	0	55.77433014	322.3215408325		CENTRON Station Camp On for Meridian Business Sets
43	EF&I	US	0.03498945	0	0.185514107	0.2205035575		CENTRON Time of Day NCOS
44	EF&I	US	0.044498874	0	0.019605517	0.0641043909		CENTRON Trunk Answer Any Station
45	EF&I	US	0	0	0		377C	CENTRON Trunk Verification From a Designated Station
46	EF&I	US	0.425983883	0	0.773932144	1.1999160269		CLASS Call Waiting ID (Name & Number with SS7)
47	EF&I	US	4.898814608	0	8.90022113	13.7990357385		CLASS Calling Name and Number (SS7 included)
48	EF&I	US	0.70393967	0	1.162671127	1.8666107974	377C	CLASS Calling Number Delivery - IEO Permanent
49	EF&I	US	3.842688022	0	1.751373845	5.5940618667	377C	CLASS Calling Number Delivery Blocking - IAO
50	EF&I	US	3.842688022	0	1.751373845	5.5940618667		CLASS Calling Number Delivery Blocking - IEO
51	EF&I	US	0.211475051	0	2.910888404	3.1223634548	377C	CLASS Continuous Redial - IAO
52	EF&I	US	1.185522242	0	4.510620589	5.6961428311	377C	CLASS Continuous Redial - IEO
53	EF&I	US	0.004558309	0	2.577382599	2.5819409076	377C	CLASS Last Call Return - IAO
54	EF&I	US	0.018645335	0	0.041739223	0.0603845586	377C	CLASS Last Call Return - IEO
55	EF&I	US	2.854898505	0	1.912553276	4.767451781	377C	CLASS Priority Calling
56	EF&I	US	2.117124074	0	2.208650112	4.3257741859	377C	CLASS Selective Call Forwarding
57	EF&I	US	4.696608038	0	5.295077969	9.9916860072	377C	CLASS Selective Call Rejection
58	EF&I	US	9.330542692	0	0.742380114	10.0729228063	377C	CLASS Unidentified Caller Rejection - Acceptance & Rejection
59	EF&I	US	0.225958496	0	0.753805518	0.9797640145	377C	EBS Business Set Call Forward on a per Key Basis
60	EF&I	US	0.004042304	0	0.007325764	0.0113680679	377C	EBS Business Set Inspect Key
61	EF&I	US	0.05275055	0	0.27968359	0.3324341401	377C	EBS Key Short Hunt
62	EF&I	US	0.065938197	0	0.349604487	0.4155426845	377C	EBS Multiple Executive Message Waiting Keys per DN
63	EF&I	US	0.680608928	0	3.608588934	4.2891978621	377C	EBS Origination/Termination Line Select - Idle Line Select
64	EF&I	US	0.043854721	0	0.232517794	0.2763725147	377C	EBS Origination/Termination Line Select - Incoming Call Select
65	EF&I	US	0.051990971	0	0.275656193	0.3276471645	377C	EBS Origination/Termination Line Select - No Line Select
66	EF&I	US	0.388609448	0	0.427738332	0.8163477805	377C	FCC Answer Supervision - Line
67	EF&I	US	0.554529549	0	0.275599218	0.8301287676	377C	FCC Calling Number Delivery (ICLID) - Permanent
68	EF&I	US	0.001119434	0	0.002461338	0.0035807712	377C	ISDN BASIC Auto Drop
69	EF&I	US	0.001318764	0	0.00699209	0.0083108541	377C	ISDN BASIC Feature Display
70	EF&I	US	1.759603183	0	2.558563306	4.3181664893	377C	ISDN BASIC Time and Date
71	EF&I	US	0.001825494	0	0.314542741	0.3163682349	377C	ISDN FEATURES Automatic Callback Calling/Ring Again
72	EF&I	US	0.134679976	0	0.104696367	0.2393763424	377C	ISDN FEATURES Call Forwarding - Incoming Only
								3

## SOUTH DAKOTA

	Investme	ent						
	STUDY	SGAT Features	С		E	Total (C+E)		
73	EF&I	US	0.008621132	0	0.013931373	0.0225525049	377C	ISDN FEATURES Call Forwarding Intra Group Only (Use with Remote Activa
74	EF&I	US	0.071398654	0	0.115377123	0.186775777	377C	ISDN FEATURES Call Forwarding Variable - IAO (Use with Remote Activatic
75	EF&I	US	0.326269388	0	0	0.3262693882	377C	ISDN FEATURES Call Forwarding-Don't Answer: Incoming Only
76	EF&I	US	3.133383036	0	16.61319923	19.7465822697	377C	ISDN FEATURES Key Short Hunt
77	EF&I	US	296.8583984	0	271.4030151	568.2614135742	377C	ISDN FEATURES System Music On Hold - Digital Trunk
78	EF&I	US	7.73379E-05	0	0	0.0000773379	377C	ISDN MADN MADN - Automatic Exclusion
79	EF&I	US	7.73379E-05	0	0	0.0000773379	377C	ISDN MADN MADN - Manual Exclusion
80	EF&I	US	223.1450368	0	69.63433534	292.7793721328	377C	MODEL Account Codes
81	EF&I	US	102.4272573	0	20.61519812	123.0424553908	377C	MODEL Authorization Codes
82	EF&I	US	1.595088854	0	0.620349343	2.2154381977	377C	MODEL Hot Line
83	EF&I	US	0.075370252	0	0.04914327	0.1245135218	377C	MODEL Privacy Release
84	EF&I	US	4.069989204	0	2.832020044	6.9020092487	377C	MODEL Query Time
85	EF&I	US	5.983817895	0	5.793652084	11.7774699796	377C	MODEL Uniform Call Distribution
86	EF&I	US	1.104176522	0	0.183304265	1.2874807869	377C	POTS Block Pay per Use Features
87	EF&I	US	0.122272273	0	0.066936875	0.1892091479	377C	POTS Call Forwarding Variable - IAO (Use with Remote Activation)
88	EF&I	US	0.185031513	0	0.417590047	0.6026215608	377C	POTS Call Forwarding Variable - IAO Customer Changeable
89	EF&I	US	0.122272273	0	0.066936875	0.1892091479	377C	POTS Call Forwarding Variable - IEO (Use with Remote Activation)
90	EF&I	US	0.185031513	0	0.417590047	0.6026215608	377C	POTS Call Forwarding Variable - IEO Customer Changeable
91	EF&I	US	0.159420561	0	0.371461447	0.5308820082	377C	POTS Call Forwarding-Busy Line - IAO Customer Changeable
92	EF&I	US	0.159433379	0	0.371477102	0.5309104808	377C	POTS Call Forwarding-Busy Line - IEO Customer Changeable
93	EF&I	US	0.611172227	0	0.134494567	0.7456667938	377C	POTS Call Forwarding-Busy Line - IEO Customer NonChangeable
94	EF&I	US	0.544251045	0	0.545017537	1.0892685821	377C	POTS Call Forwarding-Don't Answer: IAO Customer Changeable
95	EF&I	US	0.533485717	0	0.543033888	1.0765196052	377C	POTS Call Forwarding-Don't Answer: IEO Customer Changeable
96	EF&I	US	1.651601916	0	0.668842343	2.3204442591	377C	POTS Call Forwarding-Don't Answer: IEO Customer NonChangeable
97	EF&I	US	0.558634884	0	1.26811047	1.8267453542	377C	POTS Call Waiting

# SCM Custom Fing 2nd Features

## **SGAT FEATURES**

## **SOUTH DAKOTA**

## Switching Cost Model (SCM) Output

1 Investment

2 STUDY **SGAT Features** C E Total (C+E)

3 EF&I USW 0.308231416 0 0.184490671 0.492722088 377C POTS Distinctive Ringing

## SCM Custom Fung 3rd Features

## SGAT FEATURES

## SOUTH DAKOTA

1	Investme	ent			
2	STUDY	SGAT Features	С	Ε	Total (C+E)
3	EF&I	USW	0.24645367 0	0.147513844	0.393967514 377C POTS Distinctive Ringing

## SCM UCL eatures

## **SGAT FEATURES**

## SOUTH DAKOTA

1 Investment							
2	STUDY	SGAT Features	С		E	Total (C+E)	
3	EF&I	USW	87.21269422	0	20.47238827	107.6850825 377C	CENTRON Delayed Announcements for MUPH Queue
4	EF&I	USW	3.109794749	0	12.40004684	15.50984159 377C	CENTRON Message Waiting Indication with SS7
5	EF&I	USW	68.68468753	0	9.336286938	78.02097447 377C	CENTRON Music in Queue - Multi-Position Hunt Group
6	EF&I	USW	115.8072968	0	6.831071854	122.6383686 377C	CENTRON Queuing for MUPH

## SOUTH DAKOTA

	Source	Source	Source	Source	Source	377C Investment	2124 Investment
	from: SCM Features Columns C+E	from: Inputs	from: SCM Cust Ring 2nd Columns C+E	from: SCM Cust Ring 3rd Columns C+E	from: SCM UCD Features Columns C+E	Total to: WINPC3 Investments Tab	Total to: WINPC3 Investments Tab
10XXX Direct Dialed Blocking	Ln5					\$ 0.0286	
Account Codes - per system	Ln80					\$ 292.7794	
Attendant Access Line - per station line	Ln3					\$ 0.2340	
Audible Message Waiting	(.9)Ln32(.1)Ln33					\$ 2.1128	
Authorization Codes - per system	Ln81					\$ 123.0425	
Auto Callback	Ln71					\$ 0.3164	
Automatic Line	Ln109					\$ -	
Automatic Route Selection - Common Equip. per system	Ln6+Ln24+Ln25					\$ 84.1903	
Blocking of pay per call services	Ln86					\$ 1.2875	
Bridging	Ln30					\$ 0.0154	
Call Drop	Ln68					\$ 0.0036	
Call Exclusion - Automatic	Ln78					\$ 0.0001	
Call Exclusion - Manual	Ln79					\$ 0.0001	
Call Forward Don't Answer - All Calls	Ln96					\$ 2.3204	
Call Forwarding Incoming Only	Ln72					\$ 0.2394	ŀ
Call Forwarding Intra Group Only	Ln73+Ln74					\$ 0.2093	
Call Forwarding Variable Remote	Ln87+Ln88+Ln89+Ln90					\$ 1.5837	
Call Forwarding: Busy Line (Expanded)	Ln93					\$ 0.7457	
Call Forwarding: Busy Line (External)	Ln93					\$ 0.7457	
Call Forwarding: Busy Line (External) Don't Answer	Ln93+Ln96					\$ 3.0661	
Call Forwarding: Busy Line (Overflow)	Ln93					\$ 0.7457	
Call Forwarding: Busy Line (Overflow) Don't Answer	Ln93+Ln96					\$ 3.0661	
Call Forwarding: Busy Line (Programmable)	Ln91+Ln92					\$ 1.0618	
Call Forwarding: Busy Line/Don't Answer (Expanded)	Ln93+Ln96					\$ 3.0661	
Call Forwarding: Don't Answer	Ln96					\$ 2.3204	i
Call Forwarding: Don't Answer (Expanded)	Ln96					\$ 2.3204	
Call Forwarding: Don't Answer (Programmable)	Ln94+Ln95					\$ 2.1658	
Call Forwarding: Variable	Ln88+Ln90					\$ 1.2052	
Call Forwarding: Variable - no call complete option	Ln88+Ln90					\$ 1.2052	
Call Hold	Ln8					\$ 0.3269	
Call Hold/3-Way/Call Transfer	Ln104					\$ 9.9049	
Call Park (Basic - Store & Retrieve)	Ln9+Ln10					\$ 0.7480	1

## SOUTH DAKOTA

	Source	Source	Source	Source	Source	377C Investment	2124 Investment
	from: SCM Features Columns C+E	from: Inputs	from: SCM Cust Ring 2nd Columns C+E	from: SCM Cust Ring 3rd Columns C+E	from: SCM UCD Features Columns C+E	Total to: WINPC3 Investments Tab	Total to: WINPC3 Investments Tab
Call Pickup	Ln11					\$ 0.2874	
Call Transfer	Ln104					\$ 9.9049	
Call Waiting Dial Originating	Ln17					\$ 0.4316	
Call Waiting Indication - per timing state	2,777				Ln4	\$ 15.5098	
Call Waiting Originating	Ln12				L114	\$ 0.8562	
Call Waiting Terminating - All Calls	Ln13					\$ 1.7157	
Call Waiting Terminating - Incoming Only	Ln13					\$ 1.7157	1
Call Waiting/ Cancel Call Waiting	Ln97+Ln98					\$ 2.7464	
Centrex Plus DID numbers per number	Ln4					\$ 1.5921	1
Centrex Plus to Centrex Plus	(.56)Ln106(.44)Ln107					\$ 204.0225	
Centrex Plus to IC Carrier	(.56)Ln106(.44)Ln107					\$ 204.0225	
Centrex Plus to PBX/Key Blocked	(.56)Ln106(.44)Ln107					\$ 204.0225	
Centrex Plus to PBX/Key Non-Blocked	(.56)Ln106(.44)Ln107					\$ 204.0225	
CFBL - All Calls	Ln93					\$ 0.7457	
CFBL - Incoming Only	Ln93					\$ 0.7457	
CFDA Incoming Only	Ln75					\$ 0.3263	
CLASS - Anonymous Call Rejection	Ln58					\$ 10.0729	
CLASS - Call Waiting ID	Ln46					\$ 1.1999	i
CLASS - Calling Name & Number	Ln47					\$ 13.7990	
CLASS - Calling Number Delivery	Ln48					\$ 1.8666	
CLASS - Calling Number Delivery - Blocking	Ln49+Ln50					\$ 11.1881	
CLASS - Continuous Redial	Ln51+Ln52					\$ 8.8185	1
CLASS - Last Call Return	Ln53+Ln54					\$ 2.6423	
CLASS - Priority Calling	Ln55					\$ 4.7675	
CLASS - Selective Call Forwarding	Ln56					\$ 4.3258	
CLASS - Selective Call Rejection	Ln57	•				\$ 9.9917	
Custom Ringing First Line (Short/Long/Short)	Ln21					\$ 0.5253	
Custom Ringing First Line (Short/Short)	Ln21					\$ 0.5253	
Custom Ringing First Line (Short/Short/Long)	Ln21					\$ 0.5253	
Custom Ringing Second Line (Short/Long/Short)			Ln3			\$ 0.4927	
Custom Ringing Second Line (Short/Short)			Ln3			\$ 0.4927	
Custom Ringing Second Line (Short/Short/Long)			Ln3			\$ 0.4927	

#### **SOUTH DAKOTA**

	Source	Source	Source	Source	Source	377C Investment	2124 Investment
	from: SCM Features Columns C+E	from: Inputs	from: SCM Cust Ring 2nd Columns C+E	from: SCM Cust Ring 3rd Columns C+E	from: SCM UCD Features Columns C+E	Total to: WINPC3 Investments Tab	Total to: WINPC3 Investments Tab
Custom Ringing Third Line (Short/Long/Short) Custom Ringing Third Line (Short/Short) Custom Ringing Third Line (Short/Short/Long) Data Call Protection (DMS 100) Dir Sta Sel/Busy Lamp Fld per arrangement Directed Call Pickup with Barge-in Directed Call Pickup without Barge-in Distinctive Ring/Distinctive Call Waiting Distinctive Ringing EBS - Set Interface - per station line Executive Busy Overide Expensive Route Warning Tone- per system Facility Restriction Level - per system Feature Display Group Intercom Hot Line - per line Hunting: Multiposition Circular Hunting Hunting: Multiposition Series Hunting Hunting: Multiposition with Announcement in Queue Incoming Calls Barred International Direct Dial Blocking ISDN Short Hunt	Ln15 Ln22 Ln18 Ln19 Ln20+Ln21 Ln21 (a) + (b) Ln23 Ln24 Ln94 Ln69 Ln27 Ln82 Ln35 Ln41 Ln35 Ln16 Ln36 Ln100 Ln101 Ln76			Ln3 Ln3 Ln3		\$ 0.3940 \$ 0.3940 \$ 0.3940 \$ - \$ 69.1463 \$ 4.1312 \$ 1.1352 \$ 0.5368 \$ 0.5253 \$ 54.2545 \$ 0.0565 \$ - \$ 0.0083 \$ 3.1681 \$ 2.2154 \$ 7.8284 \$ 6.1319 \$ 7.8284 \$ 121.1764 \$ 41.6540 \$ 0.2831 \$ 0.4511 \$ 19.7466	
Line Side Answer Supervision Loudspeaker Paging - per trunk group	Ln66 Ln29					\$ 0.8163 \$ 876.1069	
Make Busy Arrangements - per group Make Busy Arrangements - per line Message Center - per main station line	Ln31 .25 * Ln31 Ln116		,			\$ 11.2994 \$ 2.8249 \$ -	
Message Waiting Indication Audible/Visual Message Waiting Visual Music On Hold - per system	(.9)Ln32+(.1)Ln33 (.9)Ln32+(.1)Ln33 (.6544)Ln37+(.3456)Ln85					\$ 2.1128 \$ 2.1128 \$ 903.0937	

## SOUTH DAKOTA

	Source	Source	Source	Source	Source	377C Investment	2124 Investment
	from: SCM Features Columns C+E	from: Inputs	from: SCM Cust Ring 2nd Columns C+E	from: SCM Cust Ring 3rd Columns C+E	from: SCM UCD Features Columns C+E	Total to: WINPC3 Investments Tab	Total to: WINPC3 Investments Tab
Network Speed Call Night Service Arrangement Outgoing Calls Barred Outgoing Trunk Queuing Privacy Release Query Time Speed Calling 1 Digit Controller Speed Calling 1 Digit User Speed Calling 2 Digit User Speed Calling 2 Digit Controller Speed Calling 2 Digit User Speed Calling 2 Digit User Speed Calling 30 Number Speed Calling 8 Number Speed Calling 8 Number Station Camp-On Service - per main station Station Message Detail Recording (SMDR) Three Way Calling Time and Date Display Time of Day Control for ARS - per system Time of Day Routing - per line Toll Restriction Service Trunk Answer Any Station Trunk Verification from Designated Station UCD with Music After Delay	Ln39 Ln44 Ln102 Ln40 Ln83 Ln84 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln103 Ln105 Ln42 Ln44 Ln45 Ln85 Ln21+Ln104	G129,130,131			Ln3+Ln5+Ln6 Ln5+Ln6	\$ 0.0121 \$ 0.0641 \$ 0.0212 \$ 2.3420 \$ 0.1245 \$ 6.9020 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.3950 \$ 0.4950 \$ 0.3950 \$ 0.3950 \$ 0.2950 \$ 0.2024 \$ 0.205 \$ 2.2969 \$ 0.2024 \$ 0.0641 \$ - \$ 320.1219 \$ 211.0895	\$ 0.3882
(a) = Ln7+Ln14+Ln26+Ln27+Ln28+Ln34+Ln38+Ln59+ Ln60+Ln61+Ln62	\$ 22.5517						
(b) = 63+Ln64+Ln65+Ln66+Ln83+Ln84+Ln108+Ln109	\$ 31.7028						

Ln110+Ln111+Ln114

Total to: WINPC3 Investments Tab

Total to: WINPC3 Investments Tab

Total to: WINPC3 Investments Tab

Total to: WINPC3 Investments Tab

0.0524

	Α	В	С	D	E	F
1	Investment					
2	STUDY	SGAT FEATURES	e ye yagaraga ar , ee e E E E E E E E E E E E E E E E E			[
3	DATE	5/7/02				
4	GROUP	10XXX Direct Dialed Blo	cking			-
5	LOADED	SD	0.0286040948	0.	0.	377C
6	GROUP	Account Codes - per syst	em			
7	LOADED	SD	292.7793721328	0.	0.	377C
8	GROUP	Attendant Access Line - p	oer station line			
9	LOADED	SD	0.2339898885	0.	0.	377C
10	GROUP	Audible Message Waiting	]		i	
11	LOADED	SD	2.1127970487	0.	0.	377C
12	GROUP	Authorization Codes - pe	r system	l Long		
13	LOADED	SD	123.0424553908	0.	0.	377C
14	GROUP	Auto Callback	<u> </u>		ļ	
15	LOADED	SD	0.3163682349	0.	0.	377C
16	GROUP	Automatic Line				
17	LOADED	SD	0.	0.		377C
18	GROUP	Automatic Route Selection	on - Common Equip	, pe		
19	LOADED	SD	84.1903247683	0.	0.	377C
20	GROUP	Blocking of pay per call s	ervices			
21	LOADED	SD	1.2874807869	0.	0.	377C
22	GROUP	Bridging				
23	LOADED	SD	0.0154332793	0.	0.	377C
24	GROUP	Call Drop	p = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
25	LOADED	SD	0.0035807712	0.	0.	377C
26	GROUP	Call Exclusion - Automat	grand and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se	1		
27	LOADED	SD	0.0000773379	0.	0.	377C
28	GROUP	Call Exclusion - Manual				
29	LOADED	SD	0.0000773379	0.	0.	377C
30	GROUP	Call Forward Don't Answ	grand the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second			1
31	LOADED	SD	2.3204442591	0.	0.	377C
32		Call Forwarding Incoming	5 <del></del>	ļ		ļ
33	LOADED	SD	0.2393763424	0.	0.	377C
34	GROUP	Call Forwarding Intra Gro	oup Only			

	Α	В	С	D	Е	F
35	LOADED	SD	0.2093282818	0.	0.	377C
36	GROUP	Call Forwarding Variable	Remote			
37	LOADED	SD	1.5836614175	0.	0.	377C
38	GROUP	Call Forwarding: Busy Lir	ne (Expanded)			
39	LOADED	SD	0.7456667938	0.	0.	377C
40	GROUP	Call Forwarding: Busy Lir	ne (External)			
41	LOADED	SD	0.7456667938		0.	377C
42	GROUP	Call Forwarding: Busy Lir	ne (External) Don't	Ans	wer	
43	LOADED	SD	3.0661110529	0.	0.	377C
44	GROUP	Call Forwarding: Busy Lir	ne (Overflow)			i I
45	LOADED	SD	0.7456667938	0.		377C
46	GROUP	Call Forwarding: Busy Lir	ne (Overflow) Don't	Ans	swer	
47	LOADED	SD	3.0661110529	0.	0.	377C
48	GROUP	Call Forwarding: Busy Lir	ne (Programmable)			
49	LOADED	SD	1.061792489	0.	0.	377C
50	GROUP	Call Forwarding: Busy Lir	ne/Don't Answer (E	xpa	nded	d)
51	LOADED	SD	3.0661110529	0.	0.	377C
52	GROUP	Call Forwarding: Don't Ar	nswer	-		İ
53	LOADED	SD	2.3204442591	0.	0.	377C
54	GROUP	Call Forwarding: Don't Ar	nswer (Expanded)			
55	LOADED	SD	2.3204442591	0.	0.	377C
56	GROUP	Call Forwarding: Don't Ar	nswer (Programma	ble)		
57	LOADED	SD	2.1657881874	0.	0.	377C
58	GROUP	Call Forwarding: Variable	)			
59	LOADED	SD	1.2052431216	0.	0.	377C
60	GROUP	Call Forwarding: Variable	e - no call complete	opti	on	
61	LOADED	SD	1.2052431216	0.	0.	377C
62	GROUP	Call Hold		1	<u> </u>	
63	LOADED	SD	0.3269010176	0.	0.	377C
64	GROUP	Call Hold/3-Way/Call Tra	nsfer			1
65	LOADED	SD	9.9048824346	0.	0.	377C
66	GROUP	Call Park (Basic - Store 8	& Retrieve)	1	1	
67	LOADED	SD	0.7480471261	0.	0.	377C
68	GROUP	Call Pickup			1	

	Α	В	С	D	Е	F
69	LOADED	SD	0.2873795507	0.	0.	377C
70	GROUP	Call Transfer				
71	LOADED	SD	9.9048824346	0.	0.	377C
72	GROUP	Call Waiting Dial Originat	ing	!		
73	LOADED	SD	0.4316346107	0.	0.	377C
74	GROUP	Call Waiting Indication - p	per timing state			
75	LOADED	SD	15.5098415863	0.	0.	377C
76	GROUP	Call Waiting Originating				
77	LOADED	SD	0.8562288138	0.	0.	377C
78	GROUP	Call Waiting Terminating	- All Calls			
79	LOADED	SD	1.7156635075	0.	0.	377C
80	GROUP	Call Waiting Terminating	- Incoming Only			
81	LOADED	SD	1.7156635075	0.	0.	377C
82	GROUP	Call Waiting/ Cancel Call	Waiting			
83	LOADED	SD	2.7463923355	0.	0.	377C
84	GROUP	Centrex Plus DID numbe	rs per number		İ	
85	LOADED	SD	1.5921492024	0.	0.	377C
86	GROUP	Centrex Plus to Centrex I	Plus			
87	LOADED	SD	204.0224570838	0.	0.	377C
88	GROUP	Centrex Plus to IC Carrie	,			
89	LOADED	SD	204.0224570838	0.	0.	377C
90	GROUP	Centrex Plus to PBX/Key				
91	LOADED	SD	204.0224570838	0.	0.	377C
92	GROUP	Centrex Plus to PBX/Key	encountry of the contract of the encountry of	 	1 1 4	
	LOADED	SD	204.0224570838	0.	0.	377C
94	GROUP	CFBL - All Calls				 
95	LOADED	SD	0.7456667938	0.	0.	377C
96	GROUP	CFBL - Incoming Only		ļ ļ	ļ	
97	LOADED	SD	0.7456667938	0.	0.	377C
98	GROUP	CFDA Incoming Only			ļ	
99	LOADED	SD	0.3262693882	0.	0.	377C
	GROUP	CLASS - Anonymous Ca	,	ļ <u>-</u>	ļ	=
	LOADED	SD	10.0729228063	0.	0.	377C
102	GROUP	CLASS - Call Waiting ID	8	:	<u> </u>	:

	Α	В	С	D	E	F
103	LOADED	SD	1.1999160269	0.	0.	377C
104	GROUP	CLASS - Calling Name &	Number			1
105	LOADED	SD	13.7990357385	0.	0.	377C
106	GROUP	CLASS - Calling Number	Delivery			
107	LOADED	SD	1.8666107974	0.	0.	377C
108	GROUP	CLASS - Calling Number	Delivery - Blocking	]		
109	LOADED	SD	11.1881237334	0.	0.	377C
110	GROUP	CLASS - Continuous Red	dial			
111	LOADED	SD	8.8185062859	0.	0.	377C
112	GROUP	CLASS - Last Call Return	1			
113	LOADED	SD	2.6423254662	0.	0.	377C
114	GROUP	CLASS - Priority Calling				
115	LOADED	SD	4.767451781	0.	0.	377C
116	GROUP	CLASS - Selective Call F	orwarding			
117	LOADED	SD	4.3257741859	0.	0.	377C
118	GROUP	CLASS - Selective Call F	Rejection			
119	LOADED	SD	9.9916860072	0.	0.	377C
120	GROUP	Custom Ringing First Lin	e (Short/Long/Shor	t)		
121	LOADED	SD	0.5252900288	0.	0.	377C
122	GROUP	Custom Ringing First Lin	e (Short/Short)			
123	LOADED	SD	0.5252900288	0.	0.	377C
124	GROUP	Custom Ringing First Lin	e (Short/Short/Long	3)		
125	LOADED	SD	0.5252900288	0.	0.	377C
126	GROUP	<b>Custom Ringing Second</b>	Line (Short/Long/S	Shor	t)	
127	LOADED	SD	0.4927220875	0.	0.	377C
128	GROUP	<b>Custom Ringing Second</b>	Line (Short/Short)			
129	LOADED	SD	0.4927220875	0.	0.	377C
130	GROUP	<b>Custom Ringing Second</b>	Line (Short/Short/L	ong	)	1
131	LOADED	SD	0.4927220875	0.	0.	377C
132	GROUP	Custom Ringing Third Lir	ne (Short/Long/Sho	ort)		
133	LOADED	SD	0.393967514	0.	0.	377C
134	GROUP	Custom Ringing Third Lir	ne (Short/Short)	1		
135	LOADED	SD	0.393967514	0.	0.	377C
136	GROUP	Custom Ringing Third Lir	ne (Short/Short/Lon	g)		1

	Α	В	С	D	E	F
137	LOADED	SD	0.393967514	0.	0.	377C
138	GROUP	Data Call Protection (DM	S 100)			
139	LOADED	SD	0.	0.	0.	377C
140	GROUP	Dir Sta Sel/Busy Lamp F	ld per arrangement			
141	LOADED	SD	69.1462812424	0.	0.	377C
142	GROUP	Directed Call Pickup with	Barge-in			
143	LOADED	SD	4.1312388269	0.	0.	377C
144	GROUP	Directed Call Pickup with	out Barge-in			
145	LOADED	SD	1.1351627647	0.	0.	377C
146	GROUP	Distinctive Ring/Distinctiv	e Call Waiting			
147	LOADED	SD	0.5368306306	0.	0.	377C
148	GROUP	Distinctive Ringing				
149	LOADED	SD	0.5252900288	0.	0.	377C
150	GROUP	EBS - Set Interface - per	station line			
151	LOADED	SD	54.25445663	0.	0.	377C
152	GROUP	Executive Busy Overide				
153	LOADED	SD	0.056497178	0.	0.	377C
154	GROUP	Expensive Route Warnin	g Tone- per system	1		
155	LOADED	SD	0.	0.	0.	377C
156	GROUP	Facility Restriction Level	- per system			
	LOADED	SD	0.	0.	0.	377C
	GROUP	Feature Display				<u> </u>
	LOADED	SD	0.0083108541	0.	0.	377C
	GROUP	Group Intercom				
	LOADED	SD	3.1681159735	0.	0.	377C
	GROUP	Hot Line - per line				
	LOADED	SD	2.2154381977	0.	0.	377C
	GROUP	Hunting: Multiposition Cir				
	LOADED	SD	7.8284273483	0.	0.	377C
	GROUP	Hunting: Multiposition Hu				
	LOADED	SD	6.1319092512	0.	0.	377C
	GROUP	Hunting: Multiposition Se		·-	1	
	LOADED	SD	7.8284273483	0.		377C
170	GROUP	Hunting: Multiposition wit	th Announcement ir	ı Qu	eue	Y

	A	В	С	D	Е	F
171	LOADED	SD	121.1764373318	0.	0.	377C
172	GROUP	Hunting: Multiposition wit	h Music in Queue			
173	LOADED	SD	41.6539582681	0.	0.	377C
174	GROUP	Incoming Calls Barred				
175	LOADED	SD	0.2830511318	0.	0.	377C
176	GROUP	International Direct Dial E	Blocking		!	
177	LOADED	SD	0.4510903091	0.	0.	377C
178	GROUP	ISDN Short Hunt				
179	LOADED	SD	19.7465822697	0.	0.	377C
180	GROUP	Line Side Answer Superv	/ision			
181	LOADED	SD	0.8163477805	0.	0.	377C
182	GROUP	Loudspeaker Paging - pe	er trunk group			
183	LOADED	SD	876.1068706576	0.	0.	377C
184	GROUP	Make Busy Arrangement	s - per group		1	
185	LOADED	SD	11.2994359732	0.	0.	377C
186	GROUP	Make Busy Arrangement	s - per line			
187	LOADED	SD	2.8248589933	0.	0.	377C
188	GROUP	Message Center - per ma	ain station line			
189	LOADED	SD	0.	0.	0.	377C
190	GROUP	Message Waiting Indicat	ion Audible/Visual			
191	LOADED	SD	2.1127970487	0.	0.	377C
192	GROUP	Message Waiting Visual	<u> </u>			
193	LOADED	SD	2.1127970487	0.	0.	377C
194	GROUP	Music On Hold - per syst	em			1
195	LOADED	SD	903.0936621216	0.	0.	377C
196	GROUP	Network Speed Call		1		
197	LOADED	SD	0.0120673553	0.	0.	377C
198	GROUP	Night Service Arrangeme	ent			
199	LOADED	SD	0.0641043909	0.	0.	377C
200	GROUP	Outgoing Calls Barred			1	
201	LOADED	SD	0.0212288372	0.	0.	377C
202	GROUP	Outgoing Trunk Queuing		-		
203	LOADED	SD	2.3419897761	0.	0.	377C
204	GROUP	Privacy Release				

	Α	В	С	D	Е	F
205	LOADED	SD	0.1245135218	0.	0.	377C
206	GROUP	Query Time				
207	LOADED	SD	6.9020092487	0.	0.	377C
208	GROUP	Speed Calling 1 Digit Cor				
209	LOADED	SD	0.3949747644	0.	0.	377C
210	GROUP	Speed Calling 1 Digit Use	∍r			
211	LOADED	SD	0.3949747644	0.	0.	377C
212	GROUP	Speed Calling 1# List Ind	ividual			
213	LOADED	SD	0.3949747644	0.	0.	377C
214	GROUP	Speed Calling 2 Digit Cor	ntroller			!
215	LOADED	SD	0.3949747644	0.	0.	377C
216	GROUP	Speed Calling 2 Digit Use	ər			
217	LOADED	SD	0.3949747644	0.	0.	377C
218	GROUP	Speed Calling 2# List Ind	lividual			
219	LOADED	SD	0.3949747644	0.	0.	377C
220	GROUP	Speed Calling 30 Numbe	r			1
221	LOADED	SD	0.3949747644	0.	0.	377C
222	GROUP	Speed Calling 8 Number				
223	LOADED	SD	0.3949747644	0.	0.	377C
224	GROUP	Station Camp-On Service	e - per main station			
225	LOADED	SD	322.3215408325	0.	0.	377C
226	GROUP	Station Message Detail F	Recording (SMDR)			1
227	LOADED	SD	0.9941	0.	0.	377C
228	LOADED	SD	0.3882049027	0.	0.	2124
	COMMON	SD	0.0523683155	0.	0.	
	GROUP	Three Way Calling	İ			
	LOADED	SD	9.9048824346	0.	0.	377C
	GROUP	Time and Date Display				ļ
	LOADED	SD	4.3181664893	0.	0.	377C
	GROUP	Time of Day Control for A	ARS - per system			
	LOADED	SD	0.	0.	0.	377C
	GROUP	Time of Day NCOS Upda	· · · · · · · · · · · · · · · · · · ·			
	LOADED	SD	0.2205035575	0.	0.	377C
238	GROUP	Time of Day Routing - pe	er line	<u> </u>		!

	Α	В	С	D	E	F
239	LOADED	SD	2.296893273	0.	0.	377C
240	GROUP	Toll Restriction Service				
241	LOADED	SD	0.2023815257	0.	0.	377C
242	GROUP	Trunk Answer Any Statio	n			
243	LOADED	SD	0.0641043909	0.	0.	377C
244	GROUP	Trunk Verification from D	esignated Station			
245	LOADED	SD	0.	0.	0.	377C
246	GROUP	UCD in hunt group - per l	ine			
247	LOADED	SD	320.1218955479	0.	0.	377C
248	GROUP	UCD with Music After De	lay			
249	LOADED	SD	211.0895155403	0.	0.	377C

	Α	В
1	Parameter	
2	SD	
3	7	
4	4	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6418	

# WINPC3 - of Inputs

	Α	В	С	D	E	F	G	Н	1	J	K	L	M	N
1	ACFIN				and the same			!			:			:
2	02SD01E										1		:	
3	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
4	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
5	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
6	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST

# WINPC3 AUF Inputs

	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z	AA	AB
1			1		- Andrews				!					
2														
3	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
4	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL
5	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL
6	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL

	Α	В	С	D	E	F	G	Н	·	J	К	L	М
1	ACFOUT	Factors For	r: Interconi	nection					i L		<u> </u>	1	
2	-Run Don	e With Databa	se Vintage: (	02SD01E, Da	ted: 04/08/02								.1
3	-Wholesa	le Cost Progra	am (TELRIC)	Data Base re	eleased 04/02 (	02SD01E).							
4	-Factors I	oaded from F	actors Mode	l (Expense M	odule), Versio	n 02V1.		! 		; ;			
5	-CAPITAL	RECOVERY	factors relea	sed 04/02 and	d based on 10.	14% Cost		ļ				1	
6	Of Mone	y. No 1-10 yea	ar factors de	veloped.								l	: :
7	-MAINTEI	VANCE factor	s released 02	2/02.					: : * · · · · · · · · · · · · · · · · · · ·		1		
8	-RTU fact	ors released (	02/01.								l	l	
9	-AD VALO	DREM Tax rele	eased 02/02.						i > :	<u> </u>	<u>.</u>		i
10	-DIRECTI	Y ASSIGNED	expense fac	tors released	04/02.		,						
11	-BUSINES	SS FEES relea	sed 04/02.					! 	:		: 		
12	-соммо	N Expense rel	eased 04/02.						 	<u> </u>			i
13	-TOTAL I	NSTALLED FA	ACTORS (TIF	) released 01	/01.								
14	-POWER	investment fa	ctors release	ed 01/01.									
15	-SALES 1	'AX released (	01/01.	1		de		ļ		L			
16	-TELCO I	Engineering fa	ctors release	ed 01/01.									
17	-INTERES	ST DURING CO	ONSTRUCTIO	ON released (	01/01.								
18		ND BUILDING						ļ		4			
19		Y ATTRIBUT			eased 04/02.				i 				
20		XPENSE fact			<u> </u>			I					
21		CT MANAGEM			?.				ļ				
22	-BILLING	& COLLECTION	ON factor rei	eased 01/01.							.1		
23	-PROVIS	ONING factor	s released 01	1/01.							ļ	ļ	1
24	-TELEPH	ONE PLANT I	NDEX release	ed 01/01.							ļ		1
25	-STRUCT	URE RATIO re	eleased 01/0	1.					<u> </u>	1	i	į.	

## WINPC3 A. Outputs

Ī	Α	В	С	D	E	F	G	Н	l	J	K	L	М	N	0
37				F			- ALAN			:				:	
38	State:	South Dake	ota								· · · · · · · · · · · · · · · · · · ·			!	
39															
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST
41	377C	0.108910	0.045445	0.017186	0.010018	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742

# WINPC3 Acr Outputs

	Р	Q	R	S	T	U	V	W	Х	Υ	Z	AA	AB
37													1
38													1
39													
40	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
41	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
42	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
43	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
44	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064

# **Section 3**

# **Source Data**

# **SOURCE DATA**

The purpose of the Source Data section is to facilitate replication of SCM feature investment outputs and define the process for creating feature costs per port.

The worksheets labeled "SCM Instructions" provide process descriptions. Detailed action steps will allow even the novice user to access the SCM Module with confidence. Each project sheet has a corresponding set of "SCM Instructions" so that all steps are fully explained.

The "Input" worksheets also contain the specific feature inputs that were used in this study. Running the SCM program with these inputs and the current study data records will result in identical results.

Each "Project Sheet" worksheet includes those same feature inputs in pre-formatted form, so that they are nearly ready to run through the SCM Features Module. Users will need to create a new Excel file, name a worksheet "Project Sheet - F", and copy the entire project sheet contents to this sheet. At that point the new file can be used as an input to the SCM Features Module. This will expedite the process by eliminating the initial time-consuming step of keying in every input parameter.

Investments produced in SCM become inputs to the Windows Personal Cost Calculator (WINPC3) Cost Program. WINPC3 produces monthly TELRIC+Common costs for every feature.

The worksheet "WINPC3 Output - Values" contains monthly feature costs without formulas (values only) and without hidden rows and columns.

The "Line Totals" worksheet contains state-wide working line data by CLLI code.

The "DALPS" worksheets compute the total statewide feature cost (exluding those features in the Premium Port) by multiplying the number of subscribers for those features times the TELRIC+Common cost of those same features.

To achieve the **Feature Cost Per Port**, the statewide feature cost is divided by the number of working lines in that state.

For a comprehensive overview of the cost study process, consult the "Model Description" and "Model Definitions" worksheets.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe

In the 'Type Of Data' list box, select the correct data directory

In the 'Keep States Separate' box, select 'Yes'

In the 'Weight Hosts & Remotes Together' box, select 'Yes'

In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight sSW102a1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight sSW202a1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight ssw302a1.mdb

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'BASIC CENTRON'

In the 'Feature Name' list box, select 'Dial 0'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Dial 0 Call Attempts per Dial 0 Line'

In the 'Enter New Input' box, enter '0.58' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'BASIC CENTRON'

In the 'Feature Name' list box, select 'Direct Inward Dialing'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour DID Call Attempts per DID Line'

In the 'Enter New Input' box, enter '1.456' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Automatic Route Selection - Circuit Switched Voice - Time of Day Routing'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Automatic Route Selection Attempts per ARS Line'

In the 'Enter New Input' box, enter '1' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Forward - Reason Display'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Terminating CF-RD Call Attempts per CF-RD Line'

In the 'Enter New Input' box, enter '0.308' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Called Name Display - Customer Activated'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per Calling Name Delivery Line'

In the 'Enter New Input' box, enter '0.0001' and click OK

In the 'Feature Inputs' list box, select 'BH Calling Name Delivery Term. Call Att's per CNAMD Line'

In the 'Enter New Input' box, enter '1.12' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per Calling Name Delivery Line'

In the 'Enter New Input' box, enter '0.0001' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW2 Lines with CND or BCLID or MWI or CNAMD'

In the 'Enter New Input' box, enter '25' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Waiting - Originating'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour CW-Originating Call Attempts per CW-Originating Line'

In the 'Enter New Input' box, enter '0.075' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Waiting - Terminating'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour CW-Terminating Call Attempts per CW-Terminating Line'

In the 'Enter New Input' box, enter '0.15' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Data Call Protection'

In the 'Label Used on Outputs' box, select 'Line'

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Dial Call Waiting'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Dial Call Waiting Call Attempts per DCW Line'

In the 'Enter New Input' box, enter '0.0075' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Distinctive Call Waiting'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Distinctive CW Term. Call Attempts per DCWT Line'

In the 'Enter New Input' box, enter '0.001' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Distinctive Ringing'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Line with Distinctive Ringing'

In the 'Enter New Input' box, enter '0.5' and click OK

In the 'Feature Inputs' list box, select 'Percent of Term. Call Attempts that get Distinctive Ringing'

In the 'Enter New Input' box, enter '100' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'DSS - Busy Lamp Field for Business Set'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour DSS-BLF Call Attempts per Line'

In the 'Enter New Input' box, enter '52' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Executive Busy Override - Originator'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Executive Busy Override - Orig. Call Att. per EBO Line'

In the 'Enter New Input' box, enter '0.01' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Expensive Route Warning Tone for ARS'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour ERWT Activations per Automatic Route Selection Line'

In the 'Enter New Input' box, enter '30' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Facility Restriction Level Screening'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour FRL Screening Activations per FRL Screening Line'

In the 'Enter New Input' box, enter '60' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Fast Transfer for MBS'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Fast Transfer Attempts per Fast Transfer Line'

In the 'Enter New Input' box, enter '0.22' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Group Intercom - All Calls'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour GIC-ALL Call Attempts per Line'

In the 'Enter New Input' box, enter '0.5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Group Intercom - Inter GIC Call'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Dialed Intercom Attempts per Dialed Intercom Line'

In the 'Enter New Input' box, enter '0.5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Loudspeaker Paging - Analog Trunk'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'BH Terminating Call Attempts per Loudspeaker Paging Analog Trunk'

In the 'Enter New Input' box, enter '23' and click OK

In the 'Feature Inputs' list box, select 'Loudspeaker Paging Analog Trunk or Ofc. Holding Time (CCS/Call)'

In the 'Enter New Input' box, enter '0.087' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Make Set Busy - Intragroup'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour MSB All Call Attempts per MSB Line'

In the 'Enter New Input' box, enter '2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Message Waiting Indication with SS7'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour MWI Activations per Message Waiting Indication Line'

In the 'Enter New Input' box, enter '0.072' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Message Waiting Set'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Message Waiting Retrieval Attempts per MWS Set'

In the 'Enter New Input' box, enter '0.5' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Message Waiting Call Attempts per MWS Set'

In the 'Enter New Input' box, enter '0.5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Music On Hold - Digital Trunk'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '10' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Music On Hold Attempts per MOH Line/System'

In the 'Enter New Input' box, enter '134' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Music On Hold for P-Phones'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Music On Hold Attempts per MOH Line'

In the 'Enter New Input' box, enter '0.001' and click OK

In the 'Feature Inputs' list box, select 'Average Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Network Speed Call'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Network Speed Call Attempts per NSC Line'

In the 'Enter New Input' box, enter '0.02' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Station Camp On for Meridian Business Sets'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Camp On Call Attempts per Camp On Line'

In the 'Enter New Input' box, enter '10' and click OK

In the 'Feature Inputs' list box, select 'Average Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Three Way Calling'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour 3WC Call Attempts per 3WC Line'

In the 'Enter New Input' box, enter '0.1575' and click OK

In the 'Feature Inputs' list box, select '3WC or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.6' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Time of Day NCOS'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour TOD - NCOS Term. Call Attempts Line'

In the 'Enter New Input' box, enter '0.67' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Trunk Answer Any Station'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Trunk Answer Any Station Call Attempts per TAAS Line'

In the 'Enter New Input' box, enter '0.01' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Trunk Verification From a Designated Station'

In the 'Label Used on Outputs' box, select 'Line'

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Business Set Call Forward on a per Key Basis'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per CFK Line'

In the 'Enter New Input' box, enter '0.0358' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour CFK Call Attempts per CFK Line'

In the 'Enter New Input' box, enter '0.104' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per CFK Line'

In the 'Enter New Input' box, enter '0.0358' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Business Set Inspect Key'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Inspect Attempts per Inspect Line'

In the 'Enter New Input' box, enter '0.001' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Key Short Hunt'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Key Short Hunt Term. Call Attempts per EBS Line'

In the 'Enter New Input' box, enter '0.5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Multiple Executive Message Waiting Keys per DN'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Mult Exec Msg Wtg Key Call Attempts per DN Line'

In the 'Enter New Input' box, enter '0.5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Origination/Termination Line Select - Idle Line Select'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Originating Line Select Attempts per DN Line'

In the 'Enter New Input' box, enter '1.12' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Origination/Termination Line Select - Incoming Call Select'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Terminating Call Select Attempts per DN Line'

In the 'Enter New Input' box, enter '0.96' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'EBS'

In the 'Feature Name' list box, select 'Origination/Termination Line Select - No Line Select'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Terminating No Line Select Attempts per DN Line'

In the 'Enter New Input' box, enter '1.12' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'FCC'

In the 'Feature Name' list box, select 'Calling Number Delivery (ICLID) - Permanent'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour CND Term. Call Attempts per CND Line'

In the 'Enter New Input' box, enter '0.96' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW2 Lines with CND or BCLID or MWI or CNAMD'

In the 'Enter New Input' box, enter '25' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'System Music On Hold - Digital Trunk'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '1' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour System Music On Hold Attempts per SMOH Line/System'

In the 'Enter New Input' box, enter '134' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Automatic Callback Calling/Ring Again'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Ring Again Call Attempts per Ring Again Line'

In the 'Enter New Input' box, enter '0.001' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Ring Again Deactvations per Ring Again Line'

In the 'Enter New Input' box, enter '0.0001' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Hot Line'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Hot Line Attempts per Line'

In the 'Enter New Input' box, enter '1' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Account Codes'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Account Code Call Attempts per Line'

In the 'Enter New Input' box, enter '155' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Authorization Codes'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Authorization Code Call Attempts per Line'

In the 'Enter New Input' box, enter '40' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Privacy Release'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Privacy Release Call Attempts per MADN SCA Private Line'

In the 'Enter New Input' box, enter '0.01' and click OK

In the 'Feature Inputs' list box, select 'Holding time per Privacy Release Call'

In the 'Enter New Input' box, enter '1.2' and click OK

In the 'Feature Inputs' list box, select 'Percentage of Calls that Bridge after PR Activated'

In the 'Enter New Input' box, enter '10' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Query Time'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per Query Time Call'

In the 'Enter New Input' box, enter '1.2' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Query Time Call Attempts per'

In the 'Enter New Input' box, enter '0.05' and click OK Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'MODEL'

In the 'Feature Name' list box, select 'Uniform Call Distribution'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour per UCD Call Attempts per UCD Line'

In the 'Enter New Input' box, enter '12.2181' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'TRUNK'

In the 'Feature Name' list box, select 'Digital Private Facilities Acc-Origination Ofc (L-T)'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'BH Originating Private Facility Access Att's/Private Fac Trunk'

In the 'Enter New Input' box, enter '5.54' and click OK

In the 'Feature Inputs' list box, select 'Number of Digits in Private Facility Access Code'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Average Number of Digits Dialed after PF Access Code'

In the 'Enter New Input' box, enter '6.5' and click OK

In the 'Feature Inputs' list box, select 'Private Facility Access or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.8' and click OK

In the 'Feature Inputs' list box, select 'Average Number of Outpulsed Digits Dialed after PF Access Code'

In the 'Enter New Input' box, enter '0' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'TRUNK'

In the 'Feature Name' list box, select 'Digital Private Facilities Acc-Termination Ofc (T-L)'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'BH Terminating Private Facility Access Att's/Private Fac Trunk'

In the 'Enter New Input' box, enter '5.54' and click OK

In the 'Feature Inputs' list box, select 'Private Facility Access or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.8' and click OK

In the 'Feature Inputs' list box, select 'Average Number of Digits Inpulsed to Terminating Office'

In the 'Enter New Input' box, enter '6.58' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Speed Call Long - Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per SCL Line'

In the 'Enter New Input' box, enter '0.0001' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Speed Call Attempts per SCL Line'

In the 'Enter New Input' box, enter '0.0703' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Busy Line - IEO Customer NonChangeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO CF-BL Call Attempts per IEO CF-BL Line'

In the 'Enter New Input' box, enter '0.15' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Don't Answer: IEO Customer NonChangeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO CF-DA Call Attempts per IEO CF-DA Line'

In the 'Enter New Input' box, enter '0.2821' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Hold'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Hold Call Attempts per Call Hold Line'

In the 'Enter New Input' box, enter '0.018' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Park Retrieve'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Park Call Attempts per Call Park Line'

In the 'Enter New Input' box, enter '0.01' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Park Store'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Park Call Attempts per Call Park Line'

In the 'Enter New Input' box, enter '0.01' and click OK

In the 'Feature Inputs' list box, select 'Call Park or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Call Pickup'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Pickup Call Attempts per Call Pickup Line'

In the 'Enter New Input' box, enter '0.0328' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Message Waiting Indication Audible/Visual'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour MWI Activations per Message Waiting Indication Line'

In the 'Enter New Input' box, enter '0.2145' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Call Waiting ID (Name & Number with SS7)'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Calling Name Delivery Line'

In the 'Enter New Input' box, enter '0.08' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Calling Number Delivery - IEO Permanent'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO CND Term. Call Attempts per IEO CND Line'

In the 'Enter New Input' box, enter '1' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW2 Lines with CND or BCLID or MWI or CNAMD'

In the 'Enter New Input' box, enter '10.1936' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Calling Number Delivery Blocking - IAO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour CNDB Call Attempts per CNDB Line'

In the 'Enter New Input' box, enter '1.2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Calling Number Delivery Blocking - IEO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour CNDB Call Attempts per CNDB Line'

In the 'Enter New Input' box, enter '1.2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Continuous Redial - IAO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IAO Continuous Redial Term. Call Att's per IAO CR Line'

In the 'Enter New Input' box, enter '0.0325' and click OK

In the 'Feature Inputs' list box, select 'Percent Continuous Redial Calls that are Delay Processed'

In the 'Enter New Input' box, enter '100' and click OK

In the 'Feature Inputs' list box, select 'Percent of Working Lines with Cont. Redial or Last Call Return'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Continuous Redial - IEO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO Continuous Redial Term. Call Att's per IEO CR Line'

In the 'Enter New Input' box, enter '0.0759' and click OK

In the 'Feature Inputs' list box, select 'Percent Continuous Redial Calls that are Delay Processed'

In the 'Enter New Input' box, enter '100' and click OK

In the 'Feature Inputs' list box, select 'Percent of Working Lines with Cont. Redial or Last Call Return'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Last Call Return - IAO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IAO Last Call Return Term. Call Att's per IAO LCR Line'

In the 'Enter New Input' box, enter '0.0009' and click OK

In the 'Feature Inputs' list box, select 'Percent Last Call Return Calls that are Delay Processed'

In the 'Enter New Input' box, enter '17' and click OK

In the 'Feature Inputs' list box, select 'Percent of Working Lines with Cont. Redial or Last Call Return'

In the 'Enter New Input' box, enter '5' and click OK Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Last Call Return - IEO'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO Last Call Return Term. Call Att's per IEO LCR Line'

In the 'Enter New Input' box, enter '0.0022' and click OK

In the 'Feature Inputs' list box, select 'Percent Last Call Return Calls that are Delay Processed'

In the 'Enter New Input' box, enter '17' and click OK

In the 'Feature Inputs' list box, select 'Percent of Working Lines with Cont. Redial or Last Call Return'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Priority Calling'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Screen List Editing Accesses'

In the 'Enter New Input' box, enter '0.05' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Terminating Call Attempts per Line with Priority Call'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Priority Call Terminations per Priority Call Line'

In the 'Enter New Input' box, enter '0.1' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Auto Customer Station Rearrangement'

In the 'Enter New Input' box, enter '0.0001' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Priority Call'

In the 'Enter New Input' box, enter '1.5' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Remote Activation'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Acceptance'

In the 'Enter New Input' box, enter '0' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Forwarding'

In the 'Enter New Input' box, enter '1' and click OK

In the 'Feature Inputs' list box, select 'Pct. of All Lines with either Selective Call Rejection or UCR'

In the 'Enter New Input' box, enter '3.35' and click OK

In the 'Feature Inputs' list box, select 'Screen List Editing Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Screen List Editing Additions that are Interoffice'

In the 'Enter New Input' box, enter '70' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Selective Call Forwarding'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Screen List Editing Accesses'

In the 'Enter New Input' box, enter '0.05' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Terminating Call Attempts per Line with SCF'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour SCF Calls Forwarded/Line with SCF'

In the 'Enter New Input' box, enter '0.1' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Auto Customer Station Rearrangement'

In the 'Enter New Input' box, enter '0' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Priority Call'

In the 'Enter New Input' box, enter '1.5' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Remote Activation'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Acceptance'

In the 'Enter New Input' box, enter '0.0001' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Forwarding'

In the 'Enter New Input' box, enter '1' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Rejection'

In the 'Enter New Input' box, enter '3.35' and click OK

In the 'Feature Inputs' list box, select 'Screen List Editing Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Screen List Editing Additions that are Interoffice'

In the 'Enter New Input' box, enter '70' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Selective Call Rejection'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Screen List Editing Accesses'

In the 'Enter New Input' box, enter '0.05' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Terminating Call Attempts per Line with SCR'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Call Rejections per Line with SCR'

In the 'Enter New Input' box, enter '0.1' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Auto Customer Station Rearrangement'

In the 'Enter New Input' box, enter '0' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Priority Call'

In the 'Enter New Input' box, enter '1.5' and click OK

In the 'Feature Inputs' list box, select 'Percent of SW1 Lines with Remote Activation'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Acceptance'

In the 'Enter New Input' box, enter '0' and click OK

In the 'Feature Inputs' list box, select 'Percent of Lines with Selective Call Forwarding'

In the 'Enter New Input' box, enter '1' and click OK

In the 'Feature Inputs' list box, select 'Pct. of All Lines with either Selective Call Rejection or UCR'

In the 'Enter New Input' box, enter '3.35' and click OK

In the 'Feature Inputs' list box, select 'Screen List Editing Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Percent of Screen List Editing Additions that are Interoffice'

In the 'Enter New Input' box, enter '70' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Unidentified Caller Rejection - Acceptance & Rejection'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per UCR Line'

In the 'Enter New Input' box, enter '0.01' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Terminating Call Attempts per Line with UCR'

In the 'Enter New Input' box, enter '3' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per UCR Line'

In the 'Enter New Input' box, enter '0.001' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Call Rejections per Line with UCR'

In the 'Enter New Input' box, enter '0.1' and click OK

In the 'Feature Inputs' list box, select 'Average Number of UCR in Office'

In the 'Enter New Input' box, enter '5204' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Waiting'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Waiting Call Attempts per CW Line'

In the 'Enter New Input' box, enter '0.15' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Cancel Call Waiting'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Cancel Call Waiting Call Attempts per CCW Line'

In the 'Enter New Input' box, enter '0.15' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Busy Line - IAO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IAO CF-BL Line'

In the 'Enter New Input' box, enter '0.011' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IAO CF-BL Call Attempts per IAO CF-BL Line'

In the 'Enter New Input' box, enter '0.0213' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IAO CF-BL Line'

In the 'Enter New Input' box, enter '0.0077' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Busy Line - IEO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IEO CF-BL Line'

In the 'Enter New Input' box, enter '0.011' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IEO CF-BL Call Attempts per IEO CF-BL Line'

In the 'Enter New Input' box, enter '0.0213' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IEO CF-BL Line'

In the 'Enter New Input' box, enter '0.0077' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Don't Answer: IAO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IAO CF-DA Line'

In the 'Enter New Input' box, enter '0.0076' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IAO CF-DA Call Attempts per IAO CF-DA Line'

In the 'Enter New Input' box, enter '0.0831' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IAO CF-DA Line'

In the 'Enter New Input' box, enter '0.0077' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding-Don't Answer: IEO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IEO CF-DA Line'

In the 'Enter New Input' box, enter '0.0076' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IEO CF-DA Call Attempts per IEO CF-DA Line'

In the 'Enter New Input' box, enter '0.0831' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IEO CF-DA Line'

In the 'Enter New Input' box, enter '0.0043' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding Variable - IAO (Use with Remote Activation)'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IAO CFV Call Attempts per IAO CFV Line'

In the 'Enter New Input' box, enter '0.0911' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding Variable - IAO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IAO CFV Line'

In the 'Enter New Input' box, enter '0.0112' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IAO CFV Call Attempts per IAO CFV Line'

In the 'Enter New Input' box, enter '0.0911' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IAO CFV Line'

In the 'Enter New Input' box, enter '0.0043' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding Variable - IEO (Use with Remote Activation)'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour IEO CFV Call Attempts per IEO CFV Line'

In the 'Enter New Input' box, enter '0.0911' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Call Forwarding Variable - IEO Customer Changeable'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Activations per IEO CFV Line'

In the 'Enter New Input' box, enter '0.0112' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour IEO CFV Call Attempts per IEO CFV Line'

In the 'Enter New Input' box, enter '0.0911' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Deactivations per IEO CFV Line'

In the 'Enter New Input' box, enter '0.0043' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Distinctive Ringing'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Line with Distinctive Ringing'

In the 'Enter New Input' box, enter '2' and click OK

In the 'Feature Inputs' list box, select 'Percent of Term. Call Attempts that get Distinctive Ringing'

In the 'Enter New Input' box, enter '50' and click OK

In the 'Feature Inputs' list box, select 'Number of Secondary Phone Numbers'

In the 'Enter New Input' box, enter '1' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CLASS'

In the 'Feature Name' list box, select 'Calling Name and Number (SS7 included)'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Line'

In the 'Enter New Input' box, enter '0.92' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select '10XXX Split Blocking'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour 10XXX Split Blocking Attempts per 10XXX SB'

In the 'Enter New Input' box, enter '0.05' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Block Pay per Use Features'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Percent of All Lines with Block Pay per Use Feature'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'MADN Bridging - 3WC'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour MADN Bridging Call Attempts per MADN Line'

In the 'Enter New Input' box, enter '0.001443' and click OK

In the 'Feature Inputs' list box, select 'MADN Bridging or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '0.36' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN BASIC'

In the 'Feature Name' list box, select 'Auto Drop'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Auto Drop Attempts per Auto Drop Line'

In the 'Enter New Input' box, enter '0.00481' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN MADN'

In the 'Feature Name' list box, select 'MADN - Automatic Exclusion'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Automatic Exclusion Call Att's per Auto Exclusion Line'

In the 'Enter New Input' box, enter '0.000144' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN MADN'

In the 'Feature Name' list box, select 'MADN - Manual Exclusion'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Manual Exclusion Call Att's per Manual Exclusion Line'

In the 'Enter New Input' box, enter '0.000144' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Call Forwarding - Incoming Only'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Attempts'

In the 'Enter New Input' box, enter '0.05' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Call Forwarding Intra Group Only (Use with Remote Activation Feature)'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Call Attempts'

In the 'Enter New Input' box, enter '0.011' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Call Forwarding Variable - IAO (Use with Remote Activation)'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour IAO CFV Call Attempts per IAO CFV Line'

In the 'Enter New Input' box, enter '0.0911' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Call Forwarding-Don't Answer: Incoming Only'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour IAO CF-DA Call Attempts per IAO CF-DA Line'

In the 'Enter New Input' box, enter '0.09' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Directed Call Pickup with Barge-in'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour DCPU-BI Call Attempts per DCPU-BI Line'

In the 'Enter New Input' box, enter '0.075' and click OK

In the 'Feature Inputs' list box, select 'DCPU-BI or Office Holding Time (CCS per Call)'

In the 'Enter New Input' box, enter '1.6' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Directed Call Pickup without Barge-in'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Directed Call Pickup Call Attempts per DCPU Line'

In the 'Enter New Input' box, enter '0.15' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN BASIC'

In the 'Feature Name' list box, select 'Feature Display'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Feature Display Attempts per Feature Display Line'

In the 'Enter New Input' box, enter '0.0025' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Queuing for MUPH'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour MUPH Queuing Attempts per MUPH Line/System'

In the 'Enter New Input' box, enter '0.610904' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Multiline Hunt'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Multi-Line Hunt Term. Call Attempts per MLH Line'

In the 'Enter New Input' box, enter '12.21809' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Delayed Announcements for MUPH Queue'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '10' and click OK

In the 'Feature Inputs' list box, select 'BH Delayed Announcement Call Attempts per MUPH Queue System/Line'

In the 'Enter New Input' box, enter '0.610904' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Music in Queue - Multi-Position Hunt Group'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '10' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Music In Queue - MUPH Attempts per MUPH Line'

In the 'Enter New Input' box, enter '0.610904' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Incoming Calls Barred'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Incoming Call Attempts per Restricted Line'

In the 'Enter New Input' box, enter '0.1' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'International Direct Dial Blocking'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour International Dial Attempts per International Direct Dial Blocking L

In the 'Enter New Input' box, enter '0.05' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'FCC'

In the 'Feature Name' list box, select 'Answer Supervision - Line'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Answer Supervision Call Attempts per Line'

In the 'Enter New Input' box, enter '2' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Outgoing Calls Barred'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Outgoing Call Attempts per Restricted Line'

In the 'Enter New Input' box, enter '0.0075' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Outgoing Trunk Queuing Without Recorded Announcement'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Outgoing Trunk Queuing Attempts per Trunk'

In the 'Enter New Input' box, enter '0.610904' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'POTS'

In the 'Feature Name' list box, select 'Toll Restriction'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Toll Restricted Attempts per Toll Restriction Line'

In the 'Enter New Input' box, enter '0.0715' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN FEATURES'

In the 'Feature Name' list box, select 'Key Short Hunt'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Key Short Hunt Call Attempts per Key Short Hunt Group'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'ISDN BASIC'

In the 'Feature Name' list box, select 'Time and Date'

In the 'Label Used on Outputs' box, select 'per Line'

In the 'Feature Inputs' list box, select 'Busy Hour Time & Date Attempts per Time & Date Line'

In the 'Enter New Input' box, enter '5' and click OK

Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears.

Save the file if so desired.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe
In the 'Type Of Data' list box, select the correct data directory
In the 'Keep States Separate' box, select 'Yes'
In the 'Weight Hosts & Remotes Together' box, select 'Yes'
In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight sSW102a1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight sSW202a1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight ssw302a1.mdb
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'POTS'
In the 'Feature Name' list box, select 'Distinctive Ringing'
In the 'Label Used on Outputs' box, select 'per Line'
In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Line with Distinctive Ringing'
In the 'Enter New Input' box, enter '1.4' and click OK
In the 'Feature Inputs' list box, select 'Number of Secondary Phone Numbers'
In the 'Enter New Input' box, enter '2' and click OK
In the 'Feature Inputs' list box, select 'Percent of Term. Call Attempts that get Distinctive Ringing'
In the 'Enter New Input' box, enter '67' and click OK
Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears. Save the file if so desired.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe
In the 'Type Of Data' list box, select the correct data directory
In the 'Keep States Separate' box, select 'Yes'
In the 'Weight Hosts & Remotes Together' box, select 'Yes'
In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight sSW102a1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight sSW202a1.MDB
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight ssw302a1.mdb
In the list box in the upper right part of the screen, highlight QC 02 POTS STD H
Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'POTS'
In the 'Feature Name' list box, select 'Distinctive Ringing'
In the 'Label Used on Outputs' box, select 'per Line'
In the 'Feature Inputs' list box, select 'Busy Hour Term. Call Attempts per Line with Distinctive Ringing'
In the 'Enter New Input' box, enter '1.5' and click OK
In the 'Feature Inputs' list box, select 'Number of Secondary Phone Numbers'
In the 'Enter New Input' box, enter '3' and click OK
In the 'Feature Inputs' list box, select 'Percent of Term. Call Attempts that get Distinctive Ringing'
In the 'Enter New Input' box, enter '75' and click OK
Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears. Save the file if so desired.

To generate the investment results in this workbook, do as follows:

Run Scmfeat10.exe

In the 'Type Of Data' list box, select the correct data directory

In the 'Keep States Separate' box, select 'Yes'

In the 'Weight Hosts & Remotes Together' box, select 'Yes'

In the Investment Types box check the 'Direct - Category 1' and 'Direct - Category 2' boxes

In the 'Data Files' box, highlight sSW102a1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight sSW202a1.MDB

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Data Files' box, highlight ssw302a1.mdb

In the list box in the upper right part of the screen, highlight QC 02 POTS STD H

Press the 'Update Studies in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Message Waiting Indication with SS7'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour MWI Activations per Message Waiting Indication Line'

In the 'Enter New Input' box, enter '0.2145' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Music in Queue - Multi-Position Hunt Group'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '20' and click OK

In the 'Feature Inputs' list box, select 'Busy Hour Music In Queue - MUPH Attempts per MUPH Line'

In the 'Enter New Input' box, enter '12.2181' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Queuing for MUPH'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Busy Hour MUPH Queuing Attempts per MUPH Line/System'

In the 'Enter New Input' box, enter '12.2181' and click OK

Click the 'Add or Modify Feature in Project' button

In the 'Feature Group' list box, select 'CENTRON'

In the 'Feature Name' list box, select 'Delayed Announcements for MUPH Queue'

In the 'Label Used on Outputs' box, select 'Line'

In the 'Feature Inputs' list box, select 'Avg. number of Lines within Group (for \$/Line not \$/System)'

In the 'Enter New Input' box, enter '20' and click OK

In the 'Feature Inputs' list box, select 'BH Delayed Announcement Call Attempts per MUPH Queue System/Line'

In the 'Enter New Input' box, enter '12.2181' and click OK

Click the 'Add or Modify Feature in Project' button

Click on 'Excel Output' in the menu bar

When the calculations are complete, a 'Save As' dialog box appears.

Save the file if so desired.

# SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
BASIC CENTRON Dial 0	Busy Hour Dial 0 Call Attempts per Dial 0 Line	0.5800
BASIC CENTRON Direct Inward Dialing	Busy Hour DID Call Attempts per DID Line	1.4560
CENTRON Automatic Route Selection - Circuit Switched Voice - Time of Day Routing	Busy Hour Automatic Route Selection Attempts per ARS Line	1.0000
CENTRON Call Forward - Reason Display	Busy Hour Terminating CF-RD Call Attempts per CF-RD Line	0.3080
CENTRON Called Name Display - Customer Activated Called Name Display - Customer Activated Called Name Display - Customer Activated Called Name Display - Customer Activated	Busy Hour Activations per Calling Name Delivery Line BH Calling Name Delivery Term. Call Att's per CNAMD Line Busy Hour Deactivations per Calling Name Delivery Line Percent of SW2 Lines with CND or BCLID or MWI or CNAMD	0.0001 1.1200 0.0001 25.0000
CENTRON Call Walting - Originating	Busy Hour CW-Originating Call Attempts per CW-Originating Line	0.0750
CENTRON Call Waiting - Terminating	Busy Hour CW-Terminating Call Attempts per CW-Terminating Line	0.1500
CENTRON Data Call Protection	None	
CENTRON Dial Call Walting	Busy Hour Dial Call Waiting Call Attempts per DCW Line	0.0075
CENTRON Distinctive Call Waiting	Busy Hour Distinctive CW Term. Call Attempts per DCWT Line	0.0010
CENTRON Distinctive Ringing Distinctive Ringing	Busy Hour Term. Call Attempts per Line with Distinctive Ringing Percent of Term. Call Attempts that get Distinctive Ringing	0.5000 100.0000
CENTRON DSS - Busy Lamp Field for Business Set	Busy Hour DSS-BLF Call Attempts per Line	52.0000
CENTRON Executive Busy Override - Originator	Busy Hour Executive Busy Override - Orig. Call Att. per EBO Line	0.0100
CENTRON Expensive Route Warning Tone for ARS	Busy Hour ERWT Activations per Automatic Route Selection Line	30.0000
CENTRON Facility Restriction Level Screening	Busy Hour FRL Screening Activations per FRL Screening Line	60.0000
CENTRON Fast Transfer for MBS	Busy Hour Fast Transfer Attempts per Fast Transfer Line	0.2200
CENTRON Group Intercom - All Calls	Busy Hour GIC-ALL Call Attempts per Line	0.5000
CENTRON Group Intercom - Inter GIC Call	Busy Hour Dialed intercom Attempts per Dialed intercom Line	0.5000
CENTRON Loudspeaker Paging - Analog Trunk Loudspeaker Paging - Analog Trunk	BH Terminating Call Attempts per Loudspeaker Paging Analog Trunk Loudspeaker Paging Analog Trunk or Ofc. Holding Time (CCS/Call)	23.0000 0.0870
CENTRON Make Set Busy - Intragroup	Busy Hour MSB All Call Attempts per MSB Line	2.0000
CENTRON		

## SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Message Waiting Indication with SS7	Busy Hour MWI Activations per Message Waiting Indication Line	0.0720
CENTRON		
Message Waiting Set	Busy Hour Message Waiting Retrieval Attempts per MWS Set	0.5000
Message Waiting Set	Busy Hour Message Waiting Call Attempts per MWS Set	0.5000
CENTRON		
Music On Hold - Digital Trunk	Avg. number of Lines within Group (for \$/Line not \$/System)	10.0000
Music On Hold - Digital Trunk	Busy Hour Music On Hold Attempts per MOH Line/System	134.0000
CENTRON Music On Held for B Phones	Pure Hour Music On Hold Attempts per MOH Line	0.0010
Music On Hold for P-Phones  Music On Hold for P-Phones	Busy Hour Music On Hold Attempts per MOH Line  Average Office Holding Time (CCS per Call)	1.2000
	, , , , , , , , , , , , , , , , , , ,	
CENTRON	Port Handle Revent Coll Attended and NOO Han	0.0000
Network Speed Call	Busy Hour Network Speed Call Attempts per NSC Line	0.0200
CENTRON	Dec. 11 and Company Co. Co. II Minerarchic and Company Co. I I for	, 40,000
Station Camp On for Meridian Business Sets Station Camp On for Meridian Business Sets	Busy Hour Camp On Call Attempts per Camp On Line Average Office Holding Time (CCS per Call)	10.0000 1.2000
Station Camp On for Mendian business Sets	Average Office Holding Time (CCS per Call)	1.2000
POTS		
Three Way Calling	Busy Hour 3WC Call Attempts per 3WC Line	0.1575
Three Way Calling	3WC or Office Holding Time (CCS per Call)	1.6000
CENTRON		
Time of Day NCOS	Busy Hour TOD - NCOS Term. Call Attempts Line	0.6700
CENTRON		
Trunk Answer Any Station	Busy Hour Trunk Answer Any Station Call Attempts per TAAS Line	0.0100
CENTRON		
Trunk Verification From a Designated Station	None ·	
EBS		
Business Set Cali Forward on a per Key Basis	Busy Hour Activations per CFK Line	0.0358
Business Set Call Forward on a per Key Basis	Busy Hour CFK Call Attempts per CFK Line	0.1040
Business Set Call Forward on a per Key Basis	Busy Hour Deactivations per CFK Line	0.0358
EBS		
Business Set Inspect Key	Busy Hour Inspect Attempts per Inspect Line	0.0010
EBS		
Key Short Hunt	Busy Hour Key Short Hunt Term. Call Attempts per EBS Line	0.5000
EBS		
Multiple Executive Message Waiting Keys per DN	Busy Hour Mult Exec Msg Wtg Key Call Attempts per DN Line	0.5000
EBS		
Origination/Termination Line Select - Idle Line Select	Busy Hour Originating Line Select Attempts per DN Line	1.1200
EBS		
Origination/Termination Line Select - Incoming Call Select	Busy Hour Terminating Call Select Attempts per DN Line	0.9600
EBS		
Origination/Termination Line Select - No Line Select	Busy Hour Terminating No Line Select Attempts per DN Line	1.1200
FCC		
Calling Number Delivery (ICLID) - Permanent	Busy Hour CND Term. Call Attempts per CND Line	0.9600
Calling Number Delivery (ICLID) - Permanent	Percent of SW2 Lines with CND or BCLID or MWI or CNAMD	25.0000
ISDN FEATURES	•	
System Music On Hold - Digital Trunk	Avg. number of Lines within Group (for \$/Line not \$/System)	1.0000
System Music On Hold - Digital Trunk	Busy Hour System Music On Hold Attempts per SMOH Line/System	134.0000
ISDN FEATURES		

## SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Automatic Caliback Calling/Ring Again Automatic Caliback Calling/Ring Again	Busy Hour Ring Again Call Attempts per Ring Again Line Busy Hour Ring Again Deactvations per Ring Again Line	0.0010 0.0001
MODEL Hot Line	Busy Hour Hot Line Attempts per Line	1.0000
MODEL Account Codes	Busy Hour Account Code Call Attempts per Line	, 155.0000
MODEL Authorization Codes	Busy Hour Authorization Code Call Attempts per Line	40.0000
MODEL Privacy Release	Busy Hour Privacy Release Call Attempts per MADN SCA Private Line	0.0100
Privacy Release Privacy Release	Holding time per Privacy Release Call Percentage of Calls that Bridge after PR Activated	1.2000 10.0000
MODEL Query Time	Busy Hour Activations per Query Time Call	1.2000 0.0500
Query Time  MODEL	Busy Hour Query Time Call Attempts per	
Uniform Call Distribution TRUNK	Busy Hour per UCD Call Attempts per UCD Line	12.2181
Digital Private Facilities Acc-Origination Ofc (L-T) Digital Private Facilities Acc-Origination Ofc (L-T)	BH Originating Private Facility Access Att's/Private Fac Trunk  Number of Digits in Private Facility Access Code	5.5400 3.0000
Digital Private Facilities Acc-Origination Ofc (L-T)	Average Number of Digits Dialed after PF Access Code	6.5000
Digital Private Facilities Acc-Origination Ofc (L-T) Digital Private Facilities Acc-Origination Ofc (L-T)	Private Facility Access or Office Holding Time (CCS per Call)  Average Number of Outpulsed Digits Dialed after PF Access Code	1.8000 0.0000
Signal Trivator asimos y ac origination of a (2 T)	, todage (tallied of expense signs since and 17 / occor see	5.5555
TRUNK Digital Private Facilities Acc-Termination Ofc (T-L)	BH Terminating Private Facility Access Att's/Private Fac Trunk	5.5400
Digital Private Facilities Acc-Termination Ofc (T-L)	Private Facility Access or Office Holding Time (CCS per Call)	1.8000
Digital Private Facilities Acc-Termination Ofc (T-L)	Average Number of Digits Inpulsed to Terminating Office	6.5800
POTS		
Speed Call Long - Customer Changeable	Busy Hour Activations per SCL Line	0.0001
Speed Call Long - Customer Changeable	Busy Hour Speed Call Attempts per SCL Line	0.0703
POTS  Call Forwarding-Busy Line - IEO Customer NonChangeable	Busy Hour IEO CF-BL Call Attempts per IEO CF-BL Line	0.1500
POTS Call Forwarding-Don't Answer: IEO Customer NonChangeable	Busy Hour IEO CF-DA Call Attempts per IEO CF-DA Line	0.2821
CENTRON Call Hold	Busy Hour Call Hold Call Attempts per Call Hold Line	0.0180
CENTRON Call Park Retrieve	Busy Hour Call Park Call Attempts per Call Park Line	0.0100
CENTRON		
Call Park Store Call Park Store	Busy Hour Call Park Call Attempts per Call Park Line Call Park or Office Holding Time (CCS per Call)	0.0100 1.2000
CENTRON Call Pickup	Busy Hour Call Pickup Call Attempts per Call Pickup Line	0.0328
CENTRON Message Walting Indication Audible/Visual	Busy Hour MWI Activations per Message Waiting Indication Line	0.2145
CLASS Call Waiting ID (Name & Number with SS7)	Busy Hour Term. Call Attempts per Calling Name Delivery Line	0.0800
CLASS		

#### SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Calling Number Polices, UEO Darmonost	Burn Haur IEO CND Torm, Call Attempts per IEO CND Line	1.0000
Calling Number Delivery - IEO Permanent	Busy Hour IEO CND Term. Call Attempts per IEO CND Line Percent of SW2 Lines with CND or BCLID or MWI or CNAMD	10.1936
Calling Number Delivery - IEO Permanent	PEIGENT OF GAAR CHIES WITH GIAD OF BOLLD OF MAN OF GIAMME	10.1300
CLASS		
Calling Number Delivery Blocking - IAO	Busy Hour CNDB Call Attempts per CNDB Line	1.2000
CLASS		
Calling Number Delivery Blocking - IEO	Busy Hour CNDB Call Attempts per CNDB Line	1.2000
CLASS	D. H. MOO off and D. Mallarana Call Affic and IAO CR Line	0.0005
Continuous Redial - IAO	Busy Hour IAO Continuous Redial Term. Call Att's per IAO CR Line Percent Continuous Redial Calls that are Delay Processed	0.0325 100.0000
Continuous Redial - IAO Continuous Redial - IAO	Percent Continuous Redial Calls that are belay Processed  Percent of Working Lines with Cont. Redial or Last Call Return	5.0000
Sulfanduda Nediai - IAO	1 State of Northing Carlot Will State of Late Carl Note in	
CLASS		
Continuous Redial - IEO	Busy Hour IEO Continuous Redial Term. Call Att's per IEO CR Line	0.0759
Continuous Redial - IEO	Percent Continuous Redial Calls that are Delay Processed	100.0000 5.0000
Continuous Redial - IEO	Percent of Working Lines with Cont. Redial or Last Call Return	5.0000
CLASS		
Last Call Return - IAO	Busy Hour IAO Last Call Return Term. Call Att's per IAO LCR Line	0.0009
Last Call Return - IAO	Percent Last Call Return Calls that are Delay Processed	17.0000 5.0000
Last Call Return - IAO	Percent of Working Lines with Cont. Redial or Last Call Return	5.0000
CLASS		
Last Call Return - IEO	Busy Hour IEO Last Call Return Term. Call Att's per IEO LCR Line	0.0022
Last Call Return - IEO	Percent Last Call Return Calls that are Delay Processed	17.0000
Last Call Return - IEO	Percent of Working Lines with Cont. Redial or Last Call Return	5.0000
CLASS		
Priority Calling	Busy Hour Screen List Editing Accesses	0.0500
Priority Calling	Busy Hour Terminating Call Attempts per Line with Priority Call	3.0000
Priority Calling	Busy Hour Priority Call Terminations per Priority Call Line Percent of SW1 Lines with Auto Customer Station Rearrangement	0.1000 0.0001
Priority Calling Priority Calling	Percent of Lines with Priority Call	1.5000
Priority Calling	Percent of SW1 Lines with Remote Activation	3.0000
Priority Calling	Percent of Lines with Selective Call Acceptance	0.0000
Priority Calling	Percent of Lines with Selective Call Forwarding	1.0000
Priority Calling	Pct. of All Lines with either Selective Call Rejection or UCR	3.3500
Priority Calling	Screen List Editing Holding Time (CCS per Call)	3.0000
Priority Calling	Percent of Screen List Editing Additions that are Interoffice	70.0000
CLASS		
Selective Call Forwarding	Busy Hour Screen List Editing Accesses	0.0500
Selective Call Forwarding	Busy Hour Terminating Call Attempts per Line with SCF Busy Hour SCF Calls Forwarded/Line with SCF	3.0000 0.1000
Selective Call Forwarding Selective Call Forwarding	Percent of SW1 Lines with Auto Customer Station Rearrangement	0.0000
Selective Call Forwarding	Percent of Lines with Priority Call	1.5000
Selective Call Forwarding	Percent of SW1 Lines with Remote Activation	3.0000
Selective Call Forwarding	Percent of Lines with Selective Call Acceptance	0.0001
Selective Call Forwarding	Percent of Lines with Selective Call Forwarding	1.0000
Selective Call Forwarding	Percent of Lines with Selective Call Rejection	3.3500
Selective Call Forwarding	Screen List Editing Holding Time (CCS per Call)	3.0000 70.0000
Selective Call Forwarding	Percent of Screen List Editing Additions that are Interoffice	70.0000
CLASS		
Selective Call Rejection	Busy Hour Screen List Editing Accesses	0.0500
Selective Call Rejection Selective Call Rejection	Busy Hour Terminating Call Attempts per Line with SCR Busy Hour Call Rejections per Line with SCR	3,0000 0.1000
Selective Call Rejection Selective Call Rejection	Percent of SW1 Lines with Auto Customer Station Rearrangement	0.0000
Selective Call Rejection	Percent of Lines with Priority Call	1.5000
Selective Call Rejection	Percent of SW1 Lines with Remote Activation	3.0000
Selective Call Rejection	Percent of Lines with Selective Call Acceptance	0.0000
Selective Call Rejection	Percent of Lines with Selective Call Forwarding	1.0000
Selective Call Rejection	Pct. of All Lines with either Selective Call Rejection or UCR	3.3500
Selective Call Rejection	Screen List Editing Holding Time (CCS per Call)	3.0000

SCM SGAT Feat Inputs
SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT
(Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Selective Call Rejection	Percent of Screen List Editing Additions that are Interoffice	70.0000
01.400		
CLASS	Purcu Hayr Astinations per LICE Line	0.0100
Unidentified Caller Rejection - Acceptance & Rejection	Busy Hour Activations per UCR Line	0.0100
Unidentified Caller Rejection - Acceptance & Rejection	Busy Hour Terminating Call Attempts per Line with UCR	3.0000
Unidentified Caller Rejection - Acceptance & Rejection	Busy Hour Deactivations per UCR Line	0.0010
Unidentified Caller Rejection - Acceptance & Rejection	Busy Hour Call Rejections per Line with UCR	0.1000
Unidentified Caller Rejection - Acceptance & Rejection	Average Number of UCR in Office	5204.0000
POTS Call Walting	Busy Hour Call Waiting Call Attempts per CW Line	0.1500
Can Watung	Busy Hour Call Walling Call Attempts per CW Life	0.1300
POTS		
Cancel Call Waiting	Busy Hour Cancel Call Waiting Call Attempts per CCW Line	0.1500
POTS		
Call Forwarding-Busy Line - IAO Customer Changeable	Busy Hour Activations per IAO CF-BL Line	0.0110
Call Forwarding-Busy Line - IAO Customer Changeable	Busy Hour IAO CF-BL Call Attempts per IAO CF-BL Line	0.0213
Call Forwarding-Busy Line - IAO Customer Changeable	Busy Hour Deactivations per IAO CF-BL Line	0.0077
POTS		
Call Forwarding-Busy Line - IEO Customer Changeable	Busy Hour Activations per IEO CF-BL Line	0.0110
Call Forwarding-Busy Line - IEO Customer Changeable	Busy Hour IEO CF-BL Call Attempts per IEO CF-BL Line	0.0213
Call Forwarding-Busy Line - IEO Customer Changeable	Busy Hour Deactivations per IEO CF-BL Line	0.0077
POTS		
Call Forwarding-Don't Answer: IAO Customer Changeable	Busy Hour Activations per IAO CF-DA Line	0.0076
Call Forwarding-Don't Answer: IAO Customer Changeable	Busy Hour IAO CF-DA Call Attempts per IAO CF-DA Line	0.0831
Call Forwarding-Don't Answer: IAO Customer Changeable	Busy Hour Deactivations per IAO CF-DA Line	0.0077
POTS		
Call Forwarding-Don't Answer: IEO Customer Changeable	Busy Hour Activations per IEO CF-DA Line	0.0076
Call Forwarding-Don't Answer: IEO Customer Changeable	Busy Hour IEO CF-DA Call Attempts per IEO CF-DA Line	0.0831
Call Forwarding-Don't Answer: IEO Customer Changeable	Busy Hour Deactivations per IEO CF-DA Line	0.0043
POTS		
Call Forwarding Variable - IAO (Use with Remote Activation)	Busy Hour IAO CFV Call Attempts per IAO CFV Line	0.0911
POTS		
Call Forwarding Variable - IAO Customer Changeable	Busy Hour Activations per IAO CFV Line	0.0112
Call Forwarding Variable - IAO Customer Changeable	Busy Hour IAO CFV Call Attempts per IAO CFV Line	0.0911
Call Forwarding Variable - IAO Customer Changeable	Busy Hour Deactivations per IAO CFV Line	0.0043
POTS	Developed ISO OF LOCAL Attenuate and ISO OF LANGUAGE	
Call Forwarding Variable - IEO (Use with Remote Activation)	Busy Hour IEO CFV Call Attempts per IEO CFV Line	0.0911
POTS  Call Forwarding Variable - IEO Customer Changeable	Busy Hour Activations per IEO CFV Line	0.0112
Call Forwarding Variable - IEO Customer Changeable	Busy Hour IEO CFV Call Attempts per IEO CFV Line	0.0911
Call Forwarding Variable - IEO Customer Changeable	Busy Hour Deactivations per IEO CFV Line	0.0043
POTS		
Distinctive Ringing	Busy Hour Term. Call Attempts per Line with Distinctive Ringing	2.0000
Distinctive Ringing	Percent of Term. Call Attempts that get Distinctive Ringing	50.0000
Distinctive Ringing	Number of Secondary Phone Numbers	1.0000
CLASS		
Calling Name and Number (SS7 included)	Busy Hour Term. Call Attempts per Line	0.9200
CENTRON		
10XXX Split Blocking	Busy Hour 10XXX Split Blocking Attempts per 10XXX SB	0.0500
POTS		
Block Pay per Use Features	Percent of All Lines with Block Pay per Use Feature	5.0000
CENTRON		

#### SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
MADN Bridging - 3WC MADN Bridging - 3WC	Busy Hour MADN Bridging Call Attempts per MADN Line MADN Bridging or Office Holding Time (CCS per Call)	0.0014 0.3600
ISDN BASIC Auto Drop	Busy Hour Auto Drop Attempts per Auto Drop Line	0.0048
ISDN MADN MADN - Automatic Exclusion	Busy Hour Automatic Exclusion Call Att's per Auto Exclusion Line	0.0001
ISDN MADN MADN - Manual Exclusion	Busy Hour Manual Exclusion Call Att's per Manual Exclusion Line	0.0001
ISDN FEATURES Call Forwarding - Incoming Only	Busy Hour Call Attempts	0.0500
ISDN FEATURES Call Forwarding Intra Group Only (Use with Remote Activation Feature)	Busy Hour Call Attempts	0.0110
ISDN FEATURES  Call Forwarding Variable - IAO (Use with Remote Activation)	Busy Hour IAO CFV Call Attempts per IAO CFV Line	0.0911
ISDN FEATURES Call Forwarding-Don't Answer: Incoming Only	Busy Hour IAO CF-DA Call Attempts per IAO CF-DA Line	0.0900
CENTRON Directed Call Pickup with Barge-in Directed Call Pickup with Barge-in	Busy Hour DCPU-Bi Call Attempts per DCPU-Bi Line DCPU-Bi or Office Holding Time (CCS per Call)	0.0750 1.6000
CENTRON Directed Call Pickup without Barge-in	Busy Hour Directed Call Pickup Call Attempts per DCPU Line	0.1500
ISDN BASIC Feature Display	Busy Hour Feature Display Attempts per Feature Display Line	0.0025
CENTRON Queuing for MUPH	Busy Hour MUPH Queuing Attempts per MUPH Line/System	0.6109
CENTRON Multiline Hunt	Busy Hour Multi-Line Hunt Term. Call Attempts per MLH Line	12.2181
CENTRON Delayed Announcements for MUPH Queue Delayed Announcements for MUPH Queue	Avg. number of Lines within Group (for \$/Line not \$/System) BH Delayed Announcement Call Attempts per MUPH Queue System/Line	10.0000 0.6109
CENTRON  Music in Queue - Multi-Position Hunt Group  Music in Queue - Multi-Position Hunt Group	Avg. number of Lines within Group (for \$/Line not \$/System) Busy Hour Music in Queue - MUPH Attempts per MUPH Line	10.0000 0.6109
POTS Incoming Calls Barred	Busy Hour Incoming Call Attempts per Restricted Line	0.1000
POTS International Direct Dial Blocking	Busy Hour International Dial Attempts per International Direct Dial Blocking Line	0.0500
FCC Answer Supervision - Line	Busy Hour Answer Supervision Call Attempts per Line	2.0000
POTS Outgoing Calls Barred	Busy Hour Outgoing Call Attempts per Restricted Line	0.0075
CENTRON Outgoing Trunk Queuing Without Recorded Announcement	Busy Hour Outgoing Trunk Queuing Attempts per Trunk	0.6109
POTS Toll Restriction	Busy Hour Toll Restricted Attempts per Toll Restriction Line	0.0715

### SCM SGAT Feat Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT (Engineered, Furnished and Installed - 377C)

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	FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
ISDN FEATURES Key Short Hunt		Busy Hour Key Short Hunt Call Attempts per Key Short Hunt Group	5.0000
ISDN BASIC Time and Date		Busy Hour Time & Date Attempts per Time & Date Line	5.0000

SCM 2nd Ln Inputs
STATE: ALL SWITCHING COST MODEL - MULTIPLE FEATURI

OFFICE FILE YEAR: 02

Distinctive Ringing

SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT

(Engineered, Furnished and Installed - 377C)

Year of investments: 2002

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67.0000

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POTS
Distinctive Ringing
Distinctive Ringing
Number of Secondary Phone Numbers

FEATURE INPUT DESCRIPTION
FEATURE INPUT VALUE

1.4000
1.4000
1.4000

Percent of Term. Call Attempts that get Distinctive Ringing

Distinctive Ringing

Distinctive Ringing

SCM 3rd Ln Inputs

SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT

(Engineered, Furnished and Installed - 377C)

Year of Investments: 2002

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3.0000

75.0000

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FEATURE DESCRIPTION	ON FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
POTS		
Distinctive Ringing	Busy Hour Term, Call Attempts per Line with Distinctive Ringing	1,5000

Percent of Term. Call Attempts that get Distinctive Ringing

Number of Secondary Phone Numbers

### SCM UCD Inputs SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT

(Engineered, Furnished and Installed - 377C)

Year of Investments: 2002

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FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
CENTRON Message Waiting Indication with SS7	Busy Hour MWI Activations per Message Waiting Indication Line	0.2145
CENTRON  Music in Queue - Multi-Position Hunt Group  Music in Queue - Multi-Position Hunt Group	Avg. number of Lines within Group (for \$/Line not \$/System) Busy Hour Music in Queue - MUPH Attempts per MUPH Line	20.0000 12.2181
CENTRON Queuing for MUPH	Busy Hour MUPH Queuing Attempts per MUPH Line/System	12.2181
CENTRON Delayed Announcements for MUPH Queue Delayed Announcements for MUPH Queue	Avg. number of Lines within Group (for \$/Line not \$/System) BH Delayed Announcement Call Attempts per MUPH Queue System/Line	20.0000 12.2181

VERSION 10.02

#### REPORT (NONE

INVESTME Direct - Category 1=YI Direct - Category 2=YES

### OUTPUT COffice Nam Project Inputs=YES

STUDY FILJ:\SCM\Fe; 3

SW1 SSW102A QC 02 POTS STD H SW2 SSW202A QC 02 POTS STD H

SW3 SSW302A QC 02 POTS STD H

#### FEATURE: J:\SCM\Features\Scm10.02 All States\fscm01a4.mdb

FEATURE: 105			
BASIC CEI BASIC CEI	Dial 0 Line		0
Busy Hour 0.58	0	100	
BASIC CEI BASIC CEI	Direct Inwa Line		0
Busy Hour 1.456	0	100	
<b>CENTRON CENTRON</b>	Automatic   Line		0
Busy Hour 1	0	100	
<b>CENTRON CENTRON</b>	Call Forwa Line		0
Busy Hour 0.308	0	100	
<b>CENTRON CENTRON</b>	Called Nan Line		3
Busy Hour 0.0001	0	100	
BH Calling 1.12	0	100	
Busy Hour 0.0001	0.0001	100	
Percent of 25	0	100	
<b>CENTRON CENTRON</b>	Call Waitin Line		0
Busy Hour 0.075	0	100	
CENTRON CENTRON	Call Waitin Line		0
Busy Hour 0.15	0	100	
CENTRON CENTRON	Data Call F Line		-1
CENTRON CENTRON	Dial Call W Line		0
Busy Hour 0.0075	0	100	
CENTRON CENTRON	Distinctive Line		0
Busy Hour 0.001	0	100	
CENTRON CENTRON	Distinctive Line		1
Busy Hour 0.5	0 100	.0001	
Percent of 100		100	
CENTRON CENTRON	•		0
Busy Hour 52		100	
CENTRON CENTRON	Executive I Line		0
Busy Hour 0.01	0	100	
CENTRON CENTRON	Expensive Line		0
Busy Hour 30	=	1000	
CENTRON CENTRON	-		0
Busy Hour 60		1000	
CENTRON CENTRON			0
Busy Hour 0.22		100	
CENTRON CENTRON	Group Intel Line		0

Busy Hour	0.5	0	100	
CENTRON	CENTRON	Group IntelLine		0
Busy Hour	0.5	0	100	
	CENTRON	Loudspeak Line		1
BH Termin	23	0	100	
Loudspeak	0.087	0	100	
		Make Set E Line	100	0
			100	U
Busy Hour	2	0	100	_
		Message V Line		0
Busy Hour		0	100	
CENTRON	CENTRON	Message V Line		1
Busy Hour	0.5	O	100	
Busy Hour	0.5	0	100	
	CENTRON	Music On I Line		1
Avg. numb	10	0	200	
Busy Hour	134	Ō	200	
•		Music On I Line	200	1
			100	1
Busy Hour	0.001	0	100	
Average O	1.2	0	100	
CENTRON	CENTRON	Network St Line		0
Busy Hour	0.02	0	100	
CENTRON	CENTRON	Station Car Line		1
<b>Busy Hour</b>	10	0	100	
Average O	1.2	0	100	
		Three Way per Lir		1
Busy Hour		0	100	٠
3WC or Off		0	100	
		=	100	^
		Time of Da Line		0
Busy Hour	0.67	_ 0	100	
	CENTRON	Trunk Ansv Line		0
Busy Hour	0.01	0	100	
CENTRON	CENTRON	Trunk Verif Line		-1
EBS	EBS	Business S Line		2
<b>Busy Hour</b>	0.0358	0	100	
Busy Hour	0.104	0	100	
Busy Hour		0	100	
EBS	EBS	Business S Line		0
Busy Hour	0.001	0	100	Ü
-		-	100	^
EBS	EBS	Key Short I Line	100	0
Busy Hour	0.5	0	100	_
EBS	EBS	Multiple Ex Line		0
Busy Hour	0.5	0	100	
EBS	EBS	Origination Line		0
<b>Busy Hour</b>	1.12	0	100	
EBS	EBS	Origination Line		0
<b>Busy Hour</b>	0.96	0	100	
EBS	EBS	Origination Line		0
Busy Hour	1.12	0	100	Ŭ
FCC	FCC	Calling Nur Line	.00	1
		<del>-</del>	100	1
Busy Hour	0.96	0.0001	100	
Percent of	25	0	100	
ISDN FEA	ISDN FEA	System Mt Line		1

Avg. numb	1	0	200	
Busy Hour	134	0	200	
_		Automatic Line	400	1
Busy Hour	0.001	0	100	
Busy Hour	0.0001	0	100	0
MODEL			400	0
Busy Hour	1	0	100	•
		Account Cr Line	400	0
Busy Hour	155	0	100	0
		Authorizati Line	100	0
Busy Hour	40	O Driversy De Line	100	0
		Privacy Re Line	100	2
Busy Hour	0.01	0	100	
Holding tim	1.2	0 100.0 0		
Percentage	10 MODE!	•	100	1
		Query Time Line	400	1
Busy Hour	1.2 0.05	0	400 1000	
Busy Hour MODEL		_		0
		Uniform Caper Li	100	U
Busy Hour TRUNK	12.2181 TRUNK	=	100	4
		1	9	4
BH Origina Number of	3.54	0	100	
		0	100	
Average No Private Fac		0	100	
Average N		0	100	
		Digital Priv Line	100	2
BH Termin		0	100	2
Private Fac		0	100	
Average N		0	100	
POTS	POTS	Speed Call Line	100	1
Busy Hour		0	100	
Busy Hour			100	
POTS		Call Forwa Line	.00	0
Busy Hour			100	J
		Call Forwa Line		0
Busy Hour	0.2821	0	100	•
-		Call Hold Line		0
Busy Hour			100	_
-		Call Park F Line		0
Busy Hour	0.01	0	100	
		Call Park S Line		1
Busy Hour		0	100	
Call Park o		0	100	
		Call Pickur Line		0
Busy Hour	0.0328	•	100	
		Message V Line		0
Busy Hour			100	
CLASS	CLASS	Call Waitin per Li	ne	0
Busy Hour		•	100	
CLASS	CLASS	Calling Nur Line		1
Busy Hour	1		100	

	40.4000		400	
Percent of		0	100	
		Calling Nur		0
Busy Hour	1.2		100	0
		Calling Nur		0
Busy Hour	1.2	0	100	0
		Continuous 0		2
Busy Hour Percent Cc	100	0.0001	100 100	
Percent of	5	0.0001	100	
		Continuous		2
Busy Hour	0.0759	0	100	2
Percent Cc	100	0.0001	100	
Percent of	5	0.0001	100	
	CLASS	Last Call R		2
Busy Hour	0.0009	Lasi Call N	100	2
Percent La	17	0.0001	100	
Percent of	5	0.0001	100	
	CLASS	Last Call R		2
Busy Hour	0.0022	Lasi Gall II	100	2
Percent La	17	0.0001	100	
Percent of	5	0.0001	100	
	CLASS	Priority Cal		10
Busy Hour	0.05	0 1 Hority Cal	100	10
Busy Hour	3	0.0001		
Busy Hour	0.1	0.0001	100.0001	
Percent of	0.0001	_	100.0001	
Percent of	1.5	0.0001	100.0001	
Percent of	3	0	100.0001	
Percent of	0	0		
Percent of	1	0	100.0001	
Pct. of All L	3.35	0	100	
Screen List	3	0	100	
Percent of	70	0.0001	100	
		Selective C		10
Busy Hour	0.05		100	
Busy Hour		0.0001		
Busy Hour	0.1	0	100.0001	
Percent of	0	0	100.0001	
Percent of	1.5	0	100.0001	
Percent of	3	0	100.0001	
Percent of	0.0001	0.0001	100.0001	
Percent of	1	0	100.0001	
Percent of	3.35	0	100	
Screen List		0	100	
Percent of	70	0.0001	100	
CLASS	CLASS	Selective C		10
Busy Hour	0.05		100	
Busy Hour	3	0.0001	100	
Busy Hour	0.1	0	100.0001	
Percent of	0	0	100.0001	
Percent of	1.5	0	100.0001	
Percent of	3	0	100.0001	

Percent of	0	0	100.0001	
Percent of	1	0	100.0001	
Pct. of All L	3.35	0	100	
Screen List	3	Ó	100	
Percent of	70	0	100	
		Unidentifie		4
	0.01	0.01	100	7
Busy Hour				
Busy Hour	3	0	100	
Busy Hour	0.001		100	
Busy Hour	0.1	0	200000	
Average N	5204	0	100000	
POTS	POTS	Call Waitin	Line	0
<b>Busy Hour</b>	0.15	0	100	
	POTS	Cancel Cal	Line	0
Busy Hour	0.15	0	100	
•	POTS	Call Forwa		2
Busy Hour	0.011	0	100	~
•		0	100	
Busy Hour	0.0213	_		
Busy Hour	0.0077	0	100	_
		Call Forwa		2
Busy Hour	0.011	0	100	
Busy Hour	0.0213	0	100	
Busy Hour	0.0077	0	100	
POTS	POTS	Call Forwa	Line	2
<b>Busy Hour</b>	0.0076	0	100	
Busy Hour	0.0831	0	100	
Busy Hour	0.0077	0	100	
POTS	POTS	Call Forwa		2
	0.0076	Oaii i Oiwa	100	۷
Busy Hour				
Busy Hour	0.0831	0	100	
Busy Hour	0.0043	0	100	_
POTS	POTS	Call Forwa		0
Busy Hour	0.0911	0	100	
POTS	POTS	Call Forwa	Line	2
Busy Hour	0.0112	0	100	
Busy Hour	0.0911	0	100	
<b>Busy Hour</b>	0.0043	0	100	
POTS	POTS	Call Forwa	Line	0
Busy Hour	0.0911	0	100	
POTS	POTS	Call Forwa		2
Busy Hour	0.0112	0	100	-
•	0.0911	0	100	
Busy Hour				
Busy Hour	0.0043	0	100	
POTS	POTS	Distinctive		2
Busy Hour	2	0	100.0001	
Percent of	50	0	100	
Number of	1	0	100	
CLASS	CLASS	Calling Na	per Line	0
<b>Busy Hour</b>	0.92	0	100	
-	CENTRON	10XXX Sol	per Line	0
Busy Hour		0	100	_
POTS	POTS	Block Pay		0
, 010	, 010	DIOUR I ay	POI LINE	U

Percent of	5	0 100	
CENTRON	CENTRON	MADN Bric per Line	1
Busy Hour	0.001443	0 100	
MADN Bric	0.36	0 100	
		Auto Drop per Line	0
Busy Hour		0 100	_
			^
			0
Busy Hour		0 100	
		MADN - Mi per Line	0
Busy Hour	0.000144	0 100	
		Call Forwa per Line	0
Busy Hour		0 100	
-			0
		•	U
Busy Hour		0 100	_
		Call Forwa per Line	0
Busy Hour	0.0911	0 100	
ISDN FEAT	ISDN FEAT	Call Forwa per Line	0
Busy Hour	0.09	0 100	
•		Directed Ciper Line	1
		_ · · · · · · · · · · · · · · · · · · ·	٠
Busy Hour	0.075		
DCPU-BI o	1.6	0 100	
CENTRON	CENTRON	Directed Ciper Line	0
Busy Hour	0.15	0 100	
ISDN BASI	ISDN BASI	Feature Disper Line	0
Busy Hour	0.0025	0 100	
•		Queuing fo per Line	0
			U
Busy Hour			_
		Multiline Huper Line	0
Busy Hour	12.21809	0 100	
CENTRON	CENTRON	Delayed Arper Line	1
Avg. numb	10	0 10	
BH Delaye		0 200	
•		Music in Q per Line	1
		0 100	•
Avg. numb			
Busy Hour			
POTS	POTS	Incoming C per Line	0
Busy Hour	0.1	0 100	
POTS	POTS	Internation: per Line	0
<b>Busy Hour</b>	0.05	0 100	
FCC	FCC	Answer Su per Line	0
	2	0 200	٠
Busy Hour			_
POTS	POTS	Outgoing C per Line	0
Busy Hour		0 100	
CENTRON	CENTRON	Outgoing T per Line	0
Busy Hour	0.610904	0 100	
POŤS	POTS	Toll Restric per Line	0
Busy Hour	0.0715	0 100	-
-			^
		Key Short I per Line	0
Busy Hour			_
		Time and Eper Line	0
Busy Hour	5	0 100	

SELECT IN ALL

SHOW FO NO

**VERSION** 

10.02

REPORT (NONE

INVESTME Direct - Category 1=YI Direct - Category 2=YES

OUTPUT COffice Nam Project Inputs=YES

STUDY FILJ:\SCM\Fe

3

SW1

SSW102A QC 02 POTS STD H

SW2

SSW202A QC 02 POTS STD H

SW3

SSW302A QC 02 POTS STD H

FEATURE: J:\SCM\Features\Scm10.02 All States\fscm01a4.mdb

FEATURE:

POTS **POTS**  Distinctive per Line

0

2

**Busy Hour** 

1.4

0 100.0001 0

Number of

2

100

Percent of

67

100

SELECT IN ALL

SHOW FO NO

**VERSION** 

10.02

#### REPORT (NONE

INVESTME Direct - Category 1=YI Direct - Category 2=YES

OUTPUT COffice Nam Project Inputs=YES

STUDY FILJ:\SCM\Fe:

3

SW1

SSW102A-QC 02 POTS STD H

SW2

SSW202A · QC 02 POTS STD H

SW3

SSW302A · QC 02 POTS STD H

FEATURE: J:\SCM\Features\Scm10.02 All States\fscm01a4.mdb

0

FEATURE:

1

POTS POTS Distinctive per Line
Busy Hour 1.5 0 100.000

2

Busy Hour Number of 1.5

0 100.0001 0 100

Number of Percent of 3 75 100 100

SELECT IN ALL

SHOW FO NO

VERSION

10.02

#### REPORT ( NONE

INVESTME Direct - Category 1=YE Direct - Category 2=YES

OUTPUT COffice Nam Project Inputs=YES

STUDY FIL J:\SCM\Fe

- 3

SSW102A QC 02 POTS STD H

SW1 SW2

SSW202A QC 02 POTS STD H

SW3

SSW302A QC 02 POTS STD H

FEATURE: J:\SCM\Features\Scm10.02 All States\fscm01a4.mdb

FEATURE:	4			
CENTRONC	ENTRON Me	essage V Line		0
Busy Hour	0.2145	0	100	
CENTRONC	ENTRON Mi	ısic in QıLine		1
Avg. numb	20	0	100	
Busy Hour	12.2181	1	100	
CENTRON	ENTRON Qu	euing fo Line		. 0
Busy Hour	12.2181	0	200	
CENTRON	ENTRON De	layed Ar Line		1
Avg. numb	20	0	10	
BH Delaye	12.2181	0	200	

SELECT IN ALL

SHOW FO NO

Features	usoc	USOC DESC	DALP#	QTY	Cost per line	Total
Blocking of pay per call services	OC4	OUTGOING CALL RESTRICTIONS - CUSTOMER CONTROLLED	DALP0152	149	0.033526201	4.995403916
		CALL FORWARDING - DON'T ANSWER - PER HUNT GROUP; OVERFLOW				
Call Forward Don't Answer - All Calls	EVDHG	FOR LAST LINE - DMS-100	DALP0152	2	0.060424731	0.120849462
Call Forwarding Variable Remote	AFD	REMOTE ACCESS CALL FORWARDING - BUS	DALP0152	250	0.041238791	10.30969766
Call Forwarding Variable Remote	AFM	REMOTE ACCESS CALL FORWARDING - RES	DALP0152	1706	0.041238791	70.35337686
		DISCOUNTED FEATURE OR PACKAGE - REMOTE ACCESS CALL				
Call Forwarding Variable Remote	NLUAA	FORWARDING - RES	DALP0152	14	0.041238791	0.577343069
Call Forwarding Variable Remote	RCA	REMOTE CALL FORWARDING - ADDITIONAL ACCESS PATH	DALP0152	387	0.041238791	15.95941198
our rolling ranges risingle	1	REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH;			0.0	10.000 11.00
		INTERSTATE CALL FORWARDING; MARKET EXPANSION LINE; IN				
Call Forwarding Variable Remote	RCFVE	CENTRAL-NONSTANDARD USE 'T' SUFFIX	DALP0152	156	0.041238791	6.433251343
Dail I diwarding variable Flemole	1101 1	REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH;	0.12, 0.102		0.041200701	0.400251040
		INTRASTATE CALL FORWARDING; MARKET EXPANSION LINE; IN				
Call Forwarding Variable Remote	RCFVS	CENTRAL-NONSTANDARD USE 'T' SUFFIX	DALP0152	142	0.041238791	5.855908273
Call Forwarding variable Hemote	1101 40	CALL FORWARDING - BUSY LINE - PER HUNT GROUP; FOR LAST LINE -	DALI GIOL	175	0.0412.00791	5.655906275
Call Forwarding: Busy Line (Overflow)	EVBHG	DMS-100	DALP0152	1	0.01941728	0.01941728
Call Folwarding. Busy Line (Overnow)	EVDING	CALL FORWARDING - BUSY LINE - DON'T ANSWER - WITHIN THE CO-	DALI VIJE		0.01941720	0.01941726
Call Canadama Busy Line (Overflow)	EVK	OVERFLOW	DALP0152	195	0.01941728	3.786369556
Call Forwarding: Busy Line (Overflow)	EVO	CALL FORWARDING - BUSY LINE - WITHIN THE CO-OVERFLOW	DALP0152	2607		
Call Forwarding: Busy Line (Overflow)	EVU		DALPUISZ	2007	0.01941728	50.62084837
S. II. S. II. (O. 41-1)	EVOLIC	CALL FORWARDING - BUSY LINE - PER HUNT GROUP; OVERFLOW FOR	DALBOTEO	-	0.04044700	0.04044700
Call Forwarding: Busy Line (Overflow)	EVOHG	LAST LINE - DMS-100	DALP0152	1	0.01941728	0.01941728
		CALL FORWARDING - BUSY LINE - WITH CUSTOMER ACTIVATION,	D 41 DO4 FO			
Call Forwarding: Busy Line (Programmable)	ERB	DEACTIVATION & CHANGE CAPABILITY; PROGRAMMABLE	DALP0152	4	0.027649242	0.110596969
Call Forwarding: Busy Line/Don't Answer		CALL FORWARDING - BUSY LINE - DON'T ANSWER - FORWARD TO	DAI DOJEG			
(Expanded)	EVF	OUTSIDE NUMBER; WITHIN THE C.OEXTERNALTO CUSTOMER SYSTEM	DALP0152	997	0.079842011	79.60248467
Call Forwarding: Busy Line/Don't Answer		CALL FORWARDING - BUSY LINE - DON'T ANSWER - FORWARD TO				
(Expanded)	EVFHG	OUTSIDE NUMBER - PER HUNT GROUP; FOR LAST LINE- DMS 100	DALP0152	5	0.079842011	0.399210054
Call Forwarding: Busy Line/Don't Answer		CALL FORWARDING - BUSY LINE - DON'T ANSWER TO A NUMBER				
(Expanded)	FVJ	OUTSIDE CO; EXPANDED CALL FORWARDING	DALP0152	718	0.079842011	57.32656369
Call Forwarding: Busy Line/Don't Answer	7	CALL FORWARDING - BUSY LINE - DON'T ANSWER TO A NUMBER				
(Expanded)	FVJHG	OUTSIDE CO - PER HUNT GROUP; FOR LAST LINE - DMS-100	DALP0152	1	0.079842011	0.079842011
		CALL FORWARDING - DON'T ANSWER - WITH CUSTOMER ACTIVATION,				
Call Forwarding: Don't Answer	ERD	DEACTIVATION & CHANGE CAPABILITY; PROGRAMMABLE	DALP0152	7		0.422973117
Call Forwarding: Don't Answer	ES7	CALL WAITING - CALL FORWARDING	DALP0152	243	0.060424731	14.68320962
	· ·	CALL FORWARDING - DON'T ANSWER; WITHIN THE C.OEXTERNAL TO				
Call Forwarding: Don't Answer	EVD	CUSTOMER SYSTEM	DALP0152	576	0.060424731	34.80464502
		CALL FORWARDING - DON'T ANSWER TO A NUMBER OUTSIDE CO -				
Call Forwarding: Don't Answer	FDJ	EXPANDED CALL FORWARDING	DALP0152	178	0.060424731	10.75560211
		CALL FORWARDING - DON'T ANSWER TO A NUMBER OUTSIDE CO - PER				
Call Forwarding: Don't Answer	FDJHG	HUNT GROUP; OVERFLOW FOR LASTLINE - DMS 100	DALP0152	2	0.060424731	0.120849462
Call Forwarding: Variable	NLRXZ	DISCOUNTED FEATURE OR PACKAGE; CALL FORWARDING	DALP0152	1602	0.031384719	50.27832005
		REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH;				
Call Forwarding: Variable	RCFVF	MEASURED LOCAL CALL FORWARDING	DALP0152	456	0.031384719	14.31143192
Call Forwarding: Variable - no call complete				1		
option	ESM	CALL FORWARDING - VARIABLE	DALP0152	37310	0.031384719	1170.963871
Call Transfer	EO3	3-WAY CALL TRANSFER	DALP0152	801	0.257924686	206.5976732
Call Walting Terminating - All Calls	ESX	CALL WAITING - TERMINATING	DALP0152	27945	0.044676146	1248.474892
Call Waiting/ Cancel Call Waiting	ES6	CALL WAITING - SPEED CALLING - 8 CODE	DALP0152	6	0.071516485	0.429098912

Features	USOC	USOC DESC	DALP#	QTY	Cost per line	Total
Call Waiting/ Cancel Call Waiting	ETC	CALL FORWARDING - CALL WAITING & 3-WAY CALLING	DALP0152	65		4.648571549
CFBL - All Calls	ER3	CALL FORWARDING - SPEED CALLING - 8 CODE	DALP0152	7	0.01941728	0.135920958
CFBL - All Calls	ER4	CALL FORWARDING - SPEED CALLING - 30 CODE	DALP0152	1	0.01941728	0.01941728
		CALL FORWARDING - BUSY LINE TO A NUMBER OUTSIDE CO; EXPANDED				
CFBL - All Calls	FBJ	CALL FORWARDING	DALP0152	3024	0.01941728	58.71785403
		CALL FORWARDING - BUSY LINE; WITHIN THE C.OEXTERNAL TO				
CFBL - Incoming Only	EVB	CUSTUMER SYSTEM	DALP0152	138	0.01941728	2.679584609
CLASS - Anonymous Call Rejection	AYK	C.L.A.S.S ANONYMOUS CALLER REJECTION	DALP0152	77523		20334.32035
CLASS - Anonymous Call Rejection	N6SD1		DALP0152	7	0.262300483	1.836103382
	-	CUSTOM CALLING & LINE FEATURE PACKAGE - PRESET PACKAGE WITH				
CLASS - Call Waiting ID	EYYXW	CALL WAITING ID	DALP0152	125	0.031246001	3.905750094
		CALL WAITING - TERMINATING AND CALL WAITING DISPLAY - C.L.A.S.S.				
CLASS - Call Waiting ID	N2W	PLUS	DALP0152	30952	0.031246001	967.1262152
CLASS - Call Waiting ID	NWT	C.L.A.S.S. + - CALL WAITING DISPLAY	DALP0152	1918	0.031246001	59.92982944
		CALL WAITING DISPLAY WITH DISPOSITION ASSOCIATED WITH VOICE				
CLASS - Call Waiting ID	PKQ	MESSAGING SERVICE	DALP0152	974	0.031246001	30.43360473
		CALL WAITING DISPLAY WITH DISPOSITION - NOT ASSOCIATED WITH				
CLASS - Call Waiting ID	PKR	VOICE MESSAGING	DALP0152	6	0.031246001	0.187476005
CLASS - Calling Name & Number	N6S		DALP0152	1435	0.359329046	515.6371808
CLASS - Calling Name & Number	NDR	C.L.A.S.S DIALABLE CALLING NAME & NUMBER DELIVERY	DALP0152	28	0.359329046	10.06121328
CLASS - Calling Name & Number	NKM	C.L.A.S.S CALLING NAME & NUMBER DELIVERY - BLOCKING; PER LINE	DALP0152	7016	0.359329046	2521.052586
CLASS - Calling Name & Number	NNK	C.L.A.S.S CALLING NAME & NUMBER DELIVERY	DALP0152	78292	0.359329046	28132.58966
CLASS - Calling Number Delivery	NSD	C.L.A.S.S CALLING NUMBER DELIVERY	DALP0152	6788	0.048606837	329.9432075
3		C.L.A.S.S CALLING NAME & NUMBER DELIVERY - BLOCKING - 2ND RATE				
CLASS - Calling Number Delivery - Blocking	NKS	LEVEL; PER LINE	DALP0152	414	0.291340489	120.6149626
		DISCOUNTED FEATURE OR PACKAGE; AUTOMATIC RECALL;				
CLASS - Continuous Redial	NLRXL	CONTINUOUS REDIAL	DALP0152	58	0.229635281	13.3188463
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Continuous Redial	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.229635281	1.148176405
CLASS - Continuous Redial	NSS	C.L.A.S.S AUTOMATIC CALL RETURN; CONTINUOUS REDIAL	DALP0152	38014	1	8729.355573
CLASS - Last Call Return	NSK	C.L.A.S.S DISTINCTIVE RINGING - CALL WAITING; PRIORITY CALL	DALP0152	25104		1727.320079
CLASS - Last Call Return	NSQ	C.L.A.S.S AUTOMATIC RECALL; LAST CALL RETURN	DALP0152	39784		
OLAGO - Last Gail Fictani		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL			0.00000000	2,0,,,,00,,00
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Priority Calling	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.124145189	1.365597079
OLAGG-1 Hority Calling	ITLODIT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		ļ	0.7211-0.100	1.000001010
	200	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Priority Calling	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.124145189	1.986323024
CLASS - Priority Calling CLASS - Selective Call Forwarding	ER5	CALL FORWARDING - 3-WAY CALLING	DALP0152	49	3	
CLASS - Selective Call Forwarding  CLASS - Selective Call Forwarding	NCE	C.L.A.S.S SELECTIVE CALL FORWARDING	DALP0152	20858	3	
£	NLRXN	DISCOUNTED FEATURE OR PACKAGE: SELECTIVE CALL FORWARDING	DALP0152	39	3	
CLASS - Selective Call Forwarding	NLRXO	DISCOUNTED FEATURE OR PACKAGE; SELECTIVE CALL REJECTION	DALF0152	129		
CLASS - Selective Call Rejection	NSY	C.L.A.S.S SELECTIVE CALL REJECTION	DALF0152	27869	à .	
CLASS - Selective Call Rejection	I GNI	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -	DALFUIDE	21008	0.200100004	1201.081554
0	NI 044		DALP0152	97	0.010670004	1 000007500
Custom Ringing First Line (Short/Long/Short)	NLQ1A	WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 1	DALPU152	97	0.013678634	1.326827536
	D001-	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -	DAI DOTES	1404	0.04007000:	40.04=404==
Custom Ringing First Line (Short/Long/Short)	RGG1A	WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 1; CUSTOM RINGING	DALPU152	1434	0.013678634	19.61516172

Features	usoc	USOC DESC	DALP#	QTY	Cost per line	Total
		DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -				
Custom Ringing First Line (Short/Short)	NLQ1B	WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 2	DALP0152	7	0.013678634	0.095750441
		DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -				
Custom Ringing First Line (Short/Short)	RGG1B	WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 2; CUSTOM RINGING	DALP0152	110	0.013678634	1.504649783
		DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -				
Custom Ringing First Line (Short/Short/Long)	NLQ1C	WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 3	DALP0152	4	0.013678634	0.054714538
		DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING -				
Custom Ringing First Line (Short/Short/Long)	RGG1C	WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 3; CUSTOM RINGING	DALP0152	79	0.013678634	1.080612117
Custom Ringing Second Line		WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 1; CUSTOM				
(Short/Long/Short)	RGG2A	RINGING	DALP0152	13	0.01283056	0.166797282
Custom Ringing Second Line	\$	WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 2; CUSTOM				
(Short/Long/Short)	RGG2B	RINGING	DALP0152	183	0.01283056	2.347992501
	\$1,000,000,000,000,000,000,000	WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 3; CUSTOM				
Custom Ringing Second Line (Short/Short)	RGG2C	RINGING	DALP0152	74	0.01283056	0.949461449
		WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 1; CUSTOM	 			
Custom Ringing Third Line (Short/Long/Short)	RGG3A	RINGING	DALP0152	4	0.010258976	0.041035902
		WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 2; CUSTOM				
Custom Ringing Third Line (Short/Long/Short)	RGG3B	RINGING	DALP0152	2	0.010258976	0.020517951
		WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 3; CUSTOM				
Custom Ringing Third Line (Short/Long/Short)	RGG3C	RINGING	DALP0152	113	0.010258976	1.159264242
	ļ	DISCOUNTED FEATURE OR PACKAGE; DISTINCTIVE RINGING - CALL	}			
Distinctive Ringing	NLRX8	WAITING; PRIORITY CALL	DALP0152	56	0.013678634	0.766003526
, market and the second second second second second second second second second second second second second se	1	HOT LINE - DIRECT CONNECT TO PREASSIGNED DESTINATION NUMBER;				
Hot Line - per line	HLA	CAN RECEIVE INCOMING CALLS	DALP0152	32	0.057690357	1.846091414
Hunting: Multiposition Circular Hunting	HCKPG	CIRCULAR HUNTING - PER GROUP; INCREMENTAL CHARGE	DALP0152	102	0.203853471	20.79305403
Hunting: Multiposition Circular Hunting	HTG	HUNTING FEATURE - PER LINE EQUIPPED	DALP0152	9309	0.203853471	1897.67196
Hunting: Multiposition Circular Hunting	UMH	PER STATION LINE IN HUNT GROUP - ASSOCIATED WITH ONA	DALP0152	411	0.203853471	83.78377652
Hunting: Multiposition Circular Hunting	UMHPG	MULTILINE HUNT GROUP - ASSOCIATED WITH ONA	DALP0152	42	0.203853471	8.561845775
Message Waiting Indication Audible/Visual	M1W	MESSAGE WAITING AUDIBLE & VISUAL INDICATOR	DALP0152	90	0.055017565	4.951580862
Message Waiting Indication Audible/Visual	MWW	MESSAGE WAITING INDICATOR; AUDIBLE	DALP0152	1086	0.055017565	59.74907574
Night Service Arrangement	ATF	TIME OF DAY/DAY OF WEEK CALL FORWARDING	DALP0152	12	0.001669288	0.02003146
Speed Calling 30 Number	E3D	SPEED CALLING - 30 CODE - CUST CHANGEABLE	DALP0152	23269	0.010285205	239.3264248
		CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30	финоминаномина.	310000000000000000000000000000000000000		
Speed Calling 30 Number	ESB	CODE & 3-WAY CALLING	DALP0152	2	0.010285205	0.020570409
Speed Calling 8 Number	E8C	SPEED CALLING - 8 CODE - CUST CHANGEABLE	DALP0152	23247	0.010285205	239.1001503
Speed Calling 8 Number	ER6	SPEED CALLING - 8 CODE & 3-WAY CALLING	DALP0152	6	0.010285205	0.061711227
Speed Calling 8 Number	ESA	CALL FORWARDING - CALL WAITING & SPEED CALLING - 8 CODE	DALP0152	2	0.010285205	0.020570409
Speed Calling 8 Number	ET8	CALL WAITING - SPEED CALLING & 3-WAY CALLING	DALP0152	1	0.010285205	0.010285205
Speed Calling 8 Number	NLRXW	DISCOUNTED FEATURE OR PACKAGE; SPEED CALLING - 8 CODE	DALP0152	1101	0.010285205	11.32401021
Three Way Calling	ER7	SPEED CALLING - 30 CODE & 3-WAY CALLING	DALP0152	8	0.257924686	2.063397485
Three Way Calling	ER9	CALL WAITING & 3-WAY CALLING	DALP0152	31	0.257924686	7.995665254
Three Way Calling	ESC	3-WAY CALLING	DALP0152	40556	0.257924686	10460.39355
Three Way Calling	NLRXR	DISCOUNTED FEATURE OR PACKAGE; 3-WAY CALLING	DALP0152	1704	0.257924686	439.5036643
Toll Restriction Service	KX9	TOLL DENIAL	DALP0152	16723	0.005270047	88.13098826
		TOLL RESTRICTION WITH BILLED NUMBER SCREENING; LIMITED		-		
Toll Restriction Service	RBE	SERVICE-CUST NOT ALLOWED ADDITIONAL FEATURES & SERVICES	DALP0152	108	0.005270047	0.569165026
A service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a service and a			er er escalaración sobre coma el monto			

Features	USOC	USOC DESC	DALP#	QTY	Cost per line	Total
		TOLL RESTRICTION WITH BILLED NUMBER SCREENING - OPTION 1;				
	8	RESTRICTED SERVICE-CUSTOMER IS ALLOWED ADDITIONAL FEATURES				
Toll Restriction Service	RBE1X	& SERVICES	DALP0152	14233	0.005270047	75.00857238
	Name of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last o	TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING				
Toll Restriction Service	RBVXC	10XXX 011+ & 011+ CALLS - CALLS ROUTED TO ANCMT	DALP0152	1588	0.005270047	8.368833903
		TOLL RESTRICTION - BILLED NUMBER SCREENING - 1 GROUP OF LINES				
Toll Restriction Service	RTV1Q	OR TRUNKS EQUIPPED	DALP0152	24	0.005270047	0.126481117
		TOLL RESTRICTION - BILLED NUMBER SCREENING - 2ND GROUP OF				
Toll Restriction Service	RTV2Q	LINES OR TRUNKS EQUIPPED	DALP0152	15	0.005270047	0.079050698
		TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING				
		ACCESS TO INFORMATION SERVICES PREFIXES; IN CENTRAL, INCLUDES		_		
Toll Restriction Service	RTVX9	900 CALLING; IN EASTERN CORRECT SUFFIXE	DALP0152	3	0.005270047	0.01581014
		TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING 976 &				
		LIKE PREFIXES CALLS *COMMENT: IN EASTERN CORRECT SUFFIXES				
Toll Restriction Service		UNKNOWN	DALP0152	81971		431.9909848
Toll Restriction Service	RTVXQ	TOLL RESTRICTION - BILLED NUMBER SCREENING	DALP0152	480	0.005270047	2.529622338
		TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING			y,	
Toll Restriction Service	RTVXY	10XXX+1 & 10XXX+011+ CALLS - CALLS ROUTED TO ANCMT	DALP0152	275	0.005270047	1.449262798
		TOLL RESTRICTION - PER LINE; IN CENTRAL, MAY INCLUDE 10XXX				
Toll Restriction Service	RTY	RESTRICTION	DALP0152	15	0.005270047	0.079050698
Call Forwarding: Busy Line/Don't Answer		CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30				
(Expanded)	ESB	CODE & 3-WAY CALLING	DALP0152	2	0.079842011	0.159684021
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
	) jagenspe	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER,		***		
Call Forwarding: Variable	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.031384719	0.34523191
	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER,				
Call Forwarding: Variable	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	3	0.502155506
Call Waiting/ Cancel Call Waiting	ER9	CALL WAITING & 3-WAY CALLING	DALP0152	31		2.217011046
Call Waiting/ Cancel Call Waiting	ET8	CALL WAITING - SPEED CALLING & 3-WAY CALLING	DALP0152	1	4	0.071516485
CFBL - All Calls	ESA	CALL FORWARDING - CALL WAITING & SPEED CALLING - 8 CODE	DALP0152	2	3 0.01011120	0.03883456
CLASS - Anonymous Call Rejection	N6S	•	DALP0152	1435	3	376.4011933
CLASS - Calling Name & Number	N6SD1		DALP0152	7	0.359329046	2.515303321
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
	*	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Priority Calling	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	3	0.620725945
Distinctive Ring/Distinctive Call Waiting	NSK	C.L.A.S.S DISTINCTIVE RINGING - CALL WAITING; PRIORITY CALL	DALP0152	25104	0.013979153	350.9326686
Speed Calling 30 Number	ER4	CALL FORWARDING - SPEED CALLING - 30 CODE	DALP0152	1	0.010285205	0.010285205
Speed Calling 30 Number	ER7	SPEED CALLING - 30 CODE & 3-WAY CALLING	DALP0152	8		0.082281636
Speed Calling 8 Number	ER3	CALL FORWARDING - SPEED CALLING - 8 CODE	DALP0152	7	0.010285205	0.071996432
Speed Calling 8 Number	ES6	CALL WAITING - SPEED CALLING - 8 CODE	DALP0152	€	0.010285205	0.061711227
Three Way Calling	ER5	CALL FORWARDING - 3-WAY CALLING	DALP0152	49	0.257924686	12.63830959
Three Way Calling	ETC	CALL FORWARDING - CALL WAITING & 3-WAY CALLING	DALP0152	65	0.257924686	16.76510456
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
Call Forwarding: Variable	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	,	0.156923596
Call Waiting/ Cancel Call Waiting	ESA	CALL FORWARDING - CALL WAITING & SPEED CALLING - 8 CODE	DALP0152	2	0.071516485	0.143032971

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Features	usoc	USOC DESC	DALP#	QTY	Cost per line	Total
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		7		
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER,				
CLASS - Anonymous Call Rejection	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.262300483	2.885305314
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
	e de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de la composição de l	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER,	:			
CLASS - Anonymous Call Rejection	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.262300483	4.19680773
	1	CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30				
Three Way Calling	ESB	CODE & 3-WAY CALLING	DALP0152	2	0.257924686	0.515849371
Three Way Calling	ET8	CALL WAITING - SPEED CALLING & 3-WAY CALLING	DALP0152	1	0.257924686	0.257924686
	and the second	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
	Change Control	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER,				
CLASS - Anonymous Call Rejection	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.262300483	1.311502416
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Calling Name & Number	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.359329046	3.952619504
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		)		
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Calling Name & Number	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.359329046	5.749264734
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		distance of the second		
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Calling Name & Number	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.359329046	1.796645229
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		operator.		
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Continuous Redial	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.229635281	2.525988091
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL		-		
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
CLASS - Continuous Redial	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.229635281	3.674164496
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER				
Three Way Calling	NLUBR	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.257924686	2.837171542
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
	700	FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER		a constant	Coperation	
Three Way Calling	NLUBS	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.257924686	1.289623428
		PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL				
		FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER		- Contraction		
Three Way Calling	NLUBT	CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.257924686	4.12679497
				Total DA	LPS 152	93921.774
					1	

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Features	USOC	USOC DESC	DALP#	QTY	Cost per line	Total
Call Forwarding Variable Remote	CV9	CALL FORWARDING - VARIABLE - PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	4480	0.041238791	184.7497821
Call Forwarding: Busy Line (Expanded)	69J	CALL FORWARDING - BUSY LINE; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178 448 DALP0178 56 ARD DALP0178 38 NE DALP0178 287 N LINE DALP0178 33 E; FOR DALP0178 512 ATION DALP0178 56 DALP0178 25 DALP0178 25 DALP0178 125 DALP0178 125 DALP0178 125		0.01941728	10.93192851
Call Forwarding: Don't Answer	69H	CALL FORWARDING - DON'T ANSWER; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	385	0.060424731	23.26352141
Call Hold/3-Way/Call Transfer	6APPK	CALL HOLD - PER SET; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	2877	0.257924686	742.0493205
Call Pickup	E3PPK	CALL PICK-UP - PER SET - PROVISIONING ONLY - STANDARD STATION LINE FEATURE	· · · · · · · · · · · · · · · · · · ·	332	0.007483408	2.484491583
Call Transfer	N13	CALL TRANSFER - CONSULTATION HOLD - 3-WAY CALLING - PER LINE; FOR CENTREX PLUS LINES & WATS TERMINATING ON CENTREX PLUS-PROVISIONING ONLY		5123	0.257924686	1321.348164
Call Waiting/ Cancel Call Waiting	6SY	CALL WAITING - TERMINATING; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	:	55	0.071516485	3.933406695
Conference Calling - Meet Me	GVT	CONFERENCE CALLING - STA CONTROLLED; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	3763	0	0
Directed Call Pickup without Barge-in	69D	DIRECTED CALL PICKUP - NON-BARGE-IN; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	252	0.029559816	7.449073554
Speed Calling 1 Digit Controller	EZJ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT; PROV ONLY- STANDARD STATION LINE FEATURE - CONTROLLER OF LIST	in and the second	4	0.010285205	0.041140818
Speed Calling 1 Digit User	GVJ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT	DALP0178	1253	0.010285205	12.88736131
Speed Calling 1 Digit User	GVZ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT; PROV ONLY- STANDARD STATION LINE FEATURE - USER OF LIST	DALP0178	16	0.010285205	0.164563273
Speed Calling 2 Digit User	EVH	ABBREVIATED DIALING - SPEED CALLING LIST - 2 DIGITS; PROV ONLY- STANDARD STATION LINE FEATURE - CONTROLLER OF LIST	DALP0178	15	0.010285205	0.154278068
Speed Calling 2 Digit User	GV2	ABBREVIATED DIALING - SPEED CALLING LIST - 2 DIGIT	DALP0178	81	0.010285205	0.833101569
Speed Calling 30 Number	GVV	ABBREVIATED DIALING - SPEED CALLING LIST 30 CODE - 2 DIGIT; PROV ONLY-STANDARD STATION LINE FEATURE - USER OF LIST	DALP0178	28	0.010285205	0.287985728
				Total DAL	_PS 178	2310.57812

Features	USOC	USOC DESC	DALP#	QTY	Cost per line	Total
		CALL FORWARDING - VARIABLE - PROVISIONING ONLY - STANDARD				
Call Forwarding Variable Remote	CV9	STATION LINE FEATURE	DALP0174	6878	0.041238791	283.6404021
		CALL FORWARDING - BUSY LINE; PROVISIONING ONLY - STANDARD				
Call Forwarding: Busy Line (Expanded)	69J	STATION LINE FEATURE	DALP0174	5469	0.01941728	106.1931031
Call Forwarding: Busy Line (Overflow)	E6G	CALL FORWARDING - BUSY LINE	DALP0174	3	0.01941728	0.058251839
Call Forwarding: Busy Line (Overflow)	E6GUR	CALL FORWARDING - BUSY LINE - UNRESTRICTED SOURCE	DALP0174	174	0.01941728	3.378606681
		CALL FORWARDING - DON'T ANSWER; PROVISIONING ONLY - STANDARD				
Call Forwarding: Don't Answer	69H	STATION LINE FEATURE	DALP0174	4560	0.060424731	275.536773
Call Forwarding: Don't Answer	E9G	CALL FORWARDING - DON'T ANSWER; FROZEN IN WASHINGTON	DALP0174	4	0.060424731	0.241698924
Call Forwarding: Don't Answer	E9GUR	CALL FORWARDING - DON'T ANSWER - UNRESTRICTED SOURCE	DALP0174	173	0.060424731	10.45347845
		CALL HOLD - PER SET; PROVISIONING ONLY - STANDARD STATION LINE				
Call Hold/3-Way/Call Transfer	6APPK	FEATURE	DALP0174	8020	0.257924686	2068.555979
Call Hold/3-Way/Call Transfer	EAB	CALL HOLD	DALP0174	24	0.257924686	6.190192455
Call Pickup	E3P	CALL PICK-UP	DALP0174	53	0.007483408	0.396620644
		CALL PICK-UP - PER SET - PROVISIONING ONLY - STANDARD STATION	~	Mr. dr. scrossossossossossos Ad		
Call Pickup	E3PPK	LINE FEATURE	DALP0174	3395	0.007483408	25.40617146
		CALL TRANSFER - CONSULTATION HOLD - 3-WAY CALLING - PER LINE;				
	and and	FOR CENTREX PLUS LINES & WATS TERMINATING ON CENTREX PLUS-				
Call Transfer	N13	PROVISIONING ONLY	DALP0174	24709	0.257924686	6373.061057
Call Waiting Originating	ESZ	CALL WAITING - ORIGINATING	DALP0174	1	0.022296332	0.022296332
		CALL WAITING - TERMINATING; PROVISIONING ONLY - STANDARD				
Call Waiting/ Cancel Call Waiting	6SY	STATION LINE FEATURE	DALP0174	4398	0.071516485	314.5295026
Call Waiting/ Cancel Call Waiting	E6N	CALL WAITING - INTRAGROUP	DALP0174	3	0.071516485	0.214549456
		CONFERENCE CALLING - STA CONTROLLED; PROVISIONING ONLY -				
Conference Calling - Meet Me	GVT	STANDARD STATION LINE FEATURE	DALP0174	948	0	0
		DIRECTED CALL PICKUP - NON-BARGE-IN; PROVISIONING ONLY -				
Directed Call Pickup without Barge-in	69D	STANDARD STATION LINE FEATURE	DALP0174	229	0.029559816	6.769197793
Message Waiting Indication Audible/Visual	AWT	AUTOMATIC MESSAGE DESK - MESSAGE WAITING INDICATOR	DALP0174	7	0	0
		ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT: PROV ONLY-			_	
Speed Calling 1 Digit Controller	EZJ	STANDARD STATION LINE FEATURE - CONTROLLER OF LIST	DALP0174	2266	0.010285205	23.30627352
Speed Calling 1 Digit User	GVJ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT	DALP0174	1911	0.010285205	19.6550259
opeca Calling 1 Digit 3001		ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT; PROV ONLY-			0.0.0200200	10100000
Speed Calling 1 Digit User	GVZ	STANDARD STATION LINE FEATURE - USER OF LIST	DALP0174	59	0.010285205	0.606827069
Opeca Calling 1 Digit Gool		ABBREVIATED DIALING - SPEED CALLING LIST - 2 DIGITS; PROV ONLY-			0.0.000000	0.000001.000
Speed Calling 2 Digit User	EVH	STANDARD STATION LINE FEATURE - CONTROLLER OF LIST	DALP0174	373	0.010285205	3.836381299
Speed Calling 2 Digit User	GV2	ABBREVIATED DIALING - SPEED CALLING LIST - 2 DIGIT	DALP0174	3885	0.010285205	39.9580197
Opoca Cannig L Digit Coo.		ABBREVIATED DIALING - SPEED CALLING LIST 30 CODE - 2 DIGIT; PROV		\$		
Speed Calling 30 Number	GVV	ONLY-STANDARD STATION LINE FEATURE - USER OF LIST	DALP0174	299	0.010285205	3.075276162
Speed Calling 8 Number	E6A	SPEED CALLING - 6 CODE - CUST CHANGEABLE	DALP0174	52	0.010285205	0.534830637
open Calling o Harrison		3-WAY CONFERENCE TRANSFER - PER STATION; FROZEN IN		A		
Three Way Calling	E2H	WASHINGTON	DALP0174	353	0.257924686	91.04741402
Tinoo vay caming					3.23, 32, 300	2
				Total DAI	PS 174	9656.667928
				יטומו טאו	-1 0 174	0000.007820

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Features	USOC	USOC DESC	DALP#	QTY	Cost per line	Total
		MULTILINE VARIETY PACKAGE - PLAN 3 - CENTRON I-BASIC PACKAGE	- constant			
Call Hold/3-Way/Call Transfer	MVP11	INCLUDES TT, CALL HOLD, TRANSFR, 3-WAY CALLING	DALP0144	847	0.257924686	218.4622087
Call Pickup	MVPCU	MULTILINE VARIETY PACKAGE - CALL PICKUP; CENTRON I	DALP0144	44	0.007483408	0.329269969
Call Waiting/ Cancel Call Waiting	1	MULTILINE VARIETY PACKAGE - CALL WAITING; CENTRON I-CALL WAITING	DALP0144	29	0.071516485	2.073978076
Group Intercom	MVP1N	MULTILINE VARIETY PACKAGE - INTERCOM - 6 CODE CAPACITY; CENTRON I	DALP0144	1	0.082498235	0.082498235
Speed Calling 30 Number	ESF1L	SPEED CALLING - 30 CODE CAPACITY - 1ST LINE; CENTRON I CONVENIENCE DIALING	DALP0144	2	0.010285205	0.020570409
Speed Calling 30 Number	MVPCD	MULTILINE VARIETY PACKAGE - CONVENIENCE DIALING - 30 NO LIST; CENTRON I-CONV DIALING 30 NUMBER LIST	DALP0144	13	0.010285205	0.133707659
Speed Calling 8 Number	MBWCD	MULTILINE VARIETY PACKAGE - CONVENIENCE DIALING - 6 NO LIST; CENTRON I	DALP0144	12	0.010285205	0.123422455
Station Dial Conferencing (6 Way)	MVP6C	MULTILINE VARIETY PACKAGE - CONFERENCE CALLING - 6 PORT	DALP0144	8	0	0
				Total	DALPS 144	221.2256555

WINPC3 ©

Parameter File: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 4 Costs Format: Monthly Group Totals: Yes

ACF Input: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 ACF Outputs"

Investment: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Investments"

Output: Y:\Backup Srvr\SGAT Features\South Dakota\Features in Port\SD SGAT Feat 6418.xls, Sheet "WINPC3 Output"

State: South Dakota

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		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
10XXX Direct Dialed Blocking		\$0.0344	\$0.0000	\$0.0005	\$0.0000	\$0.0001	\$0.0007	\$0.0000	\$0.0007
Account Codes - per system		\$352.3789	\$0.0000	\$5.5952	\$0.2772	\$1.5215	\$7.1167	\$0.5073	\$7.6240
Attendant Access Line - per station line		\$0.2816	\$0.0000	\$0.0045	\$0.0002	\$0.0012	\$0.0057	\$0.0004	\$0.0061
Audible Message Waiting		\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Authorization Codes - per system		\$148.0896	\$0.0000	\$2.3514	\$0.1165	\$0.6394	\$2.9908	\$0.2132	\$3.2040
Auto Callback		\$0.3808	\$0.0000	\$0.0060	\$0.0003	\$0.0016	\$0.0077	\$0.0005	\$0.0082
Automatic Line		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Automatic Route Selection - Common Equip. per system		\$101.3285	\$0.0000	\$1.6089	\$0.0797	\$0.4375	\$2.0464	\$0.1459	\$2.1923
Blocking of pay per call services		\$1.5496	\$0.0000	\$0.0246	\$0.0012	\$0.0067	\$0.0313	\$0.0022	\$0.0335
Bridging		\$0.0186	\$0.0000	\$0.0003	\$0.0000	\$0.0001	\$0.0004	\$0.0000	\$0.0004
Call Drop		\$0.0043	\$0.0000	\$0.0001	\$0.0000	\$0.0000	\$0.0001	\$0.0000	\$0.0001
Call Exclusion - Automatic		\$0.0001	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Call Exclusion - Manual		\$0.0001	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Call Forward Don't Answer - All Calls		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding Incoming Only		\$0.2881	\$0.0000	\$0.0046	\$0.0002	\$0.0012	\$0.0058	\$0.0004	\$0.0062
Call Forwarding Intra Group Only		\$0.2519	\$0.0000	\$0.0040	\$0.0002	\$0.0011	\$0.0051	\$0.0004	\$0.0055
Call Forwarding Variable Remote		\$1.9060	\$0.0000	\$0.0303	\$0.0015	\$0.0082	\$0.0385	\$0.0027	\$0.0412
Call Forwarding: Busy Line (Expanded)		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (External)		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (External) Don't Answer		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Busy Line (Overflow)		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
Call Forwarding: Busy Line (Overflow) Don't Answer		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Busy Line (Programmable)		\$1.2779	\$0.0000	\$0.0203	\$0.0010	\$0.0055	\$0.0258	\$0.0018	\$0.0276

State: South Dakota

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Call Forwarding: Busy Line/Don't Answer (Expanded)		\$3.6903	\$0.0000	\$0.0586	\$0.0029	\$0.0159	\$0.0745	\$0.0053	\$0.0798
Call Forwarding: Don't Answer		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding: Don't Answer (Expanded)		\$2.7928	\$0.0000	\$0.0443	\$0.0022	\$0.0121	\$0.0564	\$0.0040	\$0.0604
Call Forwarding: Don't Answer (Programmable)		\$2.6067	\$0.0000	\$0.0414	\$0.0021	\$0.0113	\$0.0526	\$0.0038	\$0.0564
Call Forwarding: Variable		\$1.4506	\$0.0000	\$0.0230	\$0.0011	\$0.0063	\$0.0293	\$0.0021	\$0.0314
Call Forwarding: Variable - no call complete option		\$1.4506	\$0.0000	\$0.0230	\$0.0011	\$0.0063	\$0.0293	\$0.0021	\$0.0314
Call Hold		\$0.3934	\$0.0000	\$0.0062	\$0.0003	\$0.0017	\$0.0079	\$0.0006	\$0.0085
Call Hold/3-Way/Call Transfer		\$11.9212	\$0.0000	\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Call Park (Basic - Store & Retrieve)		\$0.9003	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0182	\$0.0013	\$0.0195
Call Pickup		\$0.3459	\$0.0000	\$0.0055	\$0.0003	\$0.0015	\$0.0070	\$0.0005	\$0.0075
Call Transfer		\$11.9212		\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Call Waiting Dial Originating		\$0.5195	\$0.0000	\$0.0082	\$0.0004	\$0.0022	\$0.0105	\$0.0007	\$0.0112
Call Waiting Indication - per timing state		\$18.6671	\$0.0000	\$0.2964	\$0.0147	\$0.0806	\$0.3770	\$0.0269	\$0.4039
Call Waiting Originating		\$1.0305	\$0.0000	\$0.0164	\$0.0008	\$0.0044	\$0.0208	\$0.0015	\$0.0223
Call Waiting Terminating - All Calls		\$2.0649	\$0.0000	\$0.0328	\$0.0016	\$0.0089	\$0.0417	\$0.0030	\$0.0447
Call Waiting Terminating - Incoming Only		\$2.0649	\$0.0000	\$0.0328	\$0.0016	\$0.0089	\$0.0417	\$0.0030	\$0.0447
Call Waiting/ Cancel Call Waiting		\$3.3055	\$0.0000	\$0.0525	\$0.0026	\$0.0143	\$0.0668	\$0.0048	\$0.0715
Centrex Plus DID numbers per number		\$1.9163	\$0.0000	\$0.0304	\$0.0015	\$0.0083	\$0.0387	\$0.0028	\$0.0415
Centrex Plus to Centrex Plus		\$245.5542		\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to IC Carrier		\$245.5542	\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to PBX/Key Blocked		\$245.5542	\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
Centrex Plus to PBX/Key Non-Blocked			\$0.0000	\$3.8990	\$0.1931	\$1.0603	\$4.9593	\$0.3535	\$5.3128
CFBL - All Calis		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
CFBL - Incoming Only		\$0.8975	\$0.0000	\$0.0143	\$0.0007	\$0.0039	\$0.0181	\$0.0013	\$0.0194
CFDA Incoming Only		\$0.3927	\$0.0000	\$0.0062	\$0.0003	\$0.0017	\$0.0079	\$0.0006	\$0.0085
CLASS - Anonymous Call Rejection		\$12.1234		\$0.1925	\$0.0095	\$0.0523	\$0.2448	\$0.0175	\$0.2623
CLASS - Call Waiting ID		\$1.4442	\$0.0000	\$0.0229	\$0.0011	\$0.0062	\$0.0292	\$0.0021	\$0.0312
CLASS - Calling Name & Number		\$16.6080		\$0.2637	\$0.0131	\$0.0717	\$0.3354	\$0.0239	\$0.3593
CLASS - Calling Number Delivery		\$2.2466	\$0.0000	\$0.0357	\$0.0018	\$0.0097	\$0.0454	\$0.0032	\$0.0486
CLASS - Calling Number Delivery - Blocking		\$13.4656		\$0.2138	\$0.0106	\$0.0581	\$0.2720	\$0.0194	\$0.2913
CLASS - Continuous Redial		\$10.6136		\$0.1685	\$0.0083	\$0.0458	\$0.2144	\$0.0153	\$0.2296
CLASS - Last Call Return			\$0.0000	\$0.0505	\$0.0025	\$0.0137	\$0.0642	\$0.0046	\$0.0688
CLASS - Priority Calling		\$5.7379	\$0.0000	\$0.0911	\$0.0045	\$0.0248	\$0.1159	\$0.0083	\$0.1241
CLASS - Selective Call Forwarding		\$5.2063	\$0.0000	\$0.0827	\$0.0041	\$0.0225	\$0.1051	\$0.0075	\$0.1126
CLASS - Selective Call Rejection		\$12.0256		\$0.1909	\$0.0095	\$0.0519	\$0.2429	\$0.0173	\$0.2602
Custom Ringing First Line (Short/Long/Short)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
Custom Ringing First Line (Short/Short)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
Custom Ringing First Line (Short/Short/Long)		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137

		Loaded	Direct	Invst. Based &	Network	Other Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Custom Ringing Second Line (Short/Long/Short)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Second Line (Short/Short)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Second Line (Short/Short/Long)		\$0.5930	\$0.0000	\$0.0094	\$0.0005	\$0.0026	\$0.0120	\$0.0009	\$0.0128
Custom Ringing Third Line (Short/Long/Short)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Custom Ringing Third Line (Short/Short)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Custom Ringing Third Line (Short/Short/Long)		\$0.4742	\$0.0000	\$0.0075	\$0.0004	\$0.0020	\$0.0096	\$0.0007	\$0.0103
Data Call Protection (DMS 100)		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Dir Sta Sel/Busy Lamp Fld per arrangement		\$83.2220	\$0.0000	\$1.3214	\$0.0655	\$0.3593	\$1.6808	\$0.1198	\$1.8006
Directed Call Pickup with Barge-in		\$4.9722	\$0.0000	\$0.0790	\$0.0039	\$0.0215	\$0.1004	\$0.0072	\$0.1076
Directed Call Pickup without Barge-in		\$1.3662	\$0.0000	\$0.0217	\$0.0011	\$0.0059	\$0.0276	\$0.0020	\$0.0296
Distinctive Ring/Distinctive Call Waiting		\$0.6461	\$0.0000	\$0.0103	\$0.0005	\$0.0028	\$0.0130	\$0.0009	\$0.0140
Distinctive Ringing		\$0.6322	\$0.0000	\$0.0100	\$0.0005	\$0.0027	\$0.0128	\$0.0009	\$0.0137
EBS - Set Interface - per station line		\$65.2987	\$0.0000	\$1.0368	\$0.0514	\$0.2819	\$1.3188	\$0.0940	\$1.4128
Executive Busy Overide		\$0.0680	\$0.0000	\$0.0011	\$0.0001	\$0.0003	\$0.0014	\$0.0001	\$0.0015
Expensive Route Warning Tone- per system		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Facility Restriction Level - per system	3	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Feature Display		\$0.0100	\$0.0000	\$0.0002	\$0.0000	\$0.0000	\$0.0002	\$0.0000	\$0.0002
Group Intercom		\$3.8130	\$0.0000	\$0.0605	\$0.0030	\$0.0165	\$0.0770	\$0.0055	\$0.0825
Hot Line - per line		\$2.6664	\$0.0000	\$0.0423	\$0.0021	\$0.0115	\$0.0539	\$0.0038	\$0.0577
Hunting: Multiposition Circular Hunting		\$9.4220	\$0.0000	\$0.1496	\$0.0074	\$0.0407	\$0.1903	\$0.0136	\$0.2039
Hunting: Multiposition Hunt Queuing		\$7.3801	\$0.0000	\$0.1172	\$0.0058	\$0.0319	\$0.1491	\$0.0106	\$0.1597
Hunting: Multiposition Series Hunting		\$9.4220	\$0.0000	\$0.1496	\$0.0074	\$0.0407	\$0.1903	\$0.0136	\$0.2039
Hunting: Multiposition with Announcement in Queue		\$145.8437	\$0.0000	\$2.3158	\$0.1147	\$0.6297	\$2.9455	\$0.2100	\$3.1555
Hunting: Multiposition with Music in Queue		\$50.1332	\$0.0000	\$0.7960	\$0.0394	\$0.2165	\$1.0125	\$0.0722	\$1.0847
Incoming Calls Barred		\$0.3407	\$0.0000	\$0.0054	\$0.0003	\$0.0015	\$0.0069	\$0.0005	\$0.0074
International Direct Dial Blocking		\$0.5429	\$0.0000	\$0.0086	\$0.0004	\$0.0023	\$0.0110	\$0.0008	\$0.0117
ISDN Short Hunt		\$23.7663	\$0.0000	\$0.3774	\$0.0187	\$0.1026	\$0.4800	\$0.0342	\$0.5142
Line Side Answer Supervision		\$0.9825		\$0.0156	\$0.0008	\$0.0042	\$0.0198	\$0.0014	\$0.0213
Loudspeaker Paging - per trunk group		\$1,054.4513		\$16.7429	\$0.8294	\$4.5529	\$21.2959	\$1.5181	\$22.8140
Make Busy Arrangements - per group	11 44	\$13.5996	\$0.0000	\$0.2159	\$0.0107	\$0.0587	\$0.2747	\$0.0196	\$0.2942
Make Busy Arrangements - per line		\$3.3999	\$0.0000	\$0.0540	\$0.0027	\$0.0147	\$0.0687	\$0.0049	\$0.0736
Message Center - per main station line		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Message Waiting Indication Audible/Visual	31 27	\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Message Waiting Visual		\$2.5429	\$0.0000	\$0.0404	\$0.0020	\$0.0110	\$0.0514	\$0.0037	\$0.0550
Music On Hold - per system		\$1,086.9316		\$17.2587	\$0.8549	\$4.6932	\$21.9519	\$1.5648	\$23.5167
Network Speed Call		\$0.0145		\$0.0002	\$0.0000	\$0.0001	\$0.0003	\$0.0000	\$0.0003
Night Service Arrangement		\$0.0772	\$0.0000	\$0.0012	\$0.0001	\$0.0003	\$0.0016	\$0.0001	\$0.0017
Outgoing Calls Barred		\$0.0256	\$0.0000	\$0.0004	\$0.0000	\$0.0001	\$0.0005	\$0.0000	\$0.0006

# State: South Dakota

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Outgoing Trunk Queuing		\$2.8187	\$0.0000	\$0.0448	\$0.0022	\$0.0122	\$0.0569	\$0.0041	\$0.0610
Privacy Release		\$0.1499	\$0.0000	\$0.0024	\$0.0001	\$0.0006	\$0.0030	\$0.0002	\$0.0032
Query Time	80 m.c. 2000,00	\$8.3070	\$0.0000	\$0.1319	\$0.0065	\$0.0359	\$0.1678	\$0.0120	\$0.1797
Speed Calling 1 Digit Controller	A STATE	\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 1 Digit User		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 1# List Individual		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2 Digit Controller		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2 Digit User	477	\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 2# List Individual		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 30 Number		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Speed Calling 8 Number		\$0.4754	\$0.0000	\$0.0075	\$0.0004	\$0.0021	\$0.0096	\$0.0007	\$0.0103
Station Camp-On Service - per main station		\$387.9348	\$0.0000	\$6.1598	\$0.3051	\$1.6750	\$7.8348	\$0.5585	\$8.3933
Station Message Detail Recording (SMDR)		\$1.5847	\$0.0524	\$0.0811	\$0.0040	\$0.0221	\$0.1032	\$0.0074	\$0.1106
Three Way Calling		\$11.9212	\$0.0000	\$0.1893	\$0.0094	\$0.0515	\$0.2408	\$0.0172	\$0.2579
Time and Date Display		\$5.1972	\$0.0000	\$0.0825	\$0.0041	\$0.0224	\$0.1050	\$0.0075	\$0.1124
Time of Day Control for ARS - per system		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Time of Day NCOS Update	3.6.2	\$0.2654	\$0.0000	\$0.0042	\$0.0002	\$0.0011	\$0.0054	\$0.0004	\$0.0057
Time of Day Routing - per line		\$2.7645	\$0.0000	\$0.0439	\$0.0022	\$0.0119	\$0.0558	\$0.0040	\$0.0598
Toll Restriction Service		\$0.2436	\$0.0000	\$0.0039	\$0.0002	\$0.0011	\$0.0049	\$0.0004	\$0.0053
Trunk Answer Any Station		\$0.0772	\$0.0000	\$0.0012	\$0.0001	\$0.0003	\$0.0016	\$0.0001	\$0.0017
Trunk Verification from Designated Station		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
UCD in hunt group - per line		\$385.2874	\$0.0000	\$6.1177	\$0.3030	\$1.6636	\$7.7813	\$0.5547	\$8.3360
UCD with Music After Delay		\$254.0599	\$0.0000	\$4.0340	\$0.1998	\$1.0970	\$5.1310	\$0.3658	\$5.4968

WINPC3

#### Lines from Release0202A - Data from Jan 2001

CLLI Code	Office Name	State	Number of Working Lines - Today
ABRDSDCODS0	ABERDEEN	SD	17715
HURNSDCODS1	HURON	SD	8740
PIRRSDCODS6	PIERRE	SD	13382
RPCYSDCODS1	RAPID CITY IDSN	SD	34931
SXFLSDCODS2	SIOUX FALLS	SD	59934
WTTWSDCODS0	WATERTOWN	SD	12324
YNTNSDCODS1	YANKTON	SD	6955
ARTNSDCORS1	ARLINGTON	SD	1188
BLFRSDCORS1	BELLE FOURCHE	SD	2025
BLHKSDCERS1	BLACKHAWK	SD	4095
CHBLSDCORS1	CHAMBERLAIN	SD	2259
DDWDSDCORS1	DEADWOOD	SD	1581
ELPNSDCORS1	ELK POINT	SD	650
FTPRSDCERS1	FORT PIERRE	SD	1538
HLCYSDCORS1	HILL CITY	SD	1837
HRBGSDCORS1	HARRISBURG	SD	1055
LEADSDCORS1	LEAD	SD	1353
MDSNSDCERS1	MADISON	SD	4307
RDFDSDCORS1	REDFIELD	SD	2757
RPVYSDCORS1	RAPID VALLEY	SD	3691
SPRFSDCORS1	SPEARFISH	SD	5215
STRGSDCORS1	STURGIS	SD	2626
SXFLSDSERS1	SXFL SOUTHEAST	SD	4154
TEA-SDCORS1	TEA	SD	1058
VRMLSDCORS1	VERMILLION	SD	8484
WHWDSDCORS1	WHITEWOOD	SD	288
WRWKSDCORS1	WARWICK	SD	3576
SXFLSDSWDS0	SXFL SOUTHWEST	SD	13826
MCINSDCODS0	MCINTOSH	SD	278
MRTWSDCORS2	Morristown	SD	224
TMLKSDCORS2	Timberlake	SD	518
MTCHSDCODS1	MITCHELL	SD	10397
CAVRSDCORS1	CAVOUR	SD	274
CLMNSDCORS1	COLMAN	SD	420
CNTNSDCORS1	CANTON	SD	1107
DESMSDCORS1	DESMET	SD	1084
FLNDSDCORS1	FLANDREAU	SD	1529
IRQSSDCORS1	IROQUOIS	SD	363
LKPRSDCORS1	LAKE PRESTON	SD	743

#### Lines from Release0202A - Data from Jan 2001

CLLI Code	Office Name	State	Number of Working Lines - Today
MLBNSDCORS1	MILBANK	SD	3511
MLLRSDCORS1	MILLER	SD	1541
VOLGSDCORS1	VOLGA	SD	1292
		Total SD	244825

#### MODEL DESCRIPTIONS

#### 1. QWEST SWITCHING COST MODEL:

Output developed in the Switching Features Cost Model (SCM) is contained in a project file. For this study, the source project file is called SCM10.02 Final SGAT Feat-6Prt 04-02.xls,SCM10.02 CustRng2nd 04-02.xls,SCM10.02 UCD Feat 04-02.xls Authorized users will have access to the Switching Features Cost Module as an executable file named Scmfeat10.exe The project file can be opened within this module so that the investment components of the switch feature can be fully evaluated.

The Switching Cost Model (SCM) is a set of menu driven PC engineering cost models developed in the QWEST Service Costs and Economic Analysis organization (SCEA). SCM provides unit investments for various services and features provided by the DMS-10, DMS-100, DMS-200, DMS-100/200, and 5ESS switching equipment. The model has a Features module which provides unit investments for features (e.g., Custom Calling, MVP, Centrex).

SCM Core is the first of three major processes in the SCM Model. SCM Core determines the Average Busy Season, Busy Hour, unit investments by functional category. Other models use the Busy Hour investments as input. The SCM Calls process of the model calculates investments for call setup and conversation CCS. The SCM Features process of the model calculates unit investments for central office features.

The SCM Features process develops investments for features by using the functional category unit investments created in SCM Core along with inputs provided by the SCM Features model user. There is an investment developed for each part of the feature, for example, activation, deactivation, and call attempt. The SCM Features process determines ABSBH investment associated with a feature by partitioning the feature into its components and determining the components not recovered by other rate elements. Cost of the feature must cover those components not recovered by other rate elements. The subscribers busy hour use of the feature drives the investments required. SCM displays most feature costs as an investment per line, consistent with the rate plans for the features. The investments provided also contain investment loadings from WINPC3 of Power, Sales Tax, TELCO, and Interest During Construction.

The Switching Cost Model (SCM) provides QWEST with a flexible and consistent process to provide switching costs suitable to develop price floors. SCM applies long run incremental costing principles for cost development, with consideration given to anticipated long run demand. This approach yields costs that are an appropriate price floor, allowing QWEST to make proper pricing decisions for its services.

#### 2. Retail Cost Program (RCP):

The Retail Cost Program (RCP) develops retail costs from investments and/or expenses associated with QWEST products and services.

The RCP will apply investment loadings and annual cost factors, as applicable, to an investment and/or expense. The program calculates Direct Costs (TSLRIC), Network Support Costs, Attributable Costs, and Fully Allocated Costs resulting from an investment or expense.

## **Model Definitions**

#### SCM Definitions:

INVESTMENT: An investment is the amount of capital used to purchase equipment and material to provide a service.

**ENGINEERED FURNISHED & INSTALLED (EF&I)**: An Engineered, Furnished and Installed investment includes installation by the Vendor: An EF&I investment includes a dollar amount for the equipment, material, engineering, furnishing (delivery and/or supply) and installation.

**TOTAL INSTALLED INVESTMENT (TII):** A TII investment includes a dollar amount for equipment, material, engineering, furnishing & installation as well as a dollar amount (if applicable) for Power, Sales Tax, Telco labor and Interest During Construction (IDC).

#### RCP Definitions:

EXPENSE: An expense is the amount of non-capitalized dollars associated with the provision of a product or service.

**INFLATION**: Inflation is an increase in the amount of an investment from a base year to the study year. Inflation results from increases in the cost of money, material, or any other items impacting the value of an investment. The model can apply inflation to EF&I or Total Installed investments.

**LOADING FACTORS**: Loading factors applied to an EF&I investment provide the additional dollar amounts to bring an EF&I investment to the Total Installed Investment level.

**POWER**: The power factor estimates the investment required for Central Office back up power equipment (used for EF&I Central Office Equipment [COE] accounts only).

**SALES TAX**: The sales tax factor provides the amount of sales tax paid on vendor provided material and equipment (used for all accounts).

TELCO: The TELCO factor develops the dollar amount of Qwest engineering and labor involved with vendor installation (used for EF&I accounts only).

**INTEREST DURING CONSTRUCTION**: The interest during construction factor estimates the amount of interest that accrues on construction dollar amounts until completion (used with all accounts).

**LAND & BUILDING:** The land and building factors applied to a Total Installed Central Office equipment investment recovers the investment in Central Office land and buildings. Annual cost factors are applicable to the land and building investments (used with COE accounts only).

**ANNUAL COST FACTORS:** Annual cost factors identify the annual costs associated with Total Installed Investments. There are two types of Annual Cost Factors (Investment based and Expense based). Annual cost factors are appropriate for use with all accounts.

**INVESTMENT BASED FACTORS**: Investment based annual cost factors applied to a Total Installed Investment identify annual costs directly related to the use of an investment.

MAINTENANCE COSTS: Maintenance costs represent the cost of upkeep, trunk and line testing, rearrangements and changes.

**CAPITAL COSTS (CAPCOST):** Capital costs are annual or monthly costs associated with recovery of a total installed investment.

AD VALOREM TAX: The ad valorem factor estimates the annual "property tax" applicable to an investment.

**EXPENSE BASED FACTORS**: These factors applied to an expense created by the Investment Based Factors will identify additional expenses resulting from the provision of a service.

**SALES EXPENSE**: The sales expense factor determines the amount of expense associated with making a sale. It develops the relevant expense pertaining to the cost of a sale up to the "hand shake" as well as a portion of capital costs. We divide this expense by total direct cost.

**PRODUCT MANAGEMENT EXPENSE**: The product management factor develops the amount of expense associated with managing the products of the business. This expense includes all expense relevant to Product Management, as well as a portion of capital costs. We divide this expense by total direct cost.

**ADMINISTRATION**: The administration expense factor develops the administration expense associated with COE, Outside Plant (OSP), and coin services.

**SALES COMPENSATION EXPENSE**: The sales compensation factor develops the amount of sales compensation resulting from successfully completing a business sale. This is a revenue based factor that includes compensation for business sales only. We divide sales compensation by total business revenues.

**RIGHT TO USE FEES**: The right to use (RTU) fees factor estimates some of the software expense associated with the purchase of digital switches.

**BUSINESS FEES**: The business fees factor develops a dollar amount associated with state fees and taxes assessed on the aggregate revenue of those states that impose such fees and taxes.

**COMMON**: Common calculates expenses common to the firm.

# **Executive Summary**

# SOUTH DAKOTA DS0 SUB-LOOP DISTRIBUTION

**STUDY ID 6427** 

PRESCRIBED LIVES 10.14% COM

2002 RECURRING COST STUDY

**MAY 2002** 

# DS0 SUB-LOOP DISTRIBUTION

# SOUTH DAKOTA 2002

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#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate Qwest's 2002 long-run incremental costs for DS0 Sub-Loop Distribution within the state of South Dakota.

This study develops statewide average Total Element Long Run Incremental Costs (TELRIC). Costs are specific to the state of South Dakota and are stated on a per channel basis, unless specified otherwise. Cost results are based on Commission Prescribed Lives and 10.14 % Cost Of Money (COM).

#### **B. DESCRIPTION OF SERVICE**

The DS0 Sub-Loop Distribution provides a CLEC with access to various Sub-Loop Unbundled elements at the established Field Connection Point arrangements.

This cost study includes the costs for the following component:

**Building Cable** - The CLEC places outside plant to a building and wishes to access the Qwest owned riser cable or inside wire through a building terminal. The CLEC or building owner will place a common terminal or cross-connect facility that Qwest will jumper to the Qwest terminal and the riser / inside wire.

#### C. STUDY METHODOLOGY

Qwest uses the Loop Module Program to calculate the total element long run incremental costs associated with Sub-Loop Distribution. This model calculates the incremental costs of essential network components. Loop Mod also includes a unit investment file that includes the cost of each investment component.

The TELRIC Windows Personal Computer Cost Calculator (Wholesale Cost Program) was used to convert installed investments to monthly costs by applying appropriate investment and expense factors to the installed investment.

#### D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are not embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs** (**TELRIC**) represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

Fully Allocated Costs represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- 1) Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by Qwest today.
- 2) All network investments are forward-looking:
- 3) All costs displayed are a 2002 level.
- 4) Cost results are based on Commission Prescribed Lives and 10.14 % COM

Major Cost Drivers		
Inflation		
ALABAMA AND AND AND AND AND AND AND AND AND AN	Cost Of Money	10.14%
	ALCO AL MANUFACTURE AND A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	
	4	
WARTER TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE T		
	Common	04/02
	Common Common	04/02
	Billing & Collection (PL) Other Direct Expenses	01/01
	Marketing Factors	04/02 01/01
	COE Land & Bldg	02/02
	Ad Valorem	02/02
	Maintenance	02/02
	Capital Recovery	04/02
Cost Factors Used	Factor	Effective Date
	Cost Factors Model (TELRIC)	UZ V I
	Wholesale Cost Program Cost Factor Databases	2.08 02SD01E
Models Used	Model	Version
4.0		
Duay Horion	1201101	May 20, 2002
Study Review	Reviewer	Date
Cost Analyst	David Workman	
Completion Date	May 20, 2002	
Study Applications		
Cost Luciol Gloup		
Cost Factor Group	Interconnection	
Type of Study Study ID	6427	
Study Requester	Robyn Libadia TELRIC	

Parameter File: H:\Gollehon\_Team\Recurring\Workman\SubLoopDist\SD\SLDmay02\SLDsd#6427.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 2 Costs Format: Monthly Group Totals: Yes

ACF Input: H:\Gollehon\_Team\Recurring\Workman\SubLoopDist\SD\SLDmay02\SLDsd#6427.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: H:\Gollehon\_Team\Recurring\Workman\SubLoopDist\SD\SLDmay02\SLDsd#6427.xls, Sheet "WINPC3 ACF Outputs"

Investment: H:\Gollehon\_Team\Recurring\Workman\SubLoopDist\SD\SLDmay02\SLDsd#6427.xls, Sheet "WINPC3 Investments"

Output: H:\Gollehon\_Team\Recurring\Workman\SubLoopDist\SD\SLDmay02\SLDsd#6427.xls, Sheet "WINPC3 Output"

State: South Dakota

		Loaded	Direct	Invst. Based &	Network	Other Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
BUILDING CABLE - PER PAIR		\$22.30	\$0.02	\$0.38	\$0.02	\$0.10	\$0.48	\$0.03	\$0.52
DISTRIBUTION - AVERAGE		\$710.51	\$0.02	\$12.82	\$0.63	\$3.49	\$16.30	\$1.16	\$17.46
DISTRIBUTION - ZONE 1		\$461.78	\$0.02	\$8.26	\$0.41	\$2.25	\$10.51	\$0.75	\$11.26
DISTRIBUTION - ZONE 2		\$769.25	\$0.02	\$13.84	\$0.69	\$3.76	\$17.61	\$1.26	\$18.86
DISTRIBUTION - ZONE 3		\$868.91	\$0.02	\$15.74	\$0.78	\$4.28	\$20.02	\$1.43	\$21.44

Olubum 7 Alb			TOTAL TOTAL	,00.0			
5/20/0. J9 PM							
	Source or	Factor	BUILDING CABLE	DISTRIBUTION -	DISTRIBUTION -	DISTRIBUTION -	DISTRIBUTION -
Row South Dakota	Calculation	Value	- PER PAIR	AVERAGE	ZONE 1	ZONE 2	ZONE 3
		Α	В	С	D	HOLLY ENGLY	Barrier Barrier
1 Investment	sl r"Total" cD		22,30	710.51	461.78	769.25	868.91
2 3 Investment Based Costs	si r"Total" cK		0.35	12.33	7.95	13.32	15.15
4	311 Total OK		0.00	12.00	7.00	10.02	10.10
5 Direct Expenses			0.02	0.02	0.02	0.02	0.02
6 Miscellaneous Expenses			0.00	0.00	0.00	0.00	0.00
7 Billing & Collection - PL	cA*(r8-r6)	0.004304	0.00	0.05	0.03	0.06	0.07
8 Total Investment Based + Billing & Collection	, ,		0.37	12.40	8.00	13.39	15.23
9							
10 Marketing & Business Fees							
11 Product Management Expense	cA*(r8-r6)	0.019957		0.25	0.16	0.27	0.30
12 Sales Expense	cA*(r8-r6)	0.011877	0.00	0.15	0.09	0.16	0.18
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00	0.00
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.00	0.02	0.01	0.02	0.02
15 Marketing & Business Fees Total	Sum r11:r14		0.01	0.41	0.27	0.45	0.51
16							
17 Sub-Total Invst., B & C, Mktg	r8 + r15		0.38	12.82	8.26	13.84	15.74
18							
19 Other Direct Expenses							
20 Network Operations	cA*(r17-r6)	0.034832		0.45	0.29	0.48	0.55
21 Network Support Assets	cA*(r17-r6)	0.014703		0.19	0.12	0.20	0.23
22 General Support Assets	cA*(r17-r6)	0.088742		1.14	0.73	1.23	1.40
23 General Purpose Computers	cA*(r17-r6)	0.043342		0.56	0.36	0.60	0.68
24 Uncollectible	cA*(r17-r6)	0.003786		0.05	0.03	0.05	0.06
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346		0.09	0.06	0.10	0.12
26 Human Resources Expense	cA*(r17-r6)	0.008294		0.11	0.07	0.11	0.13
27 Information Management Expense	cA*(r17-r6)	0.070887		0.91	0.59	0.98	1.12
28 Intangibles	cA*(r17-r6)	0.000000		0.00	0.00	0.00	0.00
29 Total Other Direct Expenses	Sum r20:r28		0.10	3.49	2.25	3.76	4.28
30			0.40	10.00	10.51	47.04	00.00
31 TELRIC	r17 + r29		0.48	16.30	10.51	17.61	20.02
32							
33 Common	~ A * / * O + * C \	0.04400	0.01	0.18	0.12	0.20	0.23
34 Executive Expense	cA*(r31-r6)	0.011267 0.000525		0.18	0.12	0.20	0.23
35 Planning Expense	cA*(r31-r6)	0.000525		0.62	0.01	0.67	0.76
36 External Relations Expense	cA*(r31-r6)	0.037846		0.02	0.40	0.67	0.09
37 Legal Expense	cA*(r31-r6)	0.004717		0.03	0.03	0.08	0.09
38 Other Procurement Expense	cA*(r31-r6)			0.03	0.02	0.03	0.04
39 Research & Development Expense	cA*(r31-r6)	0.000006		0.00	0.00	0.00	0.30
40 Other General and Admin Expense	cA*(r31-r6) <b>Sum r34:r40</b>	0.015004	0.03	1.16	0.75	1.26	1.43
41 Common Costs 42	Juni 134.140		0.03	1.10	0.75	1.20	1.45
42 43 TELRIC + Common Costs	r31 + r41	. Pulligir a Ali	0.52	17.46	11.26	18.86	21.44
40 TELNIC + CUMMON COSIS	IVITATI CONTRA	NE N. DAY 1811	0.02	17,40	11,40		£1.77

	kota			S	UB-LOOP ELE	MENTS				Total Capital
<u>Acct</u>	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
BUILDIN	G CAE	BLE - PER PAIR								
			00.00	0.40	0.11	0.04	0.00	0.07	0.00	0.05
2426.1 2124	62C 2124	Intrabuilding Network Cable - Metallic General Purpose Computers	22.30 0.00	0.12 0.00	0.11 0.00	0.04 0.00	0.02 0.00	0.07 0.00	0.00 0.00	0.35 0.00
2124	2124	Total	22.30	0.12		0.04	0.02	0.07	0.00	0.35
DISTRIE	UTION	I - AVERAGE								
2411	1C	Poles	17.00	0.17	0.05	0.02	0.01 0.02	0.00	0.00	0.26
2421.11,.21		Aerial Cable - Metallic	29.23 3.78	0.26 0.09		0.05 0.01	0.02	0.27 0.01	0.00 0.00	0.73 0.14
2431	3C	Aerial Wire Underground Cable - Metallic	3.78	0.09		0.01	0.00	0.01	0.00	0.14
2422.11,.21		Buried Cable - Metallic	542.29	2.75		0.98	0.43	2.38	0.00	9.12
2423.11,.21 2426.1	62C	Intrabuilding Network Cable - Metallic	14.28	0.07		0.03	0.01	0.04	0.00	0.22
l	35C	Buried Cable - Drop	86.46	0.44		0.16	0.07	0.38	0.00	1.45
2423.11 2421.11	42C	Aerial Cable - Drop	13.69	0.12		0.02	0.01	0.13	0.00	0.34
2124	42C 2124	General Purpose Computers	0.00	0.00		0.00	0.00	0.00	0.00	0.00
2124	2124	Total	710.51	3.93		1.27	0.57	3.22	0.00	12.33
DISTRIE	SU HON	N - ZONE 1								
		<b>-</b> 1	0.47	0.00	0.00	0.01	0.01	0.00	0.00	0.13
2411	1C	Poles	8.47	0.09		0.01	0.01	0.00	0.00	0.13
2421.11,.21	52C	Aerial Cable - Metallic	16.21	0.14	0.07	0.03	0.01	0.15	0.00	0.41
2421.11,.21 2431	52C 3C	Aerial Cable - Metallic Aerial Wire	16.21 0.23	0.14 0.01	0.07 0.00	0.03 0.00	0.01 0.00	0.15 0.00	0.00 0.00	0.41 0.01
2421.11,.21 2431 2422.11,.21	52C 3C 5C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic	16.21 0.23 5.90	0.14 0.01 0.04	0.07 0.00 0.03	0.03 0.00 0.01	0.01 0.00 0.00	0.15 0.00 0.02	0.00 0.00 0.00	0.41 0.01 0.10
2421.11,.21 2431 2422.11,.21 2423.11,.21	52C 3C 5C 45C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic	16.21 0.23 5.90 344.09	0.14 0.01 0.04 1.75	0.07 0.00 0.03 1.64	0.03 0.00 0.01 0.62	0.01 0.00 0.00 0.27	0.15 0.00 0.02 1.51	0.00 0.00 0.00 0.00	0.41 0.01 0.10 5.78
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1	52C 3C 5C 45C 62C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic	16.21 0.23 5.90 344.09 22.61	0.14 0.01 0.04 1.75 0.12	0.07 0.00 0.03 1.64 0.11	0.03 0.00 0.01	0.01 0.00 0.00	0.15 0.00 0.02 1.51 0.07	0.00 0.00 0.00	0.13 0.41 0.01 0.10 5.78 0.35
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11	52C 3C 5C 45C 62C 35C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop	16.21 0.23 5.90 344.09 22.61 54.46	0.14 0.01 0.04 1.75 0.12 0.28	0.07 0.00 0.03 1.64 0.11 0.26	0.03 0.00 0.01 0.62 0.04 0.10	0.01 0.00 0.00 0.27 0.02	0.15 0.00 0.02 1.51	0.00 0.00 0.00 0.00 0.00	0.41 0.01 0.10 5.78 0.35 0.92
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11	52C 3C 5C 45C 62C 35C 42C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop	16.21 0.23 5.90 344.09 22.61	0.14 0.01 0.04 1.75 0.12	0.07 0.00 0.03 1.64 0.11 0.26 0.04	0.03 0.00 0.01 0.62 0.04	0.01 0.00 0.00 0.27 0.02 0.04	0.15 0.00 0.02 1.51 0.07 0.24	0.00 0.00 0.00 0.00 0.00 0.00	0.41 0.01 0.10 5.78 0.35
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11	52C 3C 5C 45C 62C 35C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop	16.21 0.23 5.90 344.09 22.61 54.46 9.81	0.14 0.01 0.04 1.75 0.12 0.28 0.09	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00	0.03 0.00 0.01 0.62 0.04 0.10 0.02	0.01 0.00 0.00 0.27 0.02 0.04 0.01	0.15 0.00 0.02 1.51 0.07 0.24 0.09	0.00 0.00 0.00 0.00 0.00 0.00	0.41 0.01 0.10 5.78 0.35 0.92 0.25
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124	52C 3C 5C 45C 62C 35C 42C 2124	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers Total	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00	0.14 0.01 0.04 1.75 0.12 0.28 0.09	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00	0.03 0.00 0.01 0.62 0.04 0.10 0.02	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.41 0.01 0.10 5.78 0.35 0.92 0.25
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE	52C 3C 5C 45C 62C 35C 42C 2124	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 <b>0.37</b>	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE	52C 3C 5C 45C 62C 35C 42C 2124	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 <b>0.82</b>	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE	52C 3C 5C 45C 62C 35C 42C 2124 BUTION	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 <b>2.51</b>	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 <b>7.95</b>
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE  2411 2421.11,.21 2431	52C 3C 5C 45C 62C 35C 42C 2124 BUTION 1C 52C 3C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic Aerial Wire	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 <b>2.51</b> 0.17 0.27 0.05	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82 0.02 0.05 0.01	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE 2411 2421.11,.21 2431 2422.11,.21	52C 3C 5C 45C 62C 35C 42C 2124 BUTION 1C 52C 3C 5C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51 0.17 0.27 0.05 0.02	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82 0.02 0.05 0.01 0.00	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.4† 0.0° 0.10 5.78 0.38 0.92 0.28 0.00 7.98
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE 2411 2421.11,.21 2431 2422.11,.21 2423.11,.21	52C 3C 5C 45C 62C 35C 42C 2124 BUTION 1C 52C 3C 5C 45C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Buried Cable - Metallic	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51 0.17 0.27 0.05 0.02 3.03	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18 0.05 0.14 0.02 0.01 2.84	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82 0.02 0.05 0.01 0.00 1.07	0.01 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE  2411 2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1	52C 3C 5C 45C 62C 35C 42C 2124 BUTIOI 1C 52C 3C 5C 45C 62C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78 17.03 30.75 2.32 2.78 597.79 10.12	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51 0.17 0.27 0.05 0.02 3.03 0.05	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18 0.05 0.14 0.02 0.01 2.84 0.05	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82	0.01 0.00 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07 0.00 0.28 0.00 0.01 2.62 0.03	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95 0.26 0.77 0.06 0.05 10.05 0.16
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11 2421.11 2124 DISTRIE 2411 2421.11,.21 2431 2422.11,.21 2423.11,.21	52C 3C 5C 45C 62C 35C 42C 2124 BUTION 1C 52C 3C 5C 45C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop Aerial Cable - Drop General Purpose Computers  Total  N - ZONE 2  Poles Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Buried Cable - Metallic	16.21 0.23 5.90 344.09 22.61 54.46 9.81 0.00 461.78	0.14 0.01 0.04 1.75 0.12 0.28 0.09 0.00 2.51 0.17 0.27 0.05 0.02 3.03	0.07 0.00 0.03 1.64 0.11 0.26 0.04 0.00 2.18	0.03 0.00 0.01 0.62 0.04 0.10 0.02 0.00 0.82 0.02 0.05 0.01 0.00 1.07	0.01 0.00 0.27 0.02 0.04 0.01 0.00 0.37	0.15 0.00 0.02 1.51 0.07 0.24 0.09 0.00 2.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.41 0.01 0.10 5.78 0.35 0.92 0.25 0.00 7.95

Sldsd#

5/20/02 South Dak	cota			S	UB-LOOP ELE	MENTS				
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
		Total	769.25	4.21	3.63	1.37	0.61	3.50	0.00	13.32
i										
0444	10	Dolon	22.26	V 34	0.07	0.03	0.00	0.01	0.00	0.36
2411 2421.11,.21	1C 52C	Poles Aerial Cable - Metallic	23.26 38.17	0.24 0.33	0.07 0.17	0.03 0.07	0.02 0.03	0.01 0.35	0.00	0.36 0.96
2421.11,.21 2431	52C 3C	Aerial Cable - Metallic Aerial Wire								
2421.11,.21 2431 2422.11,.21	52C	Aerial Cable - Metallic	38.17 7.00	0.33 0.16	0.17 0.05	0.07 0.02	0.03 0.01	0.35 0.01	0.00 0.00	0.96 0.25
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1	52C 3C 5C 45C 62C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic	38.17 7.00 2.65 664.89 9.88	0.33 0.16 0.02 3.37 0.05	0.17 0.05 0.01 3.16 0.05	0.07 0.02 0.00 1.20 0.02	0.03 0.01 0.00 0.53 0.01	0.35 0.01 0.01 2.92 0.03	0.00 0.00 0.00 0.00 0.00	0.96 0.25 0.05 11.18 0.15
2421.11,.21 2431 2422.11,.21 2423.11,.21 2426.1 2423.11	52C 3C 5C 45C 62C 35C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic Buried Cable - Drop	38.17 7.00 2.65 664.89 9.88 107.09	0.33 0.16 0.02 3.37 0.05 0.54	0.17 0.05 0.01 3.16 0.05 0.51	0.07 0.02 0.00 1.20 0.02 0.19	0.03 0.01 0.00 0.53 0.01 0.09	0.35 0.01 0.01 2.92 0.03 0.47	0.00 0.00 0.00 0.00 0.00 0.00	0.96 0.25 0.05 11.18 0.15 1.80
	52C 3C 5C 45C 62C	Aerial Cable - Metallic Aerial Wire Underground Cable - Metallic Buried Cable - Metallic Intrabuilding Network Cable - Metallic	38.17 7.00 2.65 664.89 9.88	0.33 0.16 0.02 3.37 0.05	0.17 0.05 0.01 3.16 0.05	0.07 0.02 0.00 1.20 0.02	0.03 0.01 0.00 0.53 0.01	0.35 0.01 0.01 2.92 0.03	0.00 0.00 0.00 0.00 0.00	0.96 0.25 0.05 11.18 0.15

	Α	В	С	D	Е	F	G	Н
1	Investment							
2	STUDY	SUB-LOOF	PELEMENTS					
3	DATE	5/1/02						
4	GROUP	BUILDING	CABLE - PER PAI	R				1
5	LOADED	SD	22.3008843817	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
6	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
7	COMMON	SD	0.016467	0.	0.		Billing and Collection	Billing & Collection Tab
8	GROUP	DISTRIBU <sup>*</sup>	TION - AVERAGE	!			:	
9	LOADED	SD	16.9976286087	0.	0.	1C	POLES	Unbundled-Subloop Tab
10	LOADED	SD	29.2312177337	0.	0.	52C	AR CABLE	Unbundled-Subloop Tab
11	LOADED	SD	3.7768492549	0.	0.	3C	C WIRE	Unbundled-Subloop Tab
12	LOADED	SD	3.782732148	0.	0.	5C	UG CABLE	Unbundled-Subloop Tab
13	LOADED	SD	542.293284676	0.	0.	45C	BUR CABLE	Unbundled-Subloop Tab
14		SD	14.2750985822	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
15	LOADED	SD	86.4612999212	0.	0.	35C	BUR DROP	Unbundled-Subloop Tab
	LOADED	SD	13.6904343695	0.	0.		AR DROP	Unbundled-Subloop Tab
17	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
18	COMMON	SD	0.016467	0.	0.		Billing and Collection	Billing & Collection Tab
19	GROUP		TION - ZONE 1	<u> </u>				
20	LOADED	SD	8.4670411461	0.	0.	1C	POLES	Unbundled-Subloop Tab
21	LOADED	SD	16.2133848814	0.	0.	52C	AR CABLE	Unbundled-Subloop Tab
22	LOADED	SD	0.2289476216	0.	0.	3C	C WIRE	Unbundled-Subloop Tab
23		SD	5.8993468314	0.	0.	5C	UG CABLE	Unbundled-Subloop Tab
24	LOADED	SD	344.0919121273	0.	0.	45C	BUR CABLE	Unbundled-Subloop Tab
25	LOADED	SD	22.6096739252	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
26	LOADED	SD	54.4616809577	0.	0.	35C	BUR DROP	Unbundled-Subloop Tab
27	LOADED	SD	9.8116360296	0.	j	42C	AR DROP	Unbundled-Subloop Tab
	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
29	COMMON	SD	0.016467	0.	0.	ļ	Billing and Collection	Billing & Collection Tab
30	GROUP		TION - ZONE 2		l			* * * ***** IN 10.11 MILE IN 10.11
31	LOADED	SD	17.0298997159	0.	4	1C	POLES	Unbundled-Subloop Tab
32	LOADED	SD	30.7478399608	0.		52C	AR CABLE	Unbundled-Subloop Tab
33	LOADED	SD	2.3228949971	0.	0.	3C	C WIRE	Unbundled-Subloop Tab
34	LOADED	SD	2.7790808689	0.	0.	5C	UG CABLE	Unbundled-Subloop Tab

	Α	В	С	D	Ш	F	G	Н
35	LOADED	SD	597.7901160363	0.	0.	45C	BUR CABLE	Unbundled-Subloop Tab
36	LOADED	SD	10.1206035201	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
37	LOADED	SD	93.4242954344	0.	0.	35C	BUR DROP	Unbundled-Subloop Tab
38	LOADED	SD	15.0396345767	0.	0.	42C	AR DROP	Unbundled-Subloop Tab
39	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
40	COMMON	SD	0.016467	0.	0.		Billing and Collection	Billing & Collection Tab
41	GROUP	<b>DISTRIBU</b>	TION - ZONE 3					
42	LOADED	SD	23.2601591768	0.	0.	1C	POLES	Unbundled-Subloop Tab
43	LOADED	SD	38.1738910895	0.	0.	52C	AR CABLE	Unbundled-Subloop Tab
44	LOADED	SD	6.9955210649	0.	0.	зС	C WIRE	Unbundled-Subloop Tab
45	LOADED	SD	2.6455233488	0.	0.	5C	UG CABLE	Unbundled-Subloop Tab
46	LOADED	SD	664.8877934005	0.	0.	45C	BUR CABLE	Unbundled-Subloop Tab
47	LOADED	SD	9.8818319918	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
48	LOADED	SD	107.0898739433	0.	0.	35C	BUR DROP	Unbundled-Subloop Tab
49	LOADED	SD	15.9794943581	0.	0.	42C	AR DROP	Unbundled-Subloop Tab
50	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
51	COMMON	SD	0.016467	0.	0.	İ	Billing and Collection	Billing & Collection Tab

	Α	В
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	_
8		
9	11	
10	6427	

	Α	В	С	D	Е	F	G	H	I	J	K	L	М
1	ACFIN												
2	02SD01E								į			i	
3	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
4	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
5	1C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
6	52C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
7	42C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
8	5C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
9	35C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
10	62C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
11	45C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	<b>ADVAL</b>	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
12	зС	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
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5	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
6	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
7	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	<b>INFOR</b>	LEGAL	PROCR	RDEXP
8	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
9	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
10	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP
11	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
12	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
13	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	<b>INFOR</b>	LEGAL	PROCR	RDEXP

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41	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	1C	0.122572	0.036893	0.013952	0.002946	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	52C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45	42C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
46	5C	0.090987	0.056203	0.021254	0.030615	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
47	35C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
48	62C	0.062692	0.058372	0.022074	0.035119	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
49	45C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
50	3C	0.274000	0.091689	0.034674	0.024483	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
51	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742

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42	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
43	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
44	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
45	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
46	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
47	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
48	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
49	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
50	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
51	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304

State: South Dakota
Output: All Wire Centers

Feeder Model - 12 Kilofoot crossover Process Group - Wire Center Detail Pairs Per Site - Engineering Standard Page 1 4/17/02 11:46:20 V 2.1

2002 Average Investments

			Statewide			
			Average	Zone 1	Zone 2	Zone 3
		Building	Sub-loop	Sub-loop	Sub-loop	Sub-loop
Account	<u>Description</u>	Cable & Wire	<b>Distribution</b>	Distribution	Distribution	<b>Distribution</b>
1C	Poles	\$0.00	\$17.00	\$8.47	\$17.03	\$23.26
52C	Aerial Cable	0.00	29.23	16.21	30.75	38.17
3C	C Wire	0.00	3.78	0.23	2.32	7.00
4C	Conduit	0.00	0.00	0.00	0.00	0.00
5C	Underground Cable	0.00	3.78	5.90	2.78	2.65
45C	Buried Cable	0.00	542.29	344.09	597.79	664.89
62C	Building Cable	22.30	14.28	22.61	10.12	9.88
85C	Underground Fiber	0.00	0.00	0.00	0.00	0.00
257C	Pair Gain	0.00	0.00	0.00	0.00	0.00
845C	Buried Fiber	0.00	0.00	0.00	0.00	0.00
852C	Aerial Fiber	0.00	0.00	0.00	0.00	0.00
862C	Building Fiber	0.00	0.00	0.00	0.00	0.00
C	Buried Drop	0.00	86.46	54.46	93.42	107.09
42C	Aerial Drop	<u>0.00</u>	<u>13.69</u>	<u>9.81</u>	<u>15.04</u>	<u>15.98</u>
	Total	\$22.30	\$710.51	\$461.78	\$769.25	\$868.91

SW	Lines		
DG1		20,216	7%
DG2		65,655	24%
DG3		115,481	42%
DG4		59,706	21%
DG5		16,816	6%
Total		277,874	

Loop Mod 2.1 Model Distribution Subloop Tab

Refer to LoopMod 2.1-ReadMe>txt file for instructions.

#### **Output of the Billing & Collection Model**

BILLING AND COLLECTION: QWEST COST RESULTS FOR MODEL INPUT

**FACTORS INCLUDED: NONE** 

STUDY YEAR: 2000 - USW WHOLESALE ACCOUNT - CRIS (LIS - LINK AND SPNP)

Unit: Per Electronically Billed Line

**ACCOUNT** 

TOTAL

INVESTMENT

\$0.000112

**EXPENSE** 

\$0.016467

BILLING AND COLLECTION: U S WEST COST RESULTS FOR MODEL INPUT

FACTORS INCLUDED: NONE STUDY YEAR: 2000 - USW

FACTOR DEVELOPMENT - IABS (LIS DEDICATED, COLOCATION, EICT)

Unit: Factor

0.004304

Sheet Updated on 6/14/2000

To create Subloop investments in LoopMod2.1SD.xls:

#### Building Cable and Wire:

- 1. Open the spreadsheet LoopMod2.1SD.xls
- 2. From the "Process Group" pull-down box, select the desired "All Wire Centers"
- 3. Click on the "GO" button.
- 4. When the program has finished processing the zone, you will be taken to a summary sheet. Click on the "View Distribution SubLoop Summary Sheet" button.
- 5. Print or extract the results, then return to the "Previous Sheet" and then "Return to Start" to process another Element.

#### Distibution SubLoop

- 1. Open the spreadsheet LoopMod2.1SD.xls
- 2. From the "Process Group" pull-down box, select the desired "All Wire Centers"
- 3. Click on the "GO" button.
- 4. When the program has finished processing the zone, you will be taken to a summary sheet. Click on the "View Distribution SubLoop Summary Sheet" button.
- 5. Print or extract the results, then return to the "Previous Sheet" and then "Return to Start" to process another zone.

# **Executive Summary**

# SOUTH DAKOTA DS0 LOW SIDE CHANNELIZATION CHANNEL PERFORMANCE

**STUDY ID 6429** 

PRESCRIBED LIVES 10.14% COM

**2001 RECURRING COST STUDY** 

**MAY 2002** 

## DS0 LOW SIDE CHANNELIZATION

### SOUTH DAKOTA 2002

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#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate Qwest's 2002 long-run incremental costs for DS0 Low Side Channelization within the state of South Dakota of Local Interconnection Service.

This study develops statewide average Total Element Long Run Incremental Costs (TELRIC). Costs are specific to the state of South Dakota and are stated on a per channel basis, unless specified otherwise. Cost results are based on Commission Prescribed Lives and 10.14 % Cost Of Money (COM).

#### **B. DESCRIPTION OF SERVICE**

DS0 Low Side Channelization provides the transmission facilities between the customer designated premises, to the serving wire center or to the wire center where the CLEC is collocated, or to multiplexing. Voice Grade/DSO facilities are available for Channel Performance.

This cost study includes the costs for the following components:

The Channel Performance rate category provides the electronic equipment, which is added to the Link to provide the desired level of transmission performance. It modifies the circuit with the basic performance necessary for the circuit function. This channel supports 300 to 3000 Hz. Four signaling options are available. They include Loop Start, Ground Start, Reverse Battery, and No Signaling.

The following are definitions of the Channel Performance services provided by Qwest Communications. The technical parameters of these are the same as those of the identified Voice Grade services (i.e., VG2, VG3 or VG7).

#### 1. Voice Grade Service Channel Performance

- The Loop Start Signaling is based on Voice Grade 2 (VG2). This is suitable for the access segment of voice line-type switched special service circuits such as Foreign Exchange (FX) circuits. The service is suitable for the station or closed-end at the End-User only.
- The Ground Start Signaling is based on Voice Grade 3 (VG3). This is suitable
  for the access segment of voice trunk-type circuits. The service is suitable for
  the closed-end at the End-User only.
- The Reverse Battery Signaling is based on Voice Grade 3. This is suitable for the access segment of voice trunk-type circuits.
- The No Signaling is based on Voice Grade 7. This is suitable for the access segment of "permissive data" type of private line services.

#### C. STUDY METHODOLOGY

**Channel Performance -** Channel Performance investments are calculated using a Microsoft Excel® spreadsheet. The Channel Performance spreadsheet estimates the forward looking installed investment associated with DS0 circuits between a Serving Wire Center and the wire center where the CLEC is collocated.

The TELRIC Windows Personal Computer Cost Calculator (Wholesale Cost Program) was used to convert installed investments to monthly costs by applying appropriate investment and expense factors to the installed investment.

#### D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are not embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- 1) Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by Qwest today.
- 2) All network investments are forward-looking:
- 3) All costs displayed are a 2002 level.
- 4) Cost results are based on Commission Prescribed Lives and 10.14 % COM.

Major Cost Drivers		-
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	Common	04/02
	Other Direct Expenses	04/02
,	Billing & Collection (PL)	01/01
7	Marketing Factors	02/02
	COE Land & Bldg	02/02
	Ad Valorem	02/02
	Capital Recovery Maintenance	04/02 02/02
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	Wholesale Cost Program Cost Factor Databases	2.08 02SD01E
Models Used	Model Wholesale Cost Program	Version
Models Used	Model	
	Þ	May 20, 2002
Study Review	Reviewer	Date
Cost Analyst	David Workman	
Completion Date	May 20, 2002	
Study Applications		
Study Applications		
Cost Factor Group	Interconnection	
Study ID	6429	
Type of Study Study ID	TELRIC	
Study Requester	Robyn Libadia	
Study Name	CHANNEL PERFORMANCE	

Parameter File: H:\Gollehon\_Team\Recurring\Workman\LowSideChannel\SD\LSCSD#6429.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 2 Costs Format: Monthly Group Totals: Yes

ACF Input: H:\Gollehon\_Team\Recurring\Workman\LowSideChannel\SD\LSCmay02\LSCSD#6429.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: H:\Gollehon\_Team\Recurring\Workman\LowSideChannel\SD\LSCmay02\LSCSD#6429.xls, Sheet "WINPC3 ACF Outputs"

Investment: H:\Gollehon\_Team\Recurring\Workman\LowSideChannel\SD\LSCmay02\LSCSD#6429.xls, Sheet "WINPC3 Investments"

Output: H:\Gollehon\_Team\Recurring\Workman\LowSideChannel\SD\LSCmay02\LSCSD#6429.xls, Sheet "WINPC3 Output"

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State: South Dakota

Otate: Coutii Dakota								
	Loaded	Direct	Invst. Based &	Network	Other Direct			TELRIC +
Description	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
LOW SIDE CHANNEL PERFORMANCE	\$632.99	\$0.00	\$10.84	\$0.54	\$2.95	\$13.78	\$0.98	\$14.76
Low Side Channel Performance with MULTIPLEXING	\$361.10	\$0.00	\$6.18	\$0.31	\$1.68	\$7.86	\$0.56	\$8.42

łow	South Dakota	Source or Calculation	Factor Value	LOW SIDE CHANNEL PERFORMANCE	Low Side Channel Performance with MULTIPLEXING
			Α	В	C
1	Investment	sI r"Total" cD		632.99	361.10
2					
3	Investment Based Costs	si r"Total" cK		10.44	5.96
4					
5	Direct Expenses			0.00	0.00
6	Miscellaneous Expenses			0.00	0.00
	Billing & Collection - PL	cA*(r8-r6)	0.004304	0.04	0.03
8	Total Investment Based + Billing & Collection			10.49	5.98
9					
10	Marketing & Business Fees				
11	Product Management Expense	cA*(r8-r6)	0.019957	0.21	0.12
12	Sales Expense	cA*(r8-r6)	0.011877	0.12	0.07
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.02	0.01
15	Marketing & Business Fees Total	Sum r11:r14		0.35	0.20
16					
	Sub-Total Invst., B & C, Mktg	r8 + r15		10.84	6.18
18					
	Other Direct Expenses				
	Network Operations	cA*(r17-r6)	0.034832	0.38	0.22
	Network Support Assets	cA*(r17-r6)	0.014703	0.16	0.09
	General Support Assets	cA*(r17-r6)	0.088742	0.96	0.55
	General Purpose Computers	cA*(r17-r6)	0.043342	0.47	0.27
	Uncollectible	cA*(r17-r6)	0.003786	0.04	0.02
	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.08	0.05
	Human Resources Expense	cA*(r17-r6)	0.008294	0.09	0.05
	Information Management Expense	cA*(r17-r6)	0.070887	0.77	0.44
	Intangibles	cA*(r17-r6)	0.000000	0.00	0.00
	Total Other Direct Expenses	Sum r20:r28		2.95	1.68
30		-47		13.78	7.86
	TELRIC	r17 + r29		13.78	7.00
32					
	Common	cA*(r31-r6)	0.011267	0.16	0.09
	Executive Expense	cA*(r31-r6)	0.000525		0.00
	Planning Expense	cA*(r31-r6)	0.000323		0.30
	External Relations Expense	cA*(r31-r6)	0.037646		
	Legal Expense	cA*(r31-r6)	0.004717		0.0
	Other Procurement Expense	cA*(r31-r6)	0.000006		
	Research & Development Expense	cA*(r31-r6)	0.000008		0.1
	Other General and Admin Expense  Common Costs	Sum r34:r40	0.010004	0.98	
	LODBOO LOSIS	Juin 134.140		0.90	0,50

5/20/02 South D				CH	ANNEL PERFO	RMANCE				
<u>Acct</u>	FRC	Account Name	Investment	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
LOW S	IDE CH	ANNEL PERFORMANCE								
2232.3	357C	Circuit Equipment - Other Digital Equipment	525.93	4.81	1.99	0.75	0.42	1.12	0.00	9.09
2111	20C	Land	1.96	0.00	0.02	0.01	0.00	0.00		0.03
2121	110C	Building	105.10	0.23	0.66	0.25	0.08	0.11		1.33
		Total	632.99	5.03	2.66	1.01	0.50	1.23	0.00	10.44
Low Sid	de Chan	nel Performance with MULTIPLEXIN	NG							
2232.3	357C	Circuit Equipment - Other Digital Equipment	300.03	2.74	1.14	0.43	0.24	0.64	0.00	5.19
2111	20C	Land	1.12	0.00	0.01	0.00	0.00	0.00		0.01
2121	110C	Building	59.95	0.13	0.37	0.14	0.05	0.06		0.7€
ĺ		Total	361.10	2.87	1.52	0.57	0.29	0.70	0.00	5.96

	Α	В	С	D	E	F	G	Н
1	Investment							
2	STUDY	CHANNEL	PERFORMANCE					
3	DATE	5/20/02						: :
4	GROUP	LOW SIDE	CHANNEL PERFO	ORM	ΑN	CE		
5	EF&I	SD	525.930449216	0.	0.	357C	Analog Circuit Equipment	Channel Plug Investments
6	GROUP	Low Side C	Channel Performan	ce w	ith I	MULTII	PLEXING	
7	EF&I	SD	300.0258818807	0.	0.	357C	Analog Circuit Equipment	Channel Plug Investments

	Α	В
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6429	

	Α	В	С	D	E	F	G	H	I	J	K	L	М
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2	02SD01E												
3	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
4	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
5	57C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
6	257C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
7	357C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
8	858C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
9	1C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
10	52C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
11	42C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
12	5C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
13	35C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
14	62C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
15	45C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
16	4C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
17	3C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP

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2														
3	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
4	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
5	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
6	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
7	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
8	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP
9	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
10	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP
11	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
12	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP
13	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
14	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
15	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
16	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
17	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP

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2		
3	GENL	BC
4	GENL	BC
5	GENL	BC
6	GENL	BC
7	GENL	BC
8	GENL	BC
9	GENL	BC
10	GENL	BC
11	GENL	BC
12	GENL	BC
13	GENL	BC
14	GENL	BC
15	GENL	BC
16	GENL	BC
17	GENL	BC

	Α	В	С	D	E	F	G	Н	I	J	K	L	М
1	ACFOUT	Factors Fo	r: Interconr	nection				1			:		
2	-Run Do	ne With Datab	ase Vintage: (	02SD01E, Da	ted: 04/08/02	)	(					1	
3	-Wholes	ale Cost Progi	ram (TELRIC)	Data Base re	eleased 04/02	(02SD01E).	1		1			· •	
4		loaded from I											
5	-CAPITA	L RECOVERY	factors releas	sed 04/02 an	d based on 1	0.14% Cost							1
6	Of Mone	ey. No 1-10 ye	ear factors de	veloped.			i						
7	-MAINTE	NANCE facto	rs released 02	2/02.									
8	-RTU fac	tors released	02/01.				i			!			
9	-AD VAL	OREM Tax rei	leased 02/02.									1	,
10	-DIRECT	LY ASSIGNED	D expense fac	tors released	1 04/02.				İ				
11	-BUSINE	SS FEES rele	ased 04/02.						: :	:			
12	-COMMO	ON Expense re	eleased 04/02.					<u> </u>			į		<u> </u>
13	-TOTAL	INSTALLED F	ACTORS (TIF	) released 01	/01.		İ	<u> </u>			:	! !	
14	-POWEF	R investment f	actors release	ed 01/01.			i 	1				 	
15	-SALES	TAX released	01/01.					1					
16	-TELCO	Engineering f	actors release	ed 01/01.		<u> </u>	l	İ		! !		İ	
17	-INTERE	ST DURING C	CONSTRUCTIO	ON released (	01/01.								
18	-LAND A	ND BUILDING	G factors relea	sed 02/02.					1		į 	i i	
19	-DIRECT	TLY ATTRIBUT	TABLE expens	se factors rel	eased 04/02.					İ			
20	-SALES	EXPENSE fac	tor released 0	4/02.	İ								
21	-PRODU	ICT MANAGE	MENT factor re	eleased 04/02	2.						1		
22	-BILLIN	G & COLLECT	ION factor rela	eased 01/01.						1.	1	ļ	.i
23	-PROVIS	SIONING facto	rs released 01	1/01.				1	.,	ļ			
24		HONE PLANT		and the second second					İ			L	
25	-STRUC	TURE RATIO	released 01/01	1				ļ	İ	İ			
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38	State:	South Dake	ota		ļ	1		Ì		1 .		1			į.
39															
40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST
41	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	57C	0.160932	0.045151	0.017075	0.014015	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	257C	0.109717	0.045455	0.017189	0.010529	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45	357C	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
46	858C	0.131250	0.052536	0.019867	0.018844	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
47	1C	0.122572	0.036893	0.013952	0.002946	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
48	52C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
49	42C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
	5C	0.090987	0.056203	0.021254	0.030615	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
51	35C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
52	62C	0.062692	0.058372	0.022074	0.035119	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
53	45C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
54	4C	0.021443	0.064600	0.024429	0.007242	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
55	зс	0.274000	0.091689	0.034674	0.024483	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742

	Р	Q	R	S	Т	U	V	W	Х	Υ	Z	AA	AB	AC
34										.,			l 	
35			make make an appeal of the party from the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common and the common an						,,			· :		
36														
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40	COMPTR	UNCOLL									PROCR	RDEXP	GENL	BC
41	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
42	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
43	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
44	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
45	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
46	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
47	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
48	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
49	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
50	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
51	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
52	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
53	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
54	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
55	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304

Channel Plug Investments from the Investment CALC for Low Side Channel Performance Tab.

					TIF & SPARE	TOTAL	
Channel Performance	INVESTMENT	Weighting			& FILL	INVESTMENT	
NC Code							
LOOP START - LO/LS	\$334.28	60.74%		\$203.04			
GROUND START	\$334.28	3.54%		\$11.84			
NO SIGNALLING	\$373.24	35.72%		\$133.31			j , , , , , , , , , , , , , , , , , , ,
	DS0 Low Side C	hannelizatio	n	\$348.20	1.5104	\$525.93	257C

Channel Plug Investments from the Investment CALC for Low Side ChannelPerformance, MUX Tab.

			,		-p		
	1	,	, ,	(	TIF & SPARE	TOTAL	
	INVESTMENT	Weighting	·	<u>'</u>	FACTOR	INVESTMENT	1
Channel Performance							
With Multiplexing		, ,	, '	1	1		
NC Code		, ,	,	<u> </u>			
LOOP START - LO/LS	\$166.14	60.65%	,	\$100.77		'	1
ROUND START	\$166.14	3.54%	·	\$5.88			1
REVERSE BATTERY & PBX	\$177.14	0.14%	,	\$0.25		1	1
NO SIGNALLING	\$257.21	35.67%	<u></u> '	\$91.74		1	1
DS1/DS0 MUX, Low	Side Channeliz	zation		\$198.63	1.5104	\$300.03	257C

		NCI CODE											
DESCRIPTION	NC	End-User NI		DESCRIPTION					Average	% Metallic		Weighted	
	CODE	& CLEC NI	Location	OF PLUG	PRICE	QTY	Invest		Invest	& Pair Gain		Invest	Acc
LOOP START -	LO/LS	3											
Metallic													
DSO/VOICE	LC	02LS2	СО	2W FXS/DPO	\$82.00	1							
		04LO2	CO	4W FXO	\$123.50	1	\$205.50	\$102.75					257C
DSO/VOICE	LC	02LS2	CO	2W FXS/DPO	\$82.00	1							
ng on spromen open her en her her o		02LO2	СО	2W FXO	\$84.81	1	\$166.81	\$83.41	\$186.16	60.02%	\$111.73		257C
LOOP GEARS	T O /T :												
LOOP START -	TO\T	o ·		DLC	39.98%								257C
חוור			CO	DCS	\$120.62		\$241.24	\$241.24	\$241.24				2370
DSO/VOICE	LC	02LS2	Rem Term	SLCUECNC	\$157.90	1							
·				Basic Plug Credit	(\$63.00)								
		04LO2	CO	SLCULFE2	\$325.50	1	\$420.40	\$210.20					257C
DSO/VOICE	LC	02LS2	Rem Term	SLCUECNC	\$157.90	1							
				Basic Plug Credit	(\$63.00)								
		02LO2	CO	SLCUDCU2	\$115.55	1	\$210.45	\$105.23	\$315.43	<u>.</u>			
									\$556.67	39.98%	\$222.55		_ 257C
												\$334.28	2570

GROUND START	7												
DSO/VOICE	LD	02GS2	CO	2W FXS/DPO	\$82.00	1							
		04GO2	CO	4W FXO	\$123.50	1	\$205.50	\$102.75				2	57C
DSO/VOICE	LD	02GS2	CO	2W FXS/DPO	\$82.00	1							
		02GO2	CO	2W FXO	\$84.81	1	\$166.81	\$83.41	\$186.16	60.02%	\$111.73	2	57C
GROUND STAR	r												
DLC				DLC	39.98%							2	57C
			CO	DCS	\$120.62	2	\$241.24	\$241.24	\$241.24				
DSO/VOICE	LD	02GS2	Rem Term	SLCUECNC	\$157.90	1							
				Basic Plug Credit	(\$63.00)								
		04GO2	CO	SLCULFE2	\$325.50	1	\$420.40	\$210.20				2	57C
DSO/VOICE	LD	02GS2	Rem Term	SLCUECNC	\$157.90	1							
<u>.</u>				Basic Plug Credit	(\$63.00)								
		02GO2	CO	SLCUDCU2	\$115.55	1	\$210.45	\$105.23	\$315.43				
								•	\$556.67	39.98%	\$222.55	. 2	57C
												\$334.28 2	57C

NO SIGNALLIN	IG												
DSO/VOICE	LH	02NO2	CO	2W TO	\$112.86	1							
		04NO2	CO	4W TO	\$82.34	1	\$195.20	\$64.42					257C
DSO/VOICE	LH	02NO2	CO	2W TO	\$112.86	1							
·		02NO2	CO	2W TO	\$112.86	1	\$225.72	\$74.49					257C
DSO/VOICE	LH	04NO2	CO	4W TO	\$82.34	1							
DDO, VOICE	1111	04NO2	CO	4W TO	\$82.34	1	\$164.68	\$54.34	\$193.25	60.02%	\$115.99		257C
											Q113.95		2370
NO SIGNALLIN	<b>I</b> G			DLC	39.98%				THE AMERICAN STREET			N-SERIAGERELARISE	en bevolger
DLC			CO	DCS	\$120.62	2	\$241.24	\$241.24	\$241.24				257C
DSO/VOICE	LH	02NO2	Rem Tern	SLCUECNC	\$157.90	1							
				Basic Plug Credit	(\$63.00)								
		04NO2	CO	SLCULFE2	\$325.50	1	\$420.40	\$138.73					
DSO/VOICE	LH	02NO2	Rem Tern	SLCUECNC	\$157.90	1							
				Basic Plug Credit	(\$63.00)	_							
		02NO2	CO	SLCUDCU2	\$115.55	1	\$210.45	\$69.45					257C
DSO/VOICE	LH	04NO2	Dem Marm	n SLCULFE2	\$325.50	1							
D2O\ AOTCE	ьп	04NO2	Rem Term	Basic Plug Credit	(\$63.00)	1							
		04NO2	СО	SLCULFE2	\$325.50	1	\$588.00	6101 01	\$402.22				
		0.41002	CO	PHOOTERS	ÇJZJ.JU	1	9500.00	άπλ <b>α.</b> Ωα	\$643.46	20 00%	4057 05	6272 24	1 2570
									ბი <del>მ</del> ე•40	১৮.৮৫৫	\$257.25	\$373.24	257C

				TIF &		
				SPARE	TOTAL	
Channel Performance	INVESTMENT	Weighting		& FILL	INVESTMENT	
NC Code						
LOOP START - LO/LS	\$334.28	60.74%	\$203.04			
GROUND START	\$334.28	3.54%	\$11.84			
NO SIGNALLING	\$373.24	35.72%	\$133.31			
	DS0 Low Side Chann	\$348.20	1.5104	\$525.93	257C	

The plugs and prices of the plugs are from engineering, Robert Argetsinger, May of 2000 and are at a 2000 level.

The quantities by USOC are from the CDW by CLS and USOC for CRIS billed circuits.

The quantities for CRIS billed circuits are from the April 2000 actuals out the Billed revenue file.

Low Side Channel Performance									
NC Code	USOC	QTY							
LO	PJWCX	6771	10.14%						
LO LS GS	PJWHX	33790	50.60%						
GS	PCWJX	2366	3.54%						
NO SIGNAL	PCWEX	23852	35.72%						
		66779	100.00%						

South Dakota

257C		Maintenance	TIF & SPA	RE	
Plug-Ins	TIF	Spare	FACTOR		
Without Warehous	1.3594	0.90	1.5104		

TIF from the Electronic Data Base, Vintage 00V2, 6/01.

CLS = Class Of Service

CLEI = Common Language Equipment Identifier

CRIS = Customer Record Information System

REM TERM = Remote Terminal

CO = Central Office

TIF = Total Investment Factor

NI = Network Interface

NCI Code = Network Channel Interface Code

NC Code = Network Channel Code

USOC = Universal Service Order Code

DLC = Digital Loop Carrier (Pair Gain)

CDW = Corporate Data Warehouse

#### Investment CALC for CH PE, MUX

Lscsd#~1.xls

		NCI CODE										
DESCRIPTION	NC	End-User NI		DESCRIPTION					% Metallio	2	Weighted	
	CODE	& CLEC NI	Location	OF PLUG	PRICE	QTY	Invest		& Pair Gai	n	Invest	Acc
LOOP START	- LO/	LS										
Metallic wit	th Mu	ltiplexing										
DSO/VOICE	LC	02LS2	CO	2W FXS/DPO	\$82.00	1	\$82.00		60.02%	\$49.22		257C
		2000 000 000 000 000 000 000 000 000 00				naka kanasa Marin				n and state Allesters Allester Made	eg maj ega nagar se egan egan a	e gregorianing ig
LOOP START												
DLC with mu	ltipl	exing		DLC	39.98%							
			CO/MUX	2W FXS/DPO	\$82.00	1	\$82.00					257C
						_						
DSO/VOICE	LC	02LS2	Rem Term	SLCUECNC	\$157.90	1						
				Basic Plug Credit		1	4010 45					
			CO	SLCUDCU2	\$115.55	1	\$210.45	•	30 009	\$116.92		257C
							2232.43		39.96%	\$TT0.37	\$166.14	257C
											\$700.TA	2370
GROUND STAR	m											
Metallic wi		ltiplexing										
Metailic Wi	CII MU	TCIPIEXIII										
DSO/VOICE	LD	02GS2	со	2W FXS/DPO	\$82.00	1	\$82.00		60.02%	\$49.22		257C
550, 10101		3232		•	·							
GROUND STAR	T			A Secretarian and a second second second second second second second second second second second second second								
DLC with mu	ltipl	.exing		DLC	39.98%							
			CO/MUX	2W FXS/DPO	\$82.00	1	\$82.00					257C
DSO/VOICE	LD	02GS2	Rem Term	SLCUECNC	\$157.90	1						
				Basic Plug Credit	(\$63.00)							
			CO	SLCUDCU2	\$115.55	1	\$210.45	_				
							\$292.45	5	39.98%	\$116.92		257C
											\$166.14	257C

\$257.21 257C

REVERSE BATT													
DSO/VOICE	LD	02RV2.T	СО	2W FXO/DPT GNTR	\$93.00	1	\$93.00			60.02%	\$55.82		257C
												283516	
REVERSE BATT	TERY	& PBX		DLC	39.98%								
DLC with mul	ltipl	exing	CO/MUX	2W FXO/DPT GNTR	\$93.00	1	\$93.00						257C
DSO/VOICE	LD	02RV2.T	Rem Term	SLCUECNC	\$157.90	1							
				Basic Plug Credit	(\$63.00)								
			CO	SLCUDCU2	\$115.55	1	\$210.45	_					
							\$303.45			39.98%	\$121.32		_
						1/0/7000() (9.10/0)		×1000				\$177.14	
NO SIGNALLI	NG												
Metallic wi	th Mu	ıltiplexing											
DSO/VOICE	LH	02NO2	CO	2W TO	\$112.86	1	\$112.86	\$56.43					257C
						_							0555
DSO/VOICE	LH	04NO2	CO	4w TO	\$82.34	1	\$82.34	\$41.17	\$97.60	60.02%	\$58.58	GGSSEGNSEL.	257C
NO SIGNALLI					20 000								2570
DLC with mu	ltip	lexing		DLC	39.98%	4	+110 00	<b>#</b> 56 43					257C
			CO/MUX	2W TO	\$112.86	1	\$112.86	\$56.43	÷05 C0				
				4W TO	\$82.34	1	\$82.34	\$41.17	\$97.60				
				GT GTT GTG	4157.00	1							
DSO/VOICE	LH	02NO2	Rem Term	SLCUECNC	\$157.90	.1							
				Basic Plug Credit	(\$63.00)		+010 45	*40" 02					
		02NO2	CO	SLCUDCU2	\$115.55	1	\$210.45	\$105.23					
DG0 /HOTCE	T 77	0.42500	Dem Me	SLCULFE2	\$325.50	1							
DSO/VOICE	LH	04NO2	Rem Term		(\$63.00)								
		0.4310.2	СО	Basic Plug Credit SLCULFE2	\$325.50	1	\$588.00	4291 NA	\$399.23				
		04NO2	CO	DUCULF EZ	\$343.30	Т	5200.00	\$454.UU	496.825	39.98%	\$198.63		257C
													_

				 TIF &		
	1		1	SPARE	TOTAL	
Channel Performance	INVESTMENT	Weighting		& FILL	INVESTMEN	1T
With Multiplexing						
NC Code						
LOOP START - LO/LS	\$166.14	60.65%	\$100.77			
GROUND START	\$166.14	3.54%	\$5.88	i		
REVERSE BATTERY & PBX	\$177.14	0.14%	\$0.25			
NO SIGNALLING	\$257.21	35.67%	\$91.74			
DS1/DS0 MUX	K, Low Side Ch	nannelization	\$198.63	 1.5104	\$300.03	257C

MULTIPLEXING				
NC Code	USOC	QTY		
LO	PJWCX	6771	10.13%	
LS	PJWHX	33790	50.53%	
GS	PCWJX	2366	3.54%	
RB	PCW1X	93	0.14%	
NO SIGNAL	PCWEX	23852	35.67%	
		66872	100.00%	

257C		Maintenance	TIF & SPARE
Plug-Ins	TIF	Spare	FACTOR
Without Warehouse	1.3594	0.90	1.5104

South Dakota

TIF from the Electronic Data Base, Vintage 00V2, 6/01.

CLS = Class Of Service

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TIF = Total Investment Factor

NI = Network Interface

NCI Code = Network Channel Interface Code

NC Code = Network Channel Code

USOC = Universal Service Order Code

DLC = Digital Loop Carrier (Pair Gain)

CDW = Corporate Data Warehouse

#### PLUGS AND PRICES FROM ENGINEERING

The plugs and prices of the plugs are from engineering, Robert Argetsinger, May of 2000 and are at a 2000 level.

	NČ	NCI CODE	CI CODE NCI CODE DESCRIPTION										
	CODE	End-User NI	CLEC NI	CLEI	<b>VENDOR</b>		OF PLUG		PRICE	QUANITY	WEIGHTING	ACCOUNT	
LOOP START - LO/LS	3												
a. DSO/VOICE	LC	02LS2		D4F1GWS	XEL	2W	FXS/DPO		\$82.00	1		357C	
			04LO2	D4FIHPO	XEL	4W	FXO		\$133.00	1	\$66.50	357C	
			04LO2	D4CXG337AA	PULSECOM	4W	FXO		\$114.00	1	\$57.00 \$123.50	357C	
b. DSO/VOICE	LC	02LS2		D4F1GWS	XEL	2W	FXS/DPO		\$82.00	1	φ123.30	357C	
			02LO2	D4F1CE0CAA	PULSECOM	2W	FXO		\$71.00	1	\$23.43	357C	
			02LO2	D4F1JR0	XEL	2W	FXO/DPT G	NTR	\$112.00	1	\$36.96	357C	
			02LO2	D4F1HP0	XEL	2W	FXO/DPT G	NTR	\$74.00	1	\$24.42	357C	
DOGAVOIGE		001.00		D 4 D 4 G 7 7 G	****	0.7.7	<b>T</b> IIG (DD0		400 00	4	\$84.81	0570	
c. DSO/VOICE	LC	02LS2		D4F1GWS	XEL	2W	FXS/DPO		\$82.00	1		357C	
GROUND START													
d. DSO/VOICE	LD	02GS2		D4F1GWS	XEL	2W	FXS/DPO		\$82.00	1		357C	
			04GO2	D4FIHPO	XEL	4W	FXO		\$133.00	1	\$66.50	357C	
			04GO2	D4CXG337AA	PULSECOM	1 4W	FXO		\$114.00	1	\$57.00	357C	
- D004/010E	LD	00000		DAE1 ONG	37.57	25.7	EVG /DDO		400 00	1	\$123.50	357C	
e. DSO/VOICE	LD	02GS2		D4F1GWS	XEL	∠W	FXS/DPO		\$82.00	i		3370	
			02GO2	D4F1CE0CAA	PULSECOM	1 2 W	FXO		\$71.00	1	\$23.43	357C	
			02GO2	D4F1JR0	XEL	2W	FXO/DPT G	INTR	\$112.00	1	\$36.96	357C	
			02GO2	D4F1HP0	XEL	2W	FXO/DPT G	SNTR	\$74.00	1	\$24.42	357C	
											\$84.81		
f. DSO/VOICE	LD	02GS2		D4F1GWS	XEL	2W	FXS/DPO		\$82.00	1		357C	
g. DSO/VOICE		02RV2.T		D4F1JR0	XEL	2W	FXO/DPT G	SNTR	\$112.00	1	\$56.00	357C	
Ü		02RV2.T		D4F1HP0	XEL	2W	FXO/DPT G	SNTR	\$74.00	1	\$37.00	357C	
											\$93.00		

h. DSO/VOICE	LH	02NO2		D4CTN8F	XEL	2W	ETO	\$140.00	1	\$46.20	357C
		02NO2		D4CTDDL9AB	PULSECOM	1 2W	TO	\$79.00	1	\$26.07	357C
		02NO2		D4CTSB09AB	PULSECOM	1 2W	TO/GT	\$123.00	1	\$40.59	357C
										\$112.86	
			04NO0	D4G0G44	TATE T	A T.7	mo.	¢oe eo	4	\$28.22	357C
			04NO2	D4C0S44	XEL	4W		\$85.50	- I		
			04NO2	D4CTHPL9AA	PULSECOM			\$93.00	1	\$30.69	357C
			04NO2	D4C0P775AA	PULSECOM	1 4W	TO	\$71.00	7	\$23.43	357C
										\$82.34	
j. DSO/VOICE	LH	02NO2		D4CTN8F	XEL	2W	ETO	\$140.00	1	\$46.20	357C
<b>,</b>		02NO2		D4CTDDL9AB	PULSECOM	1 2W	TO	\$79.00	1	\$26.07	357C
		02NO2		D4CTSB09AB	PULSECOM	1 2W	TO/GT	\$123.00	1	\$40.59	357C
								·		\$112.86	
			02NO2	D4CTN8F	XEL	717.0	ETO	\$140.00	1	\$46.20	357C
			02NO2	D4CTNOF D4CTDDL9AB	PULSECOM			\$79.00	1	\$26.07	357C
			02NO2 02NO2	D4CTDDL9AB	PULSECOM			\$123.00	1	\$40.59	357C
			UZINOZ	D4CTSBU9AB	PULSECOP.	1 Z W	10/G1	\$123.00	i	\$112.86	3370
										φ112.00	
i. DSO/VOICE	LH	04NO2		D4C0S44	XEL	4W	TO	\$85.50	1	\$28.22	357C
		04NO2		D4CTHPL9AA	PULSECOM	1 4W	ETO	\$93.00	1	\$30.69	357C
		04NO2		D4C0P775AA	PULSECOM	4 4W	TO	\$71.00	1	\$23.43	357C
										\$82.34	
			04NO2	D4C0S44	XEL	4W	TO	\$85.50	1	\$28.22	357C
			04NO2	D4CTHPL9AA	PULSECOM	M 4W	ETO	\$93.00	1	\$30.69	357C
			04NO2	D4C0P775AA	PULSECOM	M 4W	TO	\$71.00	1	\$23.43	357C
										\$82.34	
k. DSO/VOICE	LH	02NO2		D4F1GWS	XEL	2W	FXS/DPO	\$82.00	1	\$27.06	357C
R. 500/ VOICE		02NO2		D4CTDDL9AB	PULSECOM			\$79.00	1	\$26.07	357C
		02NO2		D4CTBBB9AB	PULSECON			\$123.00	1	\$40.59	357C
		OZINOZ		DECIDEODAD	101011001		10,01	Ψ <b>12</b> 0.00	•	\$93.72	23.0
										T	

I. DSO/VOICE	LH	04NO2 04NO2 04NO2	D4F1GWS D4CTHPL9AA D4C0P775AA	XEL PULSECOM PULSECOM		\$82.00 \$93.00 \$71.00	1 1 1 _	\$27.06 \$30.69 \$23.43 \$81.18	357C 357C 357C
Used in Back to Bac Used in Back to Bac			D4IMRA0BAA D4CEP155AA			\$132.00 \$86.00	-	\$66.00 \$43.00 \$109.00	357C 357C
Basic Plug Credit DCS						\$63.00 \$120.62			357C 357C
LSDEMUX SLCUDCU2 SLCUECNC SLCULFE2			COE REMOTE TE 4W BOTH ENDS			\$140.37 \$115.55 \$157.90 \$325.50			357C 357C

FILE: DW3.XLS & SOURCE: RJ26, CCRIS-BILLED QUA	DW BPRRD1 NTITIES OF S	0V, ANN H SELECTED	IERONY	MUS	RB LA LB LC	PCW1X PCWAX PCWBX PCWCX	93 2355 6882 30097	
(		,	REV		NOS	PCWEX	23852	
YEARMO ST	USOC	CLS	TYP	QTY		PJWHX	33790	
200004 MN	PCW1X	PYC2N	R		CSR	PCWHX	414	
200004 MN	PCW1X	PYC3N	R		GS	PCWJX	2366	
200004 MN 200004 MN	PCW1X	RCCML	R		E&M	PCWXX		
200004 MN 200004 ND	PCW1X	PYC3N	R		LO	PJWCX	5090 6771	
						PJVVCX	6771	
200004 NE	PCW1X	PYC3N	R	10			111710	
200004 SD	PCW1X	PYC3N	R	5				
200004 AZ	PCWAX	125	R	9		PCW1X	93	
200004 AZ	PCWAX	C21XX	R	33				
200004 AZ	PCWAX	DQKXX	R	130				
200004 AZ	PCWAX	FFNJX	R		MULTIP			
200004 AZ	PCWAX	FFNUX	R		LO	PJWCX	6771	10.13%
200004 AZ	PCWAX	PYC2N	R		LS	PJWHX	33790	50.53%
200004 AZ	PCWAX	XBHXX	R	2	: GS	PCWJX	2366	3.54%
200004 AZ	PCWAX	XFBXX	R	145	RB	PCW1X	93	0.14%
200004 AZ	PCWAX	XLBXX	R	14	NO S	PCWEX	23852	35.67%
200004 AZ	PCWAX	XMBXX	R	2	) -		66872	100.00%
200004 IA	PCWAX	PYC2N	R	91				
200004 IA	PCWAX	PYCDL	R			e Channel Per	formance	
200004 ID	PCWAX	C21XX	R		LO	PJWCX	6771	10.14%
200004 ID	PCWAX	FFN2X	R		LS	PJWHX	33790	50.60%
200004 ID	PCWAX	GFFUA	R		GS	PCWJX	2366	3.54%
200004 ID	PCWAX	PYC2N	R		NOS	PCWEX	23852	35.72%
200004 ID	PCWAX	XBHXX	R			, 0	66779	100.00%
200004 ID 200004 ID	PCWAX	XFBXX	R	4			00779	100.00 /6
200004 IP	PCWAX	1FL	R	1				
200004 IP	PCWAX	COPXX	R	26				
200004 MH	PCWAX	COPXX	R	11				
200004 MN	PCWAX	PYC2N	R	360				
200004 MN 200004 MN	PCWAX	PYCDL	R	1				
200004 MN 200004 MN	PCWAX	PYCDS	n R	-				
				•				
200004 MT	PCWAX	DQKXX	R	2				
200004 MT	PCWAX	FFNUX	R	3				
200004 MT	PCWAX	GFFJC	R	2				
200004 MT	PCWAX	PYC2N	R	3				
200004 MT	PCWAX	XBHXX	R	30				
200004 ND	PCWAX	PYC2N	R	100				
200004 NE	PCWAX	PYC2N	R	37				
200004 OR	PCWAX	1FL	R	3				
200004 OR	PCWAX	C21XX	R	21				
200004 OR	PCWAX	COPXX	R	16				
200004 OR	PCWAX	DQKXX	R	24				
200004 OR	PCWAX	EF9	R	2				
200004 OR	PCWAX	FFN2X	R	3-				
200004 OR	PCWAX	FFNDX	R	17				
200004 OR	PCWAX	FFNJX	R	8				
200004 OR	PCWAX	FFNUX	R	1.	1			

200004 OR	PCWAX	JBG	R	8		
200004 OR	PCWAX	JBH	R	1		
200004 OR	PCWAX	PYC2N	R	33		
200004 SD	PCWAX	PYC2N	R	58		
200004 SD	PCWAX	XZV29	R	10		
200004 UT	PCWAX	C21XX	R	2		
200004 UT	PCWAX	DQKXX	R	8		
200004 UT	PCWAX	FFB1E	R	5		
200004 UT	PCWAX	PYC2N	R	15		
200004 UT	PCWAX	XBHXX	R	32		
200004 UT	PCWAX	XFBXX	R	9		
200004 WA	PCWAX	C21XX	R	95		
200004 WA	PCWAX	COPXX	R	267		
200004 WA	PCWAX	DQKXX	R	47		
200004 WA	PCWAX	FFN2X	R	30		
200004 WA	PCWAX	FFNJX	R	3		
200004 WA	PCWAX	FFNUX	R	22		
200004 WA	PCWAX	FNX	R	2		
200004 WA	PCWAX	FXRXX	R	1		
200004 WA	PCWAX	HFB	R	2		
200004 WA	PCWAX	JBG	R	28		
200004 WA	PCWAX	JBM	R	2		
200004 WA	PCWAX	LMB	R	3		
200004 WA	PCWAX	PYC2N	R	113		
200004 WA	PCWAX	SFO	R	2		
200004 WA	PCWAX	XLAYX	R	1		
200004 WY	PCWAX	C21XX	R	14		
200004 WY	PCWAX	FFBVF	R	2		
200004 WY	PCWAX	GFFUA	R	2		
200004 WY	PCWAX	<b>GFFUC</b>	R	40		
200004 WY	PCWAX	PYC2N	R	32		
200004 WY	PCWAX	XBHXX	R	15		
200004 WY	PCWAX	XFFXX	R	1	PCWAX	2355
200004 AZ	PCWBX	125	R	1		
200004 AZ	PCWBX	C21XX	R	48		
200004 AZ	PCWBX	DQ6XX	R	4		
200004 AZ	PCWBX	DQKXX	R	216		
200004 AZ	PCWBX	EZB2X	R	1		
200004 AZ	PCWBX	FFN2X	R	3		
200004 AZ	PCWBX	FFNUX	R	1		
200004 AZ	PCWBX	PYC2N	R	135		
200004 AZ	PCWBX	XBHXX	R	5		
200004 AZ	PCWBX	XFBXX	R	521		
200004 AZ	PCWBX	XMBXX	R	12		
200004 IA	PCWBX	PYC2N	R	149		
200004 IA	PCWBX	PYCDL	R	5		
200004 IA	PCWBX	<b>PYCDS</b>	R	1		
200004 ID	PCWBX	8NA	R	47		
200004 ID	PCWBX	C21XX	R	2		
200004 ID	PCWBX	DQ6XX	R	53		
200004 ID	PCWBX	DQKXX	R	56		
200004 ID	PCWBX	F3FDD	R	6		
200004 ID	PCWBX	FFB1H	R	14		

200004 ID	PCWBX	FFBHM	R	4
200004 ID	PCWBX	FFBVD	R	12
200004 ID	PCWBX	FFNYX	R	4
200004 ID	PCWBX	FYB1M	R	2
200004 ID	<b>PCWBX</b>	GFFUA	R	4
200004 ID	<b>PCWBX</b>	PYC2N	R	35
200004 ID	<b>PCWBX</b>	PYC6N	R	4
200004 ID	<b>PCWBX</b>	XBHXX	R	128
200004 ID	<b>PCWBX</b>	XFBXX	R	71
200004 ID	<b>PCWBX</b>	XFFXX	R	8
200004 ID	<b>PCWBX</b>	XFMXX	R	2
200004 ID	<b>PCWBX</b>	XMHXX	R	2
200004 MN	PCWBX	PYC2N	R	1209
200004 MN	<b>PCWBX</b>	PYCDL	R	1
200004 MN	PCWBX	XZV29	R	3
200004 MT	PCWBX	8NA	R	4
200004 MT	PCWBX	C21XX	R	4
200004 MT	PCWBX	DQKXX	R	50
200004 MT	PCWBX	FFB1J	R	17
200004 MT	PCWBX	FFBVF	R	2
200004 MT	PCWBX	FYB1K	R	2
200004 MT	PCWBX	GFFSC	R	8
200004 MT	PCWBX	GFFSE	R	6
200004 MT	PCWBX	GMSXX	R	2
200004 MT	PCWBX	PYC2N	R.	110
200004 MT	PCWBX	XBHXX	R	45
200004 MT	PCWBX	XFBXX	R	28
200004 MT	PCWBX	XMHXX	R	2
200004 ND	PCWBX	PYC2N	R	152
200004 ND 200004 NE	PCWBX PCWBX	PYCDL PYC2N	R	2
200004 NE 200004 OR	PCWBX	1FL	R R	219 13
200004 OR 200004 OR	PCWBX	C21XX	R	49
200004 OR 200004 OR	PCWBX	COPXX	R	598
200004 OR	PCWBX	DQKXX	R	236
200004 OR	PCWBX	FFN2X	R	230
200004 OR	PCWBX	FFNDX	R	11
200004 OR	PCWBX	FFNJX	R	30
200004 OR	PCWBX	FFNUX	R	31
200004 OR	PCWBX	JBG	R	4
200004 OR	PCWBX	LMB	R	1
200004 OR	PCWBX	PYC2N	R	75
200004 SD	<b>PCWBX</b>	PYC2N	R	140
200004 SD	<b>PCWBX</b>	XZV29	R	1
200004 UT	<b>PCWBX</b>	C21XX	R	9
200004 UT	<b>PCWBX</b>	DQKXX	R	13
200004 UT	<b>PCWBX</b>	FFB6E	R	3
200004 UT	PCWBX	KFTXX	R	18
200004 UT	PCWBX	P161K	R	30
200004 UT	<b>PCWBX</b>	PYC2N	R	42
200004 UT	PCWBX	PYC6N	R	4
200004 UT	PCWBX	XBHXX	R	65
200004 UT	PCWBX	XFBXX	R	15

200004 WA	PCWBX	8NA	R	13		
200004 WA	PCWBX	C21XX	R	81		
200004 WA	PCWBX	COPXX	R	776		
200004 WA	PCWBX	CYR2X	R	6		
200004 WA	PCWBX	DQKXX	R	153		
200004 WA	PCWBX	FFN2X	R	6		
200004 WA	PCWBX	FFNJX	R	4		
200004 WA	PCWBX	FFNUX	R	12		
200004 WA	PCWBX	JBG	R	5		
200004 WA	PCWBX	LMB	R	7		
200004 WA	PCWBX	PYC2N	R	346		
200004 WA	PCWBX	SFO	R	2		
200004 WY	PCWBX	C21XX	R	2		
200004 WY	PCWBX	DQ6XX	R	16	•	
200004 WY	PCWBX	DQKXX	R	30		
200004 WY	PCWBX	FFB1G	R	4		
200004 WY	PCWBX	FFB1J	R	154		
200004 WY	PCWBX	FFB1N	R	21		
200004 WY	PCWBX	FFB1O	R	12		
200004 WY	PCWBX	FFBHN	R	34		
200004 WY	PCWBX	FFBVD	R	2		
200004 WY	PCWBX	P161G	R	14		
200004 WY	PCWBX	PYC2N	R	52		
200004 WY	PCWBX	XBHXX	R	174		
200004 WY	PCWBX	XFBXX	R	128		
200004 WY	PCWBX	XFHXX	R	11		
200004 WY	PCWBX	XFMXX	R	2		
200004 WY	PCWBX	XMHXX	R	4	PCWBX	6882
200004 AZ	PCWCX	8NA	R	23		
200004 AZ	PCWCX	C21XX	R	156		
200004 AZ	PCWCX	DQ6XX	R	14		
200004 AZ	PCWCX	DQKXX	R	1079		
200004 AZ	PCWCX	DQVXX	R	5		,
200004 AZ	PCWCX	FFN2X	R	5		
200004 AZ	PCWCX	FFNJX	R	19		
200004 AZ	PCWCX	<b>FFNUX</b>	R	6		
200004 AZ	PCWCX	PYC2N	R	335		
200004 AZ	PCWCX	PYC6N	R	23		
200004 AZ	PCWCX	XBHXX	R	5		
200004 AZ	PCWCX	XFBXX	R	3254		
200004 IA	PCWCX	FXKTL	R	2		
200004 IA	PCWCX	PYC2N	R	1252		
200004 IA	PCWCX	PYCDL	R	8	•	
200004 IA	PCWCX	<b>PYCDS</b>	R	3		
200004 ID	PCWCX	1FMUX	R	68		
200004 ID	PCWCX	8NA	R	4		
200004 ID	PCWCX	C21XX	R	2		
200004 ID	PCWCX	DQ6XX	R	26		
200004 ID	PCWCX	DQKXX	R	102		
200004 ID	PCWCX	FFB1D	R	2		
200004 ID	PCWCX	FFB1G	R	6		
200004 ID	PCWCX	FFB1H	R	2		
200004 ID	PCWCX	FFN2X	R	9		

200004 ID	PCWCX	GFFSC	R	2
200004 ID	PCWCX	GFFUC	R	6
200004 ID	PCWCX	PYC2N	R	61
200004 ID	PCWCX	XAVTT	R	2
200004 ID	PCWCX	XBHXX	R	331
200004 ID	PCWCX	XFBXX	R	42
200004 ID				
	PCWCX	XFFXX	R	22
200004 IP	PCWCX	1FL	R	4
200004 IP	PCWCX	PYC2N	R	6
200004 MH	PCWCX	COPXX	R	2
200004 MN	PCWCX	FFBVF	R	5
200004 MN	PCWCX	FXKTL	R	1
200004 MN	PCWCX	PYC2N	R	4323
200004 MN	PCWCX	PYCDL	R	96
200004 MN	PCWCX	PYCDS	R	1
200004 MT	PCWCX	8NA	R	22
200004 MT	PCWCX	C21XX	R	12
200004 MT	PCWCX	DQKXX	R	39
200004 MT	PCWCX	FFB1J	R	6
200004 MT	PCWCX	FFBVX	R	2
200004 MT	PCWCX	GFFUC	R	2
200004 MT	PCWCX	J2AXX	R	4
200004 MT	PCWCX	PYC2N	R	118
200004 MT	PCWCX	XBHXX	R	94
200004 MT	PCWCX	XFBXX	R	28
200004 MT	PCWCX	XFFXX	R	
				6
200004 MT	PCWCX	XMHXX	R	34
200004 ND	PCWCX	PYC2N	R	553
200004 NE	PCWCX	PYC2N	R	820
200004 NE	PCWCX	XZV29	R	2
200004 OR	PCWCX	1FL	R	13
200004 OR	PCWCX	8NA	R	23
200004 OR	PCWCX	C21XX		
			R	151
200004 OR	PCWCX	COPXX	R	3924
200004 OR	PCWCX	COQXX	R	6
200004 OR	PCWCX	DQKXX	R	1424
200004 OR	PCWCX	EF9	R	2
200004 OR	PCWCX	FFN2X	R	75
200004 OR	PCWCX	FFNDX	R	76
200004 OR	PCWCX	FFNJX		
			R	21
200004 OR	PCWCX	FFNUX	R	56
200004 OR	PCWCX	GRP	R	1
200004 OR	PCWCX	JBG	R	12
200004 OR	PCWCX	JBH	R	2
200004 OR	<b>PCWCX</b>	LMB	R	2
200004 OR	PCWCX	PYC2N	R	503
200004 SD	PCWCX	PYC2N	R	1577
200004 SD	PCWCX	XFBXX	R	1
200004 SD	PCWCX	XZV29	R	3
200004 UT	PCWCX	C21XX	R	21
200004 UT	PCWCX	DQ6XX	R	136
200004 UT	PCWCX	DQKXX	R	261
200004 UT	PCWCX		R	
∠00004 U1	FUVVUX	FFB1E	ц	1

200004 UT	PCWCX	FFB1G	R	6		
200004 UT	PCWCX	FFBH8	R	5		
200004 UT	PCWCX	FFBHU	R	2		
200004 UT	PCWCX	FFBVF	R	_ 4		
200004 UT	PCWCX	FFNJX	R	1		
200004 UT	PCWCX	GFFJE	R	6		
200004 UT	PCWCX	P161K	R	3		
200004 UT	PCWCX	PYC2N	R	93		
200004 UT	PCWCX	XBHXX	R	1200		
200004 UT	PCWCX	XFBXX	R	268		
200004 UT	PCWCX	XFFXX	R	1		
200004 UT	PCWCX	XFHXX	R	3		
200004 UT	PCWCX	XFMXX	R	52		
200004 01 200004 WA	PCWCX	C21XX	R	187		
200004 WA 200004 WA	PCWCX	COPXX	R			
200004 WA 200004 WA				3825		
	PCWCX	COQXX	R	9		
200004 WA	PCWCX	DQKXX	R	1122		
200004 WA	PCWCX	FFN2X	R	21		
200004 WA	PCWCX	FFNDX	R	2		
200004 WA	PCWCX	FFNJX	R	1		
200004 WA	PCWCX	FFNUX	R	51		
200004 WA	PCWCX	FXRXX	R	16		
200004 WA	PCWCX	JBG	R	48		
200004 WA	PCWCX	JBV	R	1		
200004 WA	PCWCX	PYC2N	R	917		
200004 WA	PCWCX	SFO	R	7		
200004 WA	PCWCX	XLAYX	R	1		
200004 WA	PCWCX	XZV29	R	1		
200004 WY	PCWCX	8NA	R	46		
200004 WY	PCWCX	C21XX	R	15		
200004 WY	PCWCX	DQ6XX	R	31		
200004 WY	PCWCX	DQKXX	R	82		
200004 WY	PCWCX	FFB1F	R	22		
200004 WY	PCWCX	FFB1G	R	4		
200004 WY	PCWCX	FFB1J	R	115		
200004 WY	PCWCX	FFB10	R	1		
200004 WY	PCWCX	FFBHN	R	32		
200004 WY	PCWCX	FFBVG	R	18		
200004 WY	PCWCX	FFBWX	R	13		
200004 WY	PCWCX	GFFJC	R	1		
200004 WY	PCWCX	GFFJE	R	14		
200004 WY	PCWCX	P161M	R	2		
200004 WY	PCWCX	PYC2N	R	138		
200004 WY	PCWCX	UEE	R	4		
200004 WY	PCWCX	XBHXX	R	147		
200004 WY	PCWCX	XFBXX	R	154		
200004 WY	PCWCX	XFHXX	R	10		
200004 WY	PCWCX	XFMXX	R	48	PCWCX	30097
200004 AZ	PCWEX	C21XX	R	3		
200004 AZ	PCWEX	DQKXX	R	4		
200004 AZ	PCWEX	EZB2X	R	3		
200004 AZ	PCWEX	FFNUX	R	13		
200004 AZ	PCWEX	PLDRL	R	2		
				<del>-</del>		

200004 AZ	PCWEX	PYC1N	R	14
200004 AZ	<b>PCWEX</b>	PYC2N	R	3960
200004 AZ	PCWEX	PYC3N	R	38
200004 AZ	<b>PCWEX</b>	PYC6N	R	16
200004 AZ	<b>PCWEX</b>	PYKJN	R	1
200004 AZ	PCWEX	XBAXT	R	1
200004 AZ	<b>PCWEX</b>	XFBXX	R	18
200004 AZ	PCWEX	XZV69	R	3
200004 IA	<b>PCWEX</b>	LDCFL	R	1
200004 IA	PCWEX	PYC1N	R	1
200004 IA	PCWEX	PYC2N	R	2072
200004 IA	PCWEX	PYC3N	R	30
200004 IA	PCWEX	PYC6N	R	165
200004 IA	<b>PCWEX</b>	PYCDL	R	11
200004 IA	<b>PCWEX</b>	<b>PYCDS</b>	R	3
200004 IA	<b>PCWEX</b>	RCCPN	R	3
200004 ID	PCWEX	PYC1N	R	2
200004 ID	PCWEX	PYC2N	R	513
200004 ID	PCWEX	PYC3N	R	4
200004 ID	PCWEX	PYC6N	R	3
200004 IP	PCWEX	PYC1N	R	2
200004 IP	<b>PCWEX</b>	PYC2N	R	67
200004 IP	<b>PCWEX</b>	PYC6N	R	14
200004 MH	PCWEX	PYC2N	R	71
200004 MN	<b>PCWEX</b>	FXKTL	R	1
200004 MN	PCWEX	<b>FXKTS</b>	R	5
200004 MN	PCWEX	PYC1N	R	132
200004 MN	PCWEX	PYC2N	R	4046
200004 MN	PCWEX	PYC3N	R	227
200004 MN	PCWEX	PYC6N	R	731
200004 MN	PCWEX	PYCDL	R	85
200004 MN	PCWEX	PYCDS	R	1
200004 MN	PCWEX	XZV19	R	4
200004 MN	PCWEX	XZV29	R	70
200004 MN	PCWEX	XZV59	R	2
200004 MN	PCWEX	XZV69	R	1
200004 MN	PCWEX	XZVA9	R	2
200004 MT	PCWEX	C21XX	R	2
200004 MT	PCWEX	DQKXX	R	1
200004 MT	PCWEX	PLYVL	R	2
200004 MT	PCWEX	PYC2N	R	742
200004 MT	PCWEX	PYC3N	R	17
200004 MT	PCWEX	PYC6N	R	2
200004 MT	PCWEX	XBHXX	R	6
200004 MT	PCWEX	XZV19	R	2
200004 ND	PCWEX	OMRVL	R	6
200004 ND	PCWEX	PYC1N	R	6
200004 ND	PCWEX	PYC2N	R	705
200004 ND	PCWEX	PYC3N	R	5
200004 ND	PCWEX	PYC6N	R	11
200004 ND	PCWEX	PYCDL	R	27
200004 ND	PCWEX	PYKGN	R	7
200004 ND	PCWEX	XDV2X	R	2

200004 NE	PCWEX	PYC2N	R	1201		
200004 NE	PCWEX	PYC3N	R	6		
200004 NE	PCWEX	XZV19	R	2		
200004 NE	PCWEX	XZV39	R	2		
200004 NE	<b>PCWEX</b>	XZV59	R	10		
200004 OR	PCWEX	COPXX	R	91		
200004 OR	PCWEX	FFNUX	R	2		
200004 OR	PCWEX	JBH	R	2		
200004 OR	PCWEX	PYC1N	R	36		
200004 OR	PCWEX	PYC2N	R	1438		
200004 OR	PCWEX	PYC3N	R	40		
200004 OR	PCWEX	PYC6N	R	699		
200004 OR	PCWEX	XZV29	R	5		
200004 OR 200004 OR	PCWEX	XZVA9	R	2		
200004 OR 200004 SD	PCWEX	PYC1N	R	6		
200004 SD 200004 SD	PCWEX		R	1129		
		PYC2N				
200004 SD	PCWEX	XZV29	R	6		
200004 UT	PCWEX	C21XX	R	4		
200004 UT	PCWEX	DQKXX	R	6		
200004 UT	PCWEX	PYC1N	R	14		
200004 UT	PCWEX	PYC2N	R	853		
200004 UT	PCWEX	PYC3N	R	34		
200004 UT	PCWEX	PYC6N	R	2		
200004 UT	PCWEX	PYKM1	R	6		
200004 UT	PCWEX	PYKM2	R	1		
200004 UT	PCWEX	XBAXT	R	7		
200004 UT	PCWEX	XBHXX	R	16		
200004 UT	PCWEX	XDV6X	R	1		
200004 UT	PCWEX	XFBXX	R	10		
200004 UT	PCWEX	XZV69	R	2		
200004 UT	PCWEX	XZVA9	R	2		
200004 WA	PCWEX	C21XX	R	4		
200004 WA	PCWEX	COPXX	R	13		
200004 WA	PCWEX	DQKXX	R	3		
200004 WA	PCWEX	PYC1N	R	36		
200004 WA	PCWEX	PYC2N	R	2135		
200004 WA	<b>PCWEX</b>	PYC3N	R	184		
200004 WA	PCWEX	PYC6N	R	682		
200004 WA	PCWEX	PYC9N	R	2		
200004 WA	<b>PCWEX</b>	XZV29	R	16		
200004 WA	<b>PCWEX</b>	XZV69	R	1		
200004 WY	<b>PCWEX</b>	91L	R	2		
200004 WY	<b>PCWEX</b>	PYC1N	R	2		
200004 WY	<b>PCWEX</b>	PYC2N	R	1190		
200004 WY	<b>PCWEX</b>	PYC3N	R	12		
200004 WY	PCWEX	PYC6N	R	6		
200004 WY	PCWEX	XAVOL	R	6		
200004 WY	PCWEX	XFBXX	R	9		
200004 WY	PCWEX	XZVA9	R	26	PCWEX	23852
200004 AZ	PCWHX	8NA	R	1		
200004 AZ	PCWHX	C21XX	R	18		
200004 AZ	PCWHX	DQ6XX	R	2		
200004 AZ	PCWHX	DQKXX	R	20		
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200004 AZ	PCWHX	FFNUX	R	1		
200004 AZ	PCWHX	PYC2N	R	74		
200004 AZ	PCWHX	XFBXX	R	8		
200004 IA	PCWHX	PYC2N	R	33		
200004 ID	PCWHX	PYC2N	R	2		
200004 ID	PCWHX	XBHXX	R	1		
200004 ID	PCWHX	XFBXX	R	1		
200004 MN	PCWHX	PYC2N	R	2		
200004 MT	PCWHX	PYC2N	R	31		
200004 MT	PCWHX	XBHXX	R	1		
200004 ND	PCWHX	PYC2N	R	48		
200004 NE	PCWHX	PYC2N	R	37		
200004 OR	PCWHX	PYC2N	R	11		
200004 SD	PCWHX	PYC2N	R	76		
200004 UT	PCWHX	PYC2N	R	12		
200004 WA	PCWHX	FFN2X	R	3		
200004 WA	PCWHX	PYC2N	R	23		
200004 WY	PCWHX	PYC2N	R	9	PCWHX	414
200004 IA	PCWJX	PYC3N	R	3		
200004 IA	PCWJX	PYC9N	R	3		
200004 MN	PCWJX	FXPTL	R	. 1		
200004 MN	PCWJX	<b>FXPTS</b>	R	73		•
200004 MN	PCWJX	PYC3N	R	4		
200004 ND	PCWJX	<b>FXPTS</b>	R	2		
200004 OR	PCWJX	COPXX	R	1912		
200004 OR	PCWJX	DQKXX	R	224		
200004 OR	PCWJX	PYC2N	R	28		
200004 OR	PCWJX	PYC3N	R	76		
200004 OR	PCWJX	XZV39	R	4		
200004 WA	PCWJX	COPXX	R	1		
200004 WA	PCWJX	PYC3N	R	34		
200004 WA	PCWJX	XZV39	R	1	PCWJX	2366
200004 AZ	PCWKX	C21XX	R	10		
200004 AZ	PCWKX	DQKXX	R	77		
200004 AZ	PCWKX	FFN2X	R	69		
200004 AZ	PCWKX	FFNJX	R	. 12		
200004 AZ	PCWKX	FFNUX	R	23		
200004 AZ	PCWKX	PYC2N	R	2		
200004 AZ	PCWKX	PYC3N	R	83		
200004 AZ	PCWKX	PYC6N	R	1		
200004 AZ	PCWKX	XBHXX	R	14		
200004 AZ	PCWKX	XFBXX	R	400		
200004 IA	PCWKX	PYC3N	R	136		
200004 ID	PCWKX	DQKXX	R	49		
200004 ID	PCWKX	FFB1H	R	1		
200004 ID	PCWKX	<b>FFNUX</b>	R	4		
200004 ID	PCWKX	<b>GFFSC</b>	R	8		
200004 ID	PCWKX	PYC3N	R	48		
200004 ID	PCWKX	PYC6N	R	2		
200004 ID	PCWKX	XAVUT	R	2		
200004 ID	PCWKX	XBHXX	R	34		
200004 ID	PCWKX	XDV3X	R	8		
200004 ID	PCWKX	XDV7X	R	10		

200004 ID	PCWKX	XFBXX	R	16	
200004 ID	PCWKX	XFFXX	R	2	
200004 IP	PCWKX	PYC3N	R	2	
				4	
200004 MH	PCWKX	PYC3N	R		
200004 MN	PCWKX	FXPTS	R	1	
200004 MN	PCWKX	PYC3N	R	1216	
200004 MT	PCWKX	8NA	R	2	
200004 MT	PCWKX	C21XX	R	2	
200004 MT	PCWKX	DQKXX	R	_ 14	
200004 MT	PCWKX	PYC2N	R	2	
200004 MT	PCWKX	PYC3N	R	50	
200004 MT	PCWKX	XAVWT	R	4	
200004 MT	PCWKX	XBHXX	R	4	
200004 ND	PCWKX	PYC3N	R	49	
200004 NE	PCWKX	PYC3N	R	44	
200004 OR	PCWKX	1FMJX	R	16	
200004 OR	PCWKX	C21XX	R	8	
200004 OR	PCWKX	COPXX	R	260	
200004 OR	PCWKX	CYR2X	R	5	
200004 OR	PCWKX	DQKXX	R	32	
200004 OR	PCWKX	FFN2X	R	9	
200004 OR	PCWKX	FFNUX	R	2	
200004 OR	PCWKX	JBG	R	4	
200004 OR	PCWKX	PYC3N	R	343	
200004 OR	PCWKX	PYC9N	R	1	
200004 SD	PCWKX	PYC3N	R	87	
200004 UT	PCWKX	C21XX	R	2	
200004 UT	PCWKX	EZB2X	R	4	
200004 UT	PCWKX	FFB1G	R	6	
200004 UT	PCWKX	FFNUX	R	2	
200004 UT	PCWKX	GFFJE	R	4	
200004 UT	PCWKX	PYC3N	R	55	
200004 UT	PCWKX	UEE	R	4	
200004 UT	PCWKX	XBAXT	R	5	
200004 UT	PCWKX	XBHXX	R	72	
200004 UT	PCWKX	XFBXX	R	40	
200004 WA	PCWKX	C21XX	R	2	
200004 WA	PCWKX	COPXX	R	111	
200004 WA	PCWKX	DQKXX	R	256	
200004 WA	PCWKX	FFNUX	R	16	
200001 WA	PCWKX	PYC3N	R	1128	
200004 WA	PCWKX	RZHCN	R	20	
200004 WA	PCWKX	XLAYX	R	11	
200004 WA	PCWKX	XZV39	R	5	
200004 WY	PCWKX	DQKXX	R	25	
200004 WY	PCWKX	EZB3X	R	4	
200004 WY	PCWKX	<b>EZBYX</b>	R	46	
200004 WY	PCWKX	FFB1G	R	4	
200004 WY	PCWKX	FFB10	R		
200004 WY	PCWKX	PYC3N	R	28	
200004 WY	PCWKX	XBHXX	R	46	<b>D</b>
200004 WY	PCWKX	XFBXX	R	16	PCWKX
200004 AZ	PJWCX	1FMUX	R	438	

5090

200004 AZ	PJWCX	C21XX	R	12		
200004 AZ	PJWCX	DQKXX	R	4		
200004 AZ	PJWCX	EZB2X	R	630		
200004 AZ	PJWCX	FFN2X	R	256		
200004 AZ	PJWCX	FFNJX	R	264		
200004 AZ	PJWCX	FFNUX	R	2518		
200004 AZ	PJWCX	PYC2N	R	12		
200004 AZ	PJWCX	PYC6N	R	1		
200004 AZ	PJWCX	XFBXX	R	18		
200004 IA	PJWCX	PYC2N	R	45		
200004 IA	PJWCX	PYCDL	R	1		
200004 ID	PJWCX	8NA	R	1		
200004 ID	PJWCX	FFNJX	R	1		
200004 ND	PJWCX	PYC2N	R	11		
200004 NE	PJWCX	PYC2N	R	28		
200004 OR	PJWCX	1FMJX	R	64		
200004 OR	PJWCX	C21XX	R	8		
200004 OR	PJWCX	COPXX	R	8		
200004 OR	PJWCX	DQKXX	R	3		
200004 OR	PJWCX	FFN2X	R	51		
200004 OR	PJWCX	FFNDX	R	2		
200004 OR	PJWCX	FFNJX	R	641		
200004 OR	PJWCX	FFNUX	R	548		
200004 OR	PJWCX	PYC2N	R	63		
200004 OR	PJWCX	XBMXN	R	1		
200004 ST	PJWCX	PYC2N	R	20		
200004 SD 200004 UT	PJWCX	DQKXX	R	4		
200004 UT	PJWCX	FFN2X	R	144		
200004 UT	PJWCX	FFNJX	R	336		
200004 UT	PJWCX	PYC2N	R	20		
200004 UT	PJWCX	XBHXX	n R	25		
200004 UT	PJWCX	XFBXX	R	3		
200004 UT	PJWCX	C21XX		10		
200004 WA	PJWCX	FFN2X	R R			
200004 WA	PJWCX	FFNJX	R	33 171		
				171		
200004 WA	PJWCX	FFNUX	R	3		
200004 WA	PJWCX	PYC2N	R	368		
200004 WY	PJWCX	FFB1N	R	1	D IMOV	0774
200004 WY	PJWCX	PYC2N	R	4	PJWCX	6771
200004 AZ	PJWHX	125	R	10		
200004 AZ	PJWHX	1FMUX	R	429		
200004 AZ	PJWHX	8NA	R	22		
200004 AZ	PJWHX	C21XX	R	220		
200004 AZ	PJWHX	DQ6XX	R	16		
200004 AZ	PJWHX	DQKXX	R	1408		
200004 AZ	PJWHX	DQVXX	R	5		
200004 AZ	PJWHX	EZB2X	R	623		
200004 AZ	PJWHX	FFN2X	R	268		
200004 AZ	PJWHX	FFNJX	R	273		
200004 AZ	PJWHX	FFNUX	R	2636		
200004 AZ	PJWHX	PYC2N	R	454		
200004 AZ	PJWHX	PYC6N	R	19		
200004 AZ	PJWHX	XBHXX	R	12		

200004 AZ	PJWHX	XFBXX	R	3902
200004 AZ	PJWHX	XLBXX	R	14
200004 AZ	PJWHX	XMBXX	R	14
200004 IA	PJWHX	PYC2N	R	303
200004 ID	PJWHX	C21XX	R	2
200004 ID	PJWHX	DQ6XX	R	7
200004 ID	PJWHX	DQKXX	R	28
200004 ID	PJWHX	FFN2X	R	5
200004 ID	PJWHX	FFNJX	R	1
200004 ID	PJWHX	GFFSC	R	1
200004 ID	PJWHX	PYC2N	R	11
200004 ID	PJWHX	XBHXX	R	115
200004 ID	PJWHX	XFBXX	R	17
200004 MH	PJWHX	COPXX	R	13
200004 MT	PJWHX	C21XX	R	10
200004 MT	PJWHX	DQKXX	R	4
200004 MT	PJWHX	PYC2N	R	61
200004 MT	PJWHX	XBHXX	R	7
200004 MT	PJWHX	XFBXX	R	20
200004 MT	PJWHX	XMHXX	R	1
200004 ND	PJWHX	PYC2N	R	581
200004 NE	PJWHX	PYC2N	R	810
200004 OR	PJWHX	1FL	R	30
200004 OR	PJWHX	1FMJX	R	68
200004 OR	PJWHX	8NA	R	23
200004 OR	PJWHX	C21XX	R	229
200004 OR	PJWHX	COPXX	R	4678
200004 OR	PJWHX	COQXX	R	2
200004 OR	PJWHX	DQKXX	R	1672
200004 OR	PJWHX	EF9	R	4
200004 OR	PJWHX	FFN2X	R	163
200004 OR	PJWHX	FFNDX	R	103
200004 OR	PJWHX	FFNJX	R	721
200004 OR	PJWHX	FFNUX	R	704
200004 OR	PJWHX	GRP	R	1
200004 OR	PJWHX	JBG	R	24
200004 OR	PJWHX	JBH	R	2
200004 OR	PJWHX	LMB	R	3
200004 OR	PJWHX	PYC2N	R	492
200004 OR	PJWHX	PYC3N	R	2
200004 OR	PJWHX	XZV29	R	3
200004 SD	PJWHX	PYC2N	R	1431
200004 SD	PJWHX	XFBXX	R	1
200004 SD	PJWHX	XZV29	R	9
200004 UT	PJWHX	C21XX	R	30
200004 UT	PJWHX	DQ6XX	R	136
200004 UT	PJWHX	DQKXX	R	280
200004 UT	PJWHX	FFB1E	R	6
200004 UT	PJWHX	FFB1G	R	6
200004 UT	PJWHX	FFB6E	R	3
200004 UT	PJWHX	FFBH8	R	5
200004 UT	PJWHX	FFBHU	R	2
200004 UT	PJWHX	FFBVF		4
200004 U I	LJVVIX		R	4

		TOTAL		111710		
200004 WY	PJWHX	XFHXX	R	9	PJWHX	33790
200004 WY	PJWHX	XFBXX	R	50		
200004 WY	PJWHX	XBHXX	R	32		
200004 WY	PJWHX	PYC2N	R	45		
200004 WY	PJWHX	FFBWX	R	13		
200004 WY	PJWHX	FFBVF	R	2		
200004 WY	PJWHX	FFB1O	R	1		
200004 WY	PJWHX	FFB1J	R	7		
200004 WY	PJWHX	DQKXX	R	25		
200004 WY	PJWHX	DQ6XX	R	46		
200004 WY	PJWHX	C21XX	R	11		
200004 WY	PJWHX	8NA	R	40		
200004 WA	PJWHX	XZV29	R	1		
200004 WA	PJWHX	XLAYX	R	2		
200004 WA	PJWHX	SFO	R	11		
200004 WA	PJWHX	PYC2N	R	1331		
200004 WA	PJWHX	LMB	R	9		
200004 WA	PJWHX	JBV	R	1		
200004 WA	PJWHX	JBM	R	2		
200004 WA	PJWHX	JBG	R	81		
200004 WA	PJWHX	HFB	R	2		
200004 WA	PJWHX	FXRXX	R	17		
200004 WA	PJWHX	FNX	R	2		
200004 WA	PJWHX	FFNUX	R	83		
200004 WA	PJWHX	FFNJX	R	182		
200004 WA	PJWHX	FFNDX	R	2		
200004 WA	PJWHX	FFN2X	R	86		
200004 WA	PJWHX	DQKXX	R	1332		
200004 WA	PJWHX	CYR2X	R	5		
200004 WA	PJWHX	COQXX	R	9		
200004 WA	PJWHX	COPXX	R	4863		
200004 WA	PJWHX	C21XX	R	373		
200004 WA	PJWHX	8NA	R	12		
200004 UT	PJWHX	XFMXX	R	52		
200004 UT	PJWHX	XFHXX	R	3		
200004 UT	PJWHX	XFFXX	R	1		
200004 UT	PJWHX	XFBXX	R	297		
200004 UT	PJWHX	XBHXX	R	1284		
200004 UT	PJWHX	PYC2N	R	123		
200004 UT	PJWHX	KFTXX	R	18		
200004 UT	PJWHX	GFFJE	R	6		
200004 UT	PJWHX	FFNJX	R	18		
200004 UT	PJWHX	FFN2X	R	142		
	m 11	post (mark )	_			

TOTAL 111710

DLC %	0.3998	
Loop demulti	plexing in	<u>vestments</u>
State		<b>~</b>
r all Unbundle	ed Loops	2-WIRE
Investment	DLC %	Wtd Inves
\$146.90	0.3545	\$52.08
<u>\$576.25</u>	<u>0.0453</u>	<u>\$26.09</u>
	0.3998	\$78.17
<u>ence</u>		
Investment	WCG%	Wtd Inves
\$146.90	0.8867	\$130.27
<u>\$576.25</u>	0.1133	<u>\$65.26</u>
	1.0000	\$195.53
r all Unbundl	ed T.oons	4-WIRE
principal garage Line Company (Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Co	ACCURATE A SECURE ASSESSMENT	Wtd Inves
( <del> </del>	10.00 to keep 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 to 10.00 t	\$120.18
		\$62.95
	0.3998	\$183.14
	Loop demulti  State  r all Unbundle Investment \$146.90 \$576.25  ence Investment \$146.90 \$576.25	State   State   Tall Unbundled Loops

This is from the Loop MOD 2 group.



## **EXECUTIVE SUMMARY**

## SOUTH DAKOTA HICAP UNBUNDLED NETWORK ELEMENTS

RECURRING COST STUDY 6430

COMMISSION PRESCRIBED LIVES AND 10.14% COM

**MAY 2002** 

## UNBUNDLED NETWORK ELEMENTS

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#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate Qwest's - 2002 total element long-run incremental costs that would be incurred to provide Unbundled Network Elements to a Co-Provider.

This study develops state wide average Total Element Long Run Incremental Costs (TELRIC). Costs are specific to the state of South Dakota and are stated on a per unit basis, unless specified otherwise. Cost results are based on Commission Prescribed 10.14% Cost of Money (COM).

#### B. DESCRIPTION OF SERVICE

A Unbundled Network Element (UNE) is a portion of Qwest's network sold to an Interconnector or Certified Local Exchange Carrier (CLEC) for use in building services for their customers. The Interconnector normally would connect to these UNEs in a Qwest wire center. The Interconnector may combine these UNEs together and/or with their own facilities or equipment for this purpose.

The Interconnector has design responsibility to insure that these elements will properly work with each other and with their facilities and equipment to meet their customer's service needs.

Several types of UNEs are available from Qwest. The following UNEs are addressed in this study:

- DS1 & DS3 Capable Loops Statewide average and Zones
- DS1 Capable Feeder Loop Statewide average and Zones

#### **DS1** Capable Loop:

A DS1 Capable Loop is a digital transmission path that transports bi-directional DS1 signals with a nominal transmission rate of 1.544 Mbps. The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77384 for additional information. The investments in the DS1 Capable Loops are calculated on a statewide average basis and on a MSA (Metropolitan Statistical Area) de-averaged basis.

#### **DS1** Capable Feeder Loop:

A DS1 Capable Feeder Loop is a digital transmission path that transports bi-directional DS1 signals with a nominal transmission rate of 1.544 Mbps. The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the Field Connection Point (FCP). DS1 Capable Loops will typically have one of the following configurations:

- Metallic-based span with High-Bit-Rate Digital Subscriber Line (HDSL) or T1 carrier equipment.
- Channel of a fiber-based system.
- Combination of both fiber and metallic-based facilities.

The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77405 for additional information. The investments in the DS1 Capable Feeder Loops are calculated on a statewide average basis

#### DS3 Capable Loop:

A DS3 Capable Loop is a digital transmission path that transports bi-directional DS3 signals with a nominal transmission rate of 44.736 Mbps The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. DS3 Capable Loops will be configured as a channel on a fiber-based system. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77384 for additional information. The investments in the DS3 Capable Loops are calculated on a statewide average basis and on a MSA (Metropolitan Statistical Area) de-averaged basis.

#### C. STUDY METHODOLOGY

**DS1 / DS3 Capable Loop and DS1 Capable Feeder Loop** – Loop investments are calculated using a Microsoft Excel® spreadsheet based model called the NAC (Network Access Channel) model. The NAC model estimates the installed investment associated with circuits between a SWC and an End User's NI.

The TELRIC Windows Personal Computer Cost Calculator (WINPC3) was used to convert installed investments to TELRIC by applying appropriate investment and expense factors to the installed investment.

#### D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are not embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

### E. STUDY ASSUMPTIONS

- a. Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by QWEST today.
- b. All network investments are forward-looking.
- c. All costs displayed are a 2002 level.
- d. Cost results are based on Commission Prescribed Lives and 10.14% Cost of Money (COM).

Study Name	South Dakota HICAP UNBUNDI	ED NETWORK ELEMENTS (UNE)
Study Requester	Robyn Libadia	
Type of Study	TELRIC	
Study ID	6430	100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A
Cost Factor Group	Interconnection	
***		
Study Applications		
Study Applications		
Completion Date	May 29, 2002	<del>-</del>
Cost Analyst	David Workman	
Study Review	Reviewer	Date
		May 29, 2002
Models Used	Model	Version
	NAC Model	SDDS30502v2.1ZONES
	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02V1
G (F ( II )		Fice 4. D.4
Cost Factors Used	Factor	Effective Date
	Capital Recovery Maintenance	04/02
		02/02 02/02
	Ad Valorem	
	COE Land & Bldg	02/02 04/02
	Marketing Factors	
	Billing & Collection (PL)	01/01
	Other Direct Expenses	04/02
	Common	04/02
	10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A	
		and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
	-	
	Cost Of Money	10.14%
Inflation		
Lillandii		

Parameter File: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\High Cap 6430\SD HICAP UNE Workpapers #6430.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 2 Costs Format: Monthly Group Totals: Yes

ACF Input: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\High Cap 6430\SD HICAP UNE Workpapers #6430.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\High Cap 6430\SD HICAP UNE Workpapers #6430.xls, Sheet "WINPC3 ACF Outputs"

Investment: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\High Cap 6430\SD HICAP UNE Workpapers #6430.xls, Sheet "WINPC3 Investments"

Output: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\High Cap 6430\SD HICAP UNE Workpapers #6430.xls, Sheet "WINPC3 Output"

State: South Dakota

Description	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC +
DS1 Capable Loop Statewide	\$6,942.96	\$0.00	\$114.63	\$5.68	\$31.17	\$145.80	\$10.39	\$156.19
DS1 Capable Loop Zone 1	\$6,881.97	\$0.00	\$113.29	\$5.61	\$30.81	\$144.10	\$10.27	\$154.37
DS1 Capable Loop Zone 2	\$6,916.66	\$0.00	\$113.87	\$5.64	\$30.96	\$144.83	\$10.32	\$155.15
DS1 Capable Loop Zone 3	\$6,997.87	\$0.00	\$115.92	\$5.74	\$31.52	\$147.44	\$10.51	\$157.96
DS1 Capable Feeder Loop Statewide	\$5,037.10	\$0.00	\$80.53	\$3.99	\$21.90	\$102.43	\$7.30	\$109.74
DS1 Capable Feeder Loop Zone 1	\$4,976.11	\$0.00	\$79.20	\$3.92	\$21.54	\$100.73	\$7.18	\$107.91
DS1 Capable Feeder Loop Zone 2	\$5,010.80	\$0.00	\$79.77	\$3.95	\$21.69	\$101.46	\$7.23	\$108.69
DS1 Capable Feeder Loop Zone 3	\$5,092.01	\$0.00	\$81.83	\$4.05	\$22.25	\$104.08	\$7.42	\$111.50
DS3 Capable Loop Statewide	\$43,536.71	\$0.00	\$684.08	\$33.89	\$186.02	\$870.10	\$62.03	\$932.13
DS3 Capable Loop Zone 1	\$36,981.08	\$0.00	\$584.17	\$28.94	\$158.85	\$743.02	\$52.97	\$795.99
DS3 Capable Loop Zone 2	\$38,738.08	\$0.00	\$610.32	\$30.23	\$165.97	\$776.29	\$55.34	\$831.62
DS3 Capable Loop Zone 3	\$50,337.51	\$0.00	\$787.98	\$39.03	\$214.28	\$1,002.25	\$71.45	\$1,073.70

Carno								
5/29/∪∠ <b>4</b> :25 PM	Source or	Factor	DS1 Capable	DS1 Capable	DS1 Capable	DS1 Capable	DS1 Capable Feeder Loop	DS1 Capable Feeder Loop
Row South Dakota	Calculation	Value	Loop Statewide	Loop Zone 1	Loop Zone 2	Loop Zone 3	Statewide	Zone 1
Row South Dakota	Calculation		B B	C	D	E	F	G
	-1 -0T-4-01 -FS	A	6,942.96	6,881.97	6,916.66	6,997.87	5,037.10	4,976.11
1 Investment	si r"Total" cD		0,942,90	0,001,97	0,310,00	0,997.67	J <sub>1</sub> 037.10	4,370,11
2 3 Investment Based Costs	si r"Totai" cK		110.45	109.16	109.72	111.70	77.60	76.31
	SII IUIAI CK		110,40	103.10	100.72	117.70	77.00	70.01
4 5 Direct Expenses			0.00	0.00	0.00	0.00	0.00	0.00
6 Miscellaneous Expenses			0.00	0.00	0.00	0.00	0.00	0.00
7 Billing & Collection - PL	cA*(r8-r6)	0.004304	0.48	0.47	0.47	0.48	0.33	0.33
8 Total Investment Based + Billing & Collection	0/1 (10 10)	0.00 100 1	110.93	109.63	110.19	112.18	77.93	76.64
9			110.00	, 22.22			,,,,,	
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	2.21	2.19	2.20	2.24	1.56	1.53
12 Sales Expense	cA*(r8-r6)	0.011877	1.32	1.30	1.31	1.33	0.93	0.91
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.00
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.17	0.17	0.17	0.17	0.12	0.12
15 Marketing & Business Fees Total	Sum r11:r14		3.70	3.66	3.68	3.74	2.60	2.56
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		114.63	113.29	113.87	115.92	80.53	79.20
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	3.99	3.95	3.97	4.04	2.81	2.76
21 Network Support Assets	cA*(r17-r6)	0.014703	1.69	1.67	1.67	1.70	1.18	1.16
22 General Support Assets	cA*(r17-r6)	0.088742	10.17	10.05	10.10	10.29	7.15	7.03
23 General Purpose Computers	cA*(r17-r6)	0.043342	4.97	4.91	4.94	5.02	3.49	3.43
24 Uncollectible	cA*(r17-r6)	0.003786	0.43	0.43	0.43	0.44	0.30	0.30
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.84	0.83	0.84	0.85	0.59	0.58
26 Human Resources Expense	cA*(r17-r6)	0.008294	0.95	0.94	0.94	0.96	0.67	0.66
27 Information Management Expense	cA*(r17-r6)	0.070887	8.13	8.03	8.07	8.22	5.71	5.61
28 Intangibles	cA*(r17-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.00
29 Total Other Direct Expenses	Sum r20:r28		31.17	30.81	30.96	31.52	21.90	21.54
30							100.10	100
31 TELRIC	r17 + r29		145.80	144.10	144.83	147.44	102.43	100.73
32					•			
33 Common	4+( 0+ 0)	0.01155=		4.00	4.00	4.00	4 4	1 10
34 Executive Expense	cA*(r31-r6)	0.011267	1.64	1.62	1.63	1.66	1.15	1.13 0.05
35 Planning Expense	cA*(r31-r6)	0.000525	0.08	0.08 5.45	0.08 5.48	0.08 5.58	0.05 3.88	3.81
36 External Relations Expense	cA*(r31-r6)	0.037846	5.52 0.69	5.45 0.68	5.48 0.68	0.70	0.48	0.48
37 Legal Expense	cA*(r31-r6)	0.004717	0.69	0.88	0.88	0.70	0.46	0.46 0.19
38 Other Procurement Expense	cA*(r31-r6)	0.001860	0.27	0.00	0.27	0.27	0.00	0.19
39 Research & Development Expense	cA*(r31-r6)	0.000006 0.015064	2.20	2.17	2.18	2.22	1.54	1.52
40 Other General and Admin Expense	cA*(r31-r6) <b>Sum r34:r40</b>	0.015064	10.39	10.27	10.32	10.51	7.30	7.18
41 Common Costs	Juni 134:140		10.35	10.27	10.32	10.51	7.30	7.10
42	r31 + r41		156.19	154.37	155.15	157.96	109.74	107.91
43 TELRIC + Common Costs	131 7 141		100.18	104.07	100.10	107.50	100.74	107.31

	5/29/0∠ +:25 PM								
Row	South Dakota	Source or Calculation	Factor Value	DS1 Capable Feeder Loop Zone 2	DS1 Capable Feeder Loop Zone 3	DS3 Capable Loop Statewide	DS3 Capable Loop Zone 1	DS3 Capable Loop Zone 2	DS3 Capable Loop Zone 3
			А	Н	1	Jan Jan	ĸ	L	M
	1 Investment	si r"Total" cD		5,010.80	5,092.01	43,536.71	36,981.08	38,738.08	50,337.51
	2					*			
	3 Investment Based Costs	si r"Total" cK		76.86	78.84	659.15	562.88	588.08	759.27
	4								
	5 Direct Expenses			0.00	0.00	0.00	0.00	0.00	0.00
	6 Miscellaneous Expenses			0.00	0.00	0.00	0.00	0.00	0.00
	7 Billing & Collection - PL	cA*(r8-r6)	0.004304	0.33	0.34	2.84	2.42	2.53	3.27
	8 Total Investment Based + Billing & Collection			77.19	79.18	661.99	565.31	590.61	762.53
	9								
1	0 Marketing & Business Fees								
1	1 Product Management Expense	cA*(r8-r6)	0.019957	1.54	1.58	13.21	11.28	11.79	15.22
1	2 Sales Expense	cA*(r8-r6)	0.011877	0.92	0.94	7.86	6.71	7.01	9.06
	3 Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.00
1	4 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.12	0.12	1.01	0.87	0.90	1.17
1	5 Marketing & Business Fees Total	Sum r11:r14		2.58	2.64	22.09	18.86	19.71	25.44
	6								
	7 Sub-Total Invst., B & C, Mktg	r8 + r15		79.77	81.83	684.08	584.17	610.32	787.98
1									
	9 Other Direct Expenses								
	0 Network Operations	cA*(r17-r6)	0.034832	2.78	2.85	23.83	20.35	21.26	27.45
	1 Network Support Assets	cA*(r17-r6)	0.014703	1.17	1.20	10.06	8.59	8.97	11.59
	2 General Support Assets	cA*(r17-r6)	0.088742	7.08	7.26	60.71	51.84	54.16	69.93
	3 General Purpose Computers	cA*(r17-r6)	0.043342	3.46	3.55	29.65	25.32	26.45	34.15
	4 Uncollectible	cA*(r17-r6)	0.003786	0.30	0.31	2.59	2.21	2.31	2.98
	5 Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.59	0.60	5.03	4.29	4.48	5.79
	6 Human Resources Expense	cA*(r17-r6)	0.008294	0.66	0.68	5.67	4.84	5.06	6.54
	7 Information Management Expense	cA*(r17-r6)	0.070887	5.65	5.80	48.49	41.41	43.26	55.86
	28 Intangibles	cA*(r17-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.00
	9 Total Other Direct Expenses	Sum r20:r28		21.69	22.25	186.02	158.85	165.97	214.28
	90 B1 <b>TELRIC</b>	r17 + r29		101.46	104.08	870.10	743.02	776.29	1,002.25
		117 + 129		101.40	104.00	070.10	740.02	110.23	1,002.23
	32 Common								
	33 <i>Common</i> 34 Executive Expense	cA*(r31-r6)	0.011267	1.14	1.17	9.80	8.37	8.75	11.29
	•	cA*(r31-r6)	0.000525	0.05	0.05	0.46	0.39	0.41	0.53
	35 Planning Expense 36 External Relations Expense	cA*(r31-r6)	0.000323	3.84	3.94	32.93	28.12	29.38	37.93
	37 Legal Expense	cA*(r31-r6)	0.007040	0.48	0.49	4.10	3.51	3.66	4.73
	37 Legal Expense 38 Other Procurement Expense	cA*(r31-r6)	0.004717	0.19	0.19	1.62	1.38	1.44	1.86
	39 Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00	0.01	0.00	0.00	0.01
	40 Other General and Admin Expense	cA*(r31-r6)	0.000000	1.53	1.57	13.11	11.19	11.69	15.10
	•	Sum r34:r40	0.010004	7.23	7.42	62.03	52.97	55.34	71.45
	41 Common Costs 42	Juni 107.170		7.20	1.72	UZ.00	UE.37	55.54	71.40
	42 43 TELRIC + Common Costs	r31 + r41		108.69	111.50	932.13	795,99	831.62	1,073.70

5/29/02										
South Dak	ota		South Da	kota HICAP L	INBUNDLED N	ETWORK ELE	MENTS (UNE	)		
oodiii Dai	<b></b>									Total Capital
<u>Acct</u>	FRC	Account Name	Investment	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
DS1 Cap	able Lo	pop Statewide								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.86
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.45
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.0
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.3
2232.2	257CSP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2411	1C	Poles	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.8
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.2
2441	4C	Conduit System	321.25	0.57	1.73	0.65	0.26	0.19	0.00	3.4
2422.11,.21	5C	Underground Cable - Metallic	163.60	1.24	0.77	0.29	0.13	0.42	0.00	2.8
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.9
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.9
2423.11,.21	45C	Buried Cable - Metallic	1,563.39	7.93	7.43	2.81	1.24	6.86	0.00	26.2
2421.11,.21		Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.4
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.6
2422.12,.22		Underground Cable - NonMetallic	132.11	0.78	0.62	0.24	0.11	0.21	0.00	1.9
2423.12,.22		Buried Cable - NonMetallic	102.25	0.52	0.49	0.18	0.08	0.20	0.00	1.4
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2111	20C	Land	11.17	0.00	0.09	0.03	0.01	0.01	5.55	0.14
2121	110C	Building	597.98	1.29	3.73	1.41	0.48	0.64		7.54
2121	1100	Total	6,942.96	48.40	30.53	11.55	5.52	14.46	0.00	110.4
		iola	0,542.30	70.70	00.00	11.00		1-11-10		110.11
DS1 Can	able Lo	oop Zone 1								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.80
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.4
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.0
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.3
2232.2		Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2411	1C	Poles	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.8
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.2
2441	4C	Conduit System	415.98	0.74	2.24	0.85	0.33	0.25	0.00	4.4
2422.11,.21		Underground Cable - Metallic	209.61	1.59	0.98	0.37	0.17	0.53	0.00	3.6
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.9
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.9
2423.11,.21		Buried Cable - Metallic	1,495.52	7.59		2.69	1.19	6.56	0.00	25.1
2423.11,.21		Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1,4
2421.11,.21	62C	Intrabuilding Network Cable - Metallic	38.24	0.20		0.07	0.03	0.11	0.00	0.6
		Underground Cable - NonMetallic	53.84	0.32		0.10	0.04	0.08	0.00	0.7
2422.12,.22		Buried Cable - NonMetallic	46.66	0.32		0.08	0.04	0.09	0.00	0.6
2423.12,.22			0.00	0.24		0.00	0.00	0.00	0.00	0.0
2426.2	862C	Intrabuilding Network Cable - NonMetallic		0.00		0.03	0.00	0.00	0.00	0.14
2111	20C	Land	11.17	1.29		1.41	0.48	0.64		7.54
2121	110C	Building	597.98	1.29	3./3	1.41	0.46	0.04		7.54

5/29/02 South Dal	ota		South Da	kota HICAP U	INBUNDLED N	ETWORK ELE	EMENTS (UNE	)		T-1-1 0-1-1-1
	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
<u>Acct</u>		Total	6,881.97	47.83	30.30	11.46	5.47	14.10	0.00	109.16
OS1 Cap	able Lo	op Zone 2								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5,21	2.16	0.82	0.45	1.21	0.00	9.86
2232.3 2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.45
2232.2		Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.08
232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.39
232.2		Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
232.2 2411	1C	Poles	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.80
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.26
243 I 2441	3C 4C	Conduit System	408.64	0.73	2.20	0.83	0.33	0.25	0.00	4.33
:44 1 :422.11,.21	5C	Underground Cable - Metallic	205.53	1.56	0.96	0.36	0.16	0.52	0.00	3.5
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.9
423.11 2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.9
423.11,.21		Buried Cable - Metallic	1,508.92	7.66	7.17	2.71	1.20	6.62	0.00	25.3
423.11,.21		Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.4
421.11,.21 426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.6
422.12,.22		Underground Cable - NonMetallic	72.76	0.43	0.34	0.13	0.06	0.11	0.00	1.0
.422.12,.22 .423.12,.22		Buried Cable - NonMetallic	60.46	0.31	0.29	0.11	0.05	0.12	0.00	0.8
2423. 12,.22 2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2420.2 2111	20C	Land	11.17	0.00	0.09	0.03	0.01	0.01	0.00	0.1
2121	110C	Building	597.98	1.29	3.73	1.41	0.48	0.64		7.5
2121	1100	Total	6,916.66	48.03	30.46	11.52	5.50	14.20	0.00	109.7
			0,510.00	70.00	Julia		0.00	1-1,20		100
DS1 Cap	able Lo	oop Zone 3								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.86
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.48
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.0
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.3
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2411	1C	Poles	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.8
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.2
2441	4C	Conduit System	214.43	0.38	1.15	0.44	0.17	0.13	0.00	2.2
2422.11,.21	5C	Underground Cable - Metallic	111.84	0.85	0.52	0.20	0.09	0.29	0.00	1.9
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.9
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.9
2423.11,.21	45C	Buried Cable - Metallic	1,636.74	8.31	7.78	2.94	1.30	7.18	0.00	27.5
2421.11,.21	52C	Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.4
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.6
2422.12,.22	85C	Underground Cable - NonMetallic	214.14	1.26	1.01	0.38	0.17	0.34	0.00	3.1
2422.12,.22	845C	Buried Cable - NonMetallic	160.36	0.81	0.76	0.29	0.13	0.31	0.00	2.3
							0.00	0.00		
2423.12,.22 2423.12,.22 2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2423.12,.22		Intrabuilding Network Cable - NonMetallic Land	0.00 11.17 597.98	0.00 0.00 1.29	0.00 0.09 3.73	0.00 0.03 1.41	0.00 0.01 0.48	0.00 0.01 0.64	0.00	0.0 0.1 7.5

5/29/02					 Nazarona					
South Dak	rota		South Da	kota HICAP L	INBUNDLED N	ETWORK ELE	EMENTS (UNE	)		
										Total Capital
<u>Acct</u>	FRC	Account Name	Investment	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
		Total	6,997.87	48.96	30.72	11,62	5.57	14.82	0.00	111.70
DS1 Cap	able Fe	eeder Loop Statewide								
		On the state of the Birth I France	F70.0F	F 04	0.40		0.45			
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.86
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.45
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.08
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.39
2232.2		Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2411	1C	Poles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2431	3C	Aerial Wire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2441	4C	Conduit System	321.25	0.57	1.73	0.65	0.26	0.19	0.00	3.41
2422.11,.21	5C	Underground Cable - Metallic	151.44	1.15	0.71	0.27	0.12	0.39	0.00	2.63
2423.11	35C	Buried Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2421.11	42C	Aerial Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2423.11,.21	45C	Buried Cable - Metallic	99.71	0.51	0.47	0.18	0.08	0.44	0.00	1.68
2421.11,.21	52C	Aerial Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2426.1	62C	Intrabuilding Network Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2422.12,.22	85C	Underground Cable - NonMetallic	132.11	0.78	0.62	0.24	0.11	0.21	0.00	1.95
2423.12,.22	845C	Buried Cable - NonMetallic	102.25	0.52	0.49	0.18	0.08	0.20	0.00	1.47
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2111	20C	Land	11.17	0.00	0.09	0.03	0.01	0.01		0.14
2121	110C	Building	597.98	1.29	3.73	1.41	0.48	0.64		7.54
		Total	5,037.10	37.92	21.56	8.15	4.01	5.96	0.00	77.60
2010		–								
DS1 Cap	able Fe	eeder Loop Zone 1								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.86
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3.17	1.76	1.94	0.00	35.45
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.08
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.39
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2411	1C	Poles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2431	3C	Aerial Wire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2441	4C	Conduit System	415.98	0.74	2.24	0.85	0.33	0.25	0.00	4.41
2422.11,.21	5C	Underground Cable - Metallic	197.45	1.50	0.92	0.35	0.16	0.50	0.00	3.43
2423.11	35C	Buried Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2421.11	42C	Aerial Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2423.11,.21		Buried Cable - Metallic	31.84	0.16	0.15	0.06	0.03	0.14	0.00	0.54
2421.11,.21		Aerial Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2426.1	62C	Intrabuilding Network Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2422.12,.22		Underground Cable - NonMetallic	53.84	0.32	0.25	0.10	0.04	0.08	0.00	0.79
2423.12,.22		Buried Cable - NonMetallic	46.66	0.24	0.22	0.08	0.04	0.08	0.00	0.79
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2111	20C	Land	11.17	0.00	0.09	0.03	0.00	0.00	0.00	0.00
ſ			597.98	1.29	3.73					
2121	110C	Building	397.98	1.29	3.73	1.41	0.48	0.64		7.54

5/29/02	335 (F) (6									
South Dak	ota		South Da	kota HICAP U	INBUNDLED N	ETWORK ELE	EMENTS (UNE	)		T-1 10-11-1
Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	4,976.11	37.35	21.33	8,07	3.96	5.61	0.00	76.3°
DS1 Cap	able Fe	eder Loop Zone 2							<del></del>	
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.86
2232.2	257C	Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3,17	1.76	1.94	0.00	35.4
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0.90	0.50	0.55	0.00	10.0
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	211.65	1.94	0.80	0.30	0.17	0.19	0.00	3.3
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2411	1C	Poles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2431	3C	Aerial Wire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2441	4C	Conduit System	408.64	0.73	2.20	0.83	0.33	0.25	0.00	4.3
	5C	Underground Cable - Metallic	193.36	1.47	0.91	0.34	0.15	0.49	0.00	3.3
2423.11	35C	Buried Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2421.11	42C	Aerial Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	45C	Buried Cable - Metallic	45.24	0.23	0.22	0.08	0.04	0.20	0.00	0.7
	52C	Aerial Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2426.1	62C	Intrabuilding Network Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	85C	Underground Cable - NonMetallic	72.76	0.43	0.34	0.13	0.06	0.11	0.00	1.0
2423.12,.22		Buried Cable - NonMetallic	60.46	0.31	0.29	0.10	0.05	0.12	0.00	0.8
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2420.2 2111	20C	Land	11,17	0.00	0.09	0.03	0.00		0.00	
								0.01		0.1
2121	110C	Building	597.98 <b>5.010.80</b>	1.29 <b>37.56</b>	3.73 <b>21.49</b>	1.41	0.48	0.64		7.5
		Total	3,010.60	37.30	21.49	8,13	3.99	5.71	0.00	76.8
DS1 Cap	able Fe	eeder Loop Zone 3								
2232.3	357C	Circuit Equipment - Other Digital Equipment	570.25	5.21	2.16	0.82	0.45	1.21	0.00	9.8
2232.3	257C	Circuit Equipment - Other Digital Equipment  Circuit Equipment - Pair Gain - Digital	2,210.49	20.21	8.37	3,17	1,76	1.94	0.00	9.60 35.4
2232.2	257CP	Pair Gain - Digital (Customer Premise)	628.81	5.75	2.38	0,90	0.50	0.55		
		,	211.65	1.94					0.00	10.0
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)			0.80	0.30	0.17	0.19	0.00	3.3
2232.2		Subscriber Pair Gain (SONET - Customer Prer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2411	1C	Poles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2431	3C	Aerial Wire	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2441	4C	Conduit System	214.43	0.38	1.15	0.44	0.17	0.13	0.00	2.2
2422.11,.21	5C	Underground Cable - Metallic	99.68	0.76	0.47	0.18	0.08	0.25	0.00	1.7
2423.11	35C	Buried Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2421.11	42C	Aerial Cable - Drop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	45C	Buried Cable - Metallic	173.06	0.88	0.82	0.31	0.14	0.76	0.00	2.9
	52C	Aerial Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2426.1	62C	Intrabuilding Network Cable - Metallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2422.12,.22	85C	Underground Cable - NonMetallic	214.14	1.26	1.01	0.38	0.17	0.34	0.00	3.1
2423.12,.22	845C	Buried Cable - NonMetallic	160.36	0.81	0.76	0.29	0.13	0.31	0.00	2.3
2426.2	862C	Intrabuilding Network Cable - NonMetallic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2111	20C	Land	11.17	0.00	0.09	0.03	0.01	0.01		0.1
			E07.00	1.29	3.73	1.41				
2121	110C	Building	597.98	1.29	3./3	1.41	0.48	0.64		7.5

5/29/02 South Dak	ota		South Da	kota HICAP U	INBUNDLED N	ETWORK ELE	EMENTS (UNE	•)		
<u>Acct</u>	<u>FRC</u>	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
DS3 Capa	able Lo	op Statewide								
2232.3	357C	Circuit Equipment - Other Digital Equipment	1,800.47	16.46	6.82	2.58	1.43	3.82	0.00	31.12
2232.2		Circuit Equipment - Pair Gain - Digital	334.72	3.06	1.27	0.48	0.27	0,29	0.00	5.37
2232.2		Pair Gain - Digital (Customer Premise)	170.90	1.56	0.65	0.24	0.14	0.15	0.00	2.74
2232.2		Subscriber Pair Gain Equipment (SONET)	6,991.31	63.92	26.48	10.01	5.56	6.13	0.00	112.12
2232.2		Subscriber Pair Gain (SONET - Customer Prer	17,083.64	156.20	64.71	24.47	13.59	14.99	0.00	273.96
2441		Conduit System	2,562.38	4.58	13.79	5.22	2.04	1.55	0.00	27.17
		Underground Cable - NonMetailic	1,292.69	7.62	6.09	2.30	1.03	2.04	0.00	19.08
•		Buried Cable - NonMetallic	11,389.49	57.80	54.16	20.48	9.06	21.90	0.00	163.40
2426.2		Intrabuilding Network Cable - NonMetallic	53.28	0.28	0.26	0.10	0.04	0.08	0.00	0.76
2111		Land	34.06	0.00	0.27	0.10	0.03	0.04		0.44
2121		Building	1,823.77	3.92	11.38	4.30	1.45	1.94		23.00
<u>~ (                                   </u>		Total	43,536.71	315.41	185.88	70.29	34.63	52.93	0.00	659.1
DS3 Cap	able Lo	op Zone 1								
2000	0570	Circuit Facines at Other Digital Facines at	1 800 47	16.46	6.82	2.58	1.43	3.82	0.00	31.12
2232.3		Circuit Equipment - Other Digital Equipment	1,800.47			0.48	0.27	0.29	0.00	5.37
2232.2		Circuit Equipment - Pair Gain - Digital	334.72 170.90	3.06 1.56	1.27 0.65	0.46	0.27	0.29	0.00	2.74
2232.2		Pair Gain - Digital (Customer Premise)			26.48	10.01	5.56	6.13	0.00	2.74 112.11
2232.2		Subscriber Pair Gain Equipment (SONET)	6,991.31	63.92	64.71	24.47	13.59	14.99	0.00	273.9
2232.2		Subscriber Pair Gain (SONET - Customer Prer	17,083.64	156.20 5.69	17.16	6.49	2.54	1.92	0.00	33.80
2441	4C	Conduit System	3,186.84 1,580.57	9.32	7.45	2.82	1.26	2.49	0.00	23.3
	85C	Underground Cable - NonMetallic	3,921.51	19.90	18.65	7.05	3.12	7.54	0.00	56.20
	845C	Buried Cable - NonMetallic	53.28	0.28	0.26	0.10	0.04	0.08	0.00	0.70
2426.2		Intrabuilding Network Cable - NonMetallic	34.06	0.00	0.27	0.10	0.03	0.04	0.00	0.44
2111		Land	1,823.77	3.92	11.38	4.30	1.45	1.94		23.0
2121		Building Total	36,981.08	280.32	155.09	58.65	29.42	39.40	0.00	562.8
			30,301.00	200.32	133.09	30.03	25.42	35.40	0.00	302.01
DS3 Cap	able Lo	oop Zone 2								
2232.3	357C	Circuit Equipment - Other Digital Equipment	1,800.47	16,46	6.82	2.58	1.43	3.82	0.00	31.12
2232.2	257C	Circuit Equipment - Pair Gain - Digital	334.72	3.06	1.27	0.48	0.27	0.29	0.00	5.3
2232.2	257CP	Pair Gain - Digital (Customer Premise)	170.90	1.56	0.65	0.24	0.14	0.15	0.00	2.74
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	6,991.31	63.92	26.48	10.01	5.56	6.13	0.00	112.1
2232.2			17,083.64	156.20	64.71	24.47	13.59	14.99	0.00	273.9
2441	4C	Conduit System	3,189.15	5.70	17.17	6.49	2.54	1.92	0.00	33.8
2422.12,.22		Underground Cable - NonMetallic	1,581.63	9.32	7.45	2.82	1.26	2.49	0.00	23.3
	<u> </u>		5,675.15	28.80	26.99	10.20	4.51	10.91	0.00	81.4
2426.2	862C	Intrabuilding Network Cable - NonMetallic	53,28	0.28	0.26	0.10	0.04	80.0	0.00	0.70
2426.2 2111	20C	Land	34.06	0.00	0.27	0.10	0.03	0.04	3.00	0.4
2121	110C	Building	1,823.77	3.92	11.38	4.30	1.45	1.94		23.0
6161	1100	Total	38,738.08	289.23	163.45	61.81	30.82	42.78	0.00	588.0

5/29/02 South Dal	cota		South Da	kota HICAP L	INBUNDLED N	ETWORK ELE	EMENTS (UNE	)		
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Total Capital Costs
DS3 Cap	able Lo	oop Zone 3								
2232.3	357C	Circuit Equipment - Other Digital Equipment	1,800.47	16.46	6.82	2.58	1.43	3.82	0.00	31.12
2232.2	257C	Circuit Equipment - Pair Gain - Digital	334.72	3.06	1.27	0.48	0.27	0.29	0.00	5.37
2232.2	257CP	Pair Gain - Digital (Customer Premise)	170.90	1.56	0.65	0.24	0.14	0.15	0.00	2.74
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	6,991.31	63.92	26.48	10.01	5.56	6.13	0.00	112.12
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	17,083.64	156.20	64.71	24.47	13.59	14.99	0.00	273.96
2441	4C	Conduit System	1,846.38	3.30	9.94	3.76	1.47	1.11	0.00	19.58
2422.12,.22	85C	Underground Cable - NonMetallic	962.60	5.67	4.54	1.72	0.77	1.52	0.00	14.21
2423.12,.22	845C	Buried Cable - NonMetallic	19,236.37	97.63	91.47	34.59	15.30	36.99	0.00	275.98
2426.2	862C	Intrabuilding Network Cable - NonMetallic	53.28	0.28	0.26	0.10	0.04	0.08	0.00	0.76
2111	20C	Land	34.06	0.00	0.27	0.10	0.03	0.04		0.44
2121	110C	Building	1,823.77	3.92	11.38	4.30	1.45	1.94		23.00
		Total	50,337.51	352.01	217.78	82.36	40.04	67.07	0.00	759.27

	Α	В	С	D	E	F	G	Н	
1	nvestment								:
	STUDY	South Dakota HICAP UN	BUNDLED NETWORK	K EL	EMENTS (UNE)				
	DATE	5/29/02		T				NAC Model	
	GROUP	DS1 Capable Loop State	wide					SDDS10402v2.1ZONESnin	Investments by zone WINPC3
	LOADED	SD SD	570.2466634523	n.	0.	357C	CIRCUIT-OTHER DIGITAL		•
6		SD	2,202.7670196149	·	7.7202522371		CIRCUIT-DIGITAL		
	LOADED	SD	624.2661070353			257CP	CIRCUIT-DIGITAL -PREMISES	· · · · · · · · · · · · · · · · · · ·	• · · · · · · · · · · · · · · · · · · ·
	LOADED	SD	211.6497264192		A committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the comm	257CS	CIRCUIT-DIGITAL SONET		
		SD	0.			257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
	LOADED	SD	55.5937289583	i	0.	1C	POLES		
		SD	7.1942998523		0.	3C	C WIRE		
_	LOADED	SD	321.2503464796		0.	4C	CONDUIT SYSTEMS		
	LOADED	SD	163.602895084		0.	5C	UNDERGROUND CABLE METALLIC		
	LOADED	SD	233.3641438639	\$p	0.	35C	BURIED DROP		
	LOADED	SD	36.9512891741		0.	42C	AERIAL DROP		! !
	LOADED	SD	1,563.3892567875	\$ /	0.	45C	BURIED CABLE METALLIC	1	**************************************
	LOADED	SD	58.6804805493	+ +	0.	52C	AERIAL CABLE METALLIC	1	<b>9</b>
	LOADED	SD	38.2355409009	<u></u>	0.	62C	INTRABUILDING CABLE METALLIC		[
	LOADED	SD	132,1117854055	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
		SD	102.2516975333		0.	845C	BURIED CABLE NONMETALLIC		
	LOADED	SD	0.	*****	0.	862C	INTRABUILDING CABLE NONMETALLIC		<b>!</b>
	GROUP	DS1 Capable Loop Zone		1 1				SDDS10402v2.1ZONESnin	Investments by zone WINPC3
	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		entra en la la estada de la estada de la estada de la estada de la estada de la estada de la estada de la esta Estada en la estada de la estada de la estada de la estada de la estada de la estada de la estada de la estada
	LOADED	SD	4	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
25	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES	1	
26	LOADED	SD	211,6497264192	· · · +	0.	257CS	CIRCUIT-DIGITAL SONET		
	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		1
	LOADED	SD	55,5937289583	0.	0.	1C	POLES		
	LOADED	SD	7.1942998523	0.	0.	3C	C WIRE		1
	LOADED	SD	415.9810285981	0.	0.	4C	CONDUIT SYSTEMS		i
	LOADED	SD	209.6134687165	0.	0.	5C	UNDERGROUND CABLE METALLIC	T MANAGE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO SERVICE TO	
32	LOADED	SD	233.3641438639	0.	0.	35C	BURIED DROP		
33	LOADED	SD	36.9512891741	0.	0.	42C	AERIAL DROP		
34	LOADED	SD	1,495.5245011157	0.	0.	45C	BURIED CABLE METALLIC		
35	LOADED	SD	58.6804805493	0.	0.		AERIAL CABLE METALLIC		
36	LOADED	SD	38.2355409009	0.		62C	INTRABUILDING CABLE METALLIC		1
37	LOADED	SD	53.8372811089	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
38	LOADED	SD	46.6639043162	0.	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	845C	BURIED CABLE NONMETALLIC		
39	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
40	GROUP	DS1 Capable Loop Zone	∋ 2					SDDS10402v2.1ZONESnir	Investments by zone WINPC3
41	LOADED	SD	570.2466634523	0.		357C	CIRCUIT-OTHER DIGITAL		• • • • • • • • • • • • • • • • • • •
42	LOADED	SD	2,202.7670196149	0.	7.7202522371	1	CIRCUIT-DIGITAL		
43	LOADED	SD	624.2661070353	0.	4.5417630941	4	CIRCUIT-DIGITAL -PREMISES		İ
44	LOADED	SD	211.6497264192	0.		257CS	CIRCUIT-DIGITAL SONET	1	
45	LOADED	SD	0.	0.		257CSP	al distribution in the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contrac		<u> </u>
46	LOADED	SD	55.5937289583	0.		1C	POLES	1	· 4
47	LOADED	SD	7.1942998523	0.		3C	C WIRE		
48	LOADED	SD	408.643089581	0.	0.	4C	CONDUIT SYSTEMS		
49	LOADED	SD	205.5262978197	0.	0.	5C	UNDERGROUND CABLE METALLIC		F.

Т	Α	В	C	рΙ	E	TF	G	Н	
50	LOADED	SD	233.3641438639			35C	BURIED DROP		:
-	LOADED	SD	36.9512891741	0.	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	42C	AERIAL DROP		
52	LOADED	SD	1,508.9216410442	10 mm 2 mm	0. 0.	45C	BURIED CABLE METALLIC		
53	LOADED	SD	58.6804805493	diament and	0. 0.	52C	AERIAL CABLE METALLIC		
54	LOADED	SD	38.2355409009		0.	62C	INTRABUILDING CABLE METALLIC	<u> </u>	
55	LOADED	SD	72.7574225311	1	0. 0.	water market and a second	UNDERGROUND CABLE NONMETALLIC		
56	LOADED	SD	60.4575688532	i	0. 0.	845C	BURIED CABLE NONMETALLIC		
57	LOADED	SD	0.4570000332	i i		862C	INTRABUILDING CABLE NONMETALLIC		
_	GROUP	DS1 Capable L		υ.		0020	INTRABUILDING CABLE NONWETALLIC	SDDS10400-0 170NEC-1-	In the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
59	LOADED	SD Capable L	570.2466634523	n		357C	CIRCUIT-OTHER DIGITAL	8DD510402V2, 12ONESIII	Investments by zone WINPC3
-	LOADED	SD	2,202.7670196149	1 - 1	7.7202522371	257C	CIRCUIT-DIGITAL		
	LOADED	SD	624.2661070353		4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
62	LOADED	SD	211.6497264192	A	0.	257CS	CIRCUIT-DIGITAL SONET	:	
63	LOADED	SD	0.	i i	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
64	LOADED	SD	55.5937289583	1	0.	1C	POLES		
	LOADED	SD	7.1942998523		0.	3C	C WIRE	<u> </u>	
_	LOADED	SD	214.4298511841		0.	4C	CONDUIT SYSTEMS		
$\vdash$	LOADED	SD	111.842528843		0.	Andrewson and the con-	UNDERGROUND CABLE METALLIC		
	LOADED	SD	233.3641438639			35C	BURIED DROP		
	LOADED	SD	36.9512891741	0.	0.		AERIAL DROP		
	LOADED	SD	1,636.7439552761	0.	0.		BURIED CABLE METALLIC		
71	LOADED	ISD	58.6804805493	0.	0.	52C	AERIAL CABLE METALLIC		
_	LOADED	SD	38.2355409009	0.	0.	62C	INTRABUILDING CABLE METALLIC		
	LOADED	SD	214.1408317398	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
	LOADED	SD	160.362275038	0.	0.	845C	BURIED CABLE NONMETALLIC		
	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC	the second section is the	
	GROUP		eeder Loop Statewide	٠.		0020	THE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	SDDS10402v2 17ONESnin	Investments by zone WINPC3
_	LOADED	SD	570.2466634523	O.	0.	357C	CIRCUIT-OTHER DIGITAL	GDDG10402V2.12GIVLGIUII	investments by zone with C3
	LOADED	SD	2,202,7670196149	i eren d	7.7202522371	257C	CIRCUIT-DIGITAL		
	LOADED	SD	624.2661070353	i	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
	LOADED	SD	211.6497264192		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	257CS	CIRCUIT-DIGITAL SONET		
	LOADED	SD	0.	·		257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
	LOADED	SD	0.			1C	POLES		
	LOADED	SD	0.		0.	A real real real real real real real real	C WIRE		
	LOADED	SD	321.2503464796		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	4C	CONDUIT SYSTEMS		
-	LOADED	SD	151.439840037	0.	a service of the service of the service of the service of	5C	UNDERGROUND CABLE METALLIC		
	LOADED	SD	0.	0.	0.	35C	BURIED DROP		
	LOADED	SD	0.	0.	0.	42C	AERIAL DROP	1	
	LOADED	SD	99.7077227731	0.	0.	45C	BURIED CABLE METALLIC		
	LOADED	SD	0.	0.	an a see and a second control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	52C	AERIAL CABLE METALLIC		
90	LOADED	SD	0.	0.	Ö.	62C	INTRABUILDING CABLE METALLIC		
91	LOADED	SD	132.1117854055	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
	LOADED	SD	102.2516975333	0.	0.	845C	BURIED CABLE NONMETALLIC		
	LOADED	SD	0.	+	the second control of the second	862C	INTRABUILDING CABLE NONMETALLIC		
	GROUP		eeder Loop Zone 1	17		1		SDDS10402v2 1ZONFSnin	Investments by zone WINPC3
_	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
	LOADED	SD	2,202.7670196149		7.7202522371	257C	CIRCUIT-DIGITAL		
	LOADED	SD	624.2661070353	\$ · · · ·	4.5417630941	A secondario de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la comp	CIRCUIT-DIGITAL -PREMISES		
	LOADED	SD	211.6497264192	· · · ·	and the second second second	257CS	CIRCUIT-DIGITAL SONET		·

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	Ā	В	С	D	E	F	G	Н	1
99 1	LOADED	SD	0.			257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
	LOADED	SD	0.			1C	POLES		
	LOADED	SD		0.		3C	C WIRE		
	LOADED	SD		0.	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	4C	CONDUIT SYSTEMS		
	LOADED	SD		0.		5C	UNDERGROUND CABLE METALLIC		
	LOADED	SD		0.		35C	BURIED DROP		
	LOADED	SD		0.		42C	AERIAL DROP	•	
	LOADED	SD	31.8429671013		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	45C	BURIED CABLE METALLIC		
	LOADED	SD	0.	0.		52C	AERIAL CABLE METALLIC		
	LOADED	SD		0.	and the second second second	62C	INTRABUILDING CABLE METALLIC		
-	LOADED	SD	53.8372811089			85C	UNDERGROUND CABLE NONMETALLIC	;	•
	LOADED	SD	46.6639043162		and the second second second	845C	BURIED CABLE NONMETALLIC		
	LOADED	SD	0.			862C	INTRABUILDING CABLE NONMETALLIC		
	GROUP	A CONTRACTOR OF THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	eder Loop Zone 2	٥.				SDDS10402v2.1ZONESnin	Investments by zone WINPC3
	LOADED	SD	570.2466634523	n	<b>0.</b>	357C	CIRCUIT-OTHER DIGITAL		
	LOADED	SD	2,202.7670196149	t ann i bi	7.7202522371	257C	CIRCUIT-DIGITAL		
	LOADED	SD	624.2661070353		4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
	LOADED	SD	211.6497264192	·	AND RESIDENCE TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	257CS	CIRCUIT-DIGITAL SONET		
	LOADED	SD	0.			257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
	LOADED	SD	0.			1C	POLES		
	LOADED	SD	<u> </u>			3C	C WIRE		
	LOADED	SD	408.643089581	ii		4C	CONDUIT SYSTEMS		
	LOADED	SD	193,3632427727	0.		5C	UNDERGROUND CABLE METALLIC		
	LOADED	SD	0.			35C	BURIED DROP		
	LOADED	SD	0.			42C	AERIAL DROP		
	LOADED	SD		0.		45C	BURIED CABLE METALLIC		
	LOADED	SD	0.	0.	0.	52C	AERIAL CABLE METALLIC		
	LOADED	SD	0.	0.	0.	62C	INTRABUILDING CABLE METALLIC		
	LOADED	SD	72,7574225311	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
	LOADED	SD	60.4575688532		0.	845C	BURIED CABLE NONMETALLIC		
	LOADED	SD		0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
	GROUP		eder Loop Zone 3					SDDS10402v2.1ZONESnin	Investments by zone WINPC3
	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL ·		
	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
134	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
	LOADED	SD	0.	0.		1C	POLES		
	LOADED	SD	0.	0.	0.	3C	C WIRE	4	
138	LOADED	SD	214.4298511841	0.		4C	CONDUIT SYSTEMS	1	
	LOADED	SD	99.679473796	0.	0.	5C	UNDERGROUND CABLE METALLIC	1	
	LOADED	SD	0.	0.	0.	35C	BURIED DROP		: 
	LOADED	SD	0.	0.	0.	42C	AERIAL DROP	1	
	LOADED	SD	173.0624212617	0.	0.	45C	BURIED CABLE METALLIC	4	
143	LOADED	SD	0.	0.		52C	AERIAL CABLE METALLIC		L
	LOADED	SD	0.	0.		62C	INTRABUILDING CABLE METALLIC		· · · · · · · · · · · · · · · · · · ·
	LOADED	SD	214.1408317398	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
146	LOADED	SD	160.362275038	0.	0.	845C	BURIED CABLE NONMETALLIC	1	•
147	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC	NAC Model	-

	A	В	С	D	E	F	G	Н	
148	GROUP	DS3 Capable Loop State	ewide					SDDS30502v2.1ZONES	Investments by zone WINPC3
149	LOADED	SD	1,800.4672	Ì	0.	357C	SWC DCS		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
150	LOADED	SD	334.7216057122			257C	SWC NODE		
151	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
152	LOADED	SD	6,991.3134493746		0.	257CS	SWC SONET		
153	LOADED	SD	16,949.3362452857		134.3082405714	257CSP	PREMISES SONET		···
154	LOADED	SD	2,562.3800376179		0.	4C	STRUCTURE		1
155	LOADED	SD	1,292.6860746065		0.	85C	UNDERGROUND FIBER		
	LOADED	SD	11,389.4923965712		0.	845C	BURIED FIBER		
	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		
	GROUP	DS3 Capable Loop Zone	e 1					SDDS30502v2.1ZONES	Investments by zone WINPC3
	LOADED	SD	1,800.4672		0.	357C	SWC DCS		1
	LOADED	SD	334.7216057122		0.	257C	SWC NODE		· • · · = · • · · · · · · · · · · · · ·
	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
	LOADED	SD	6,991.3134493746		0.	257CS	SWC SONET		
	LOADED	SD	16,949.3362452857		134.3082405714	257CSP	PREMISES SONET		· • · · · · · · · · · · · · · · · · · ·
164	LOADED	SD	3,186.8439949372		0.	4C	STRUCTURE		
165	LOADED	SD	1,580.5695010079		0.	85C	UNDERGROUND FIBER		
	LOADED	SD	3,921.5122880122		0.	845C	BURIED FIBER	1	
167	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER	1	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
	GROUP	DS3 Capable Loop Zone	e 2				The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	SDDS30502v2,1ZONES	Investments by zone WINPC3
169	LOADED	SD	1,800.4672		0.	357C	SWC DCS		1
	LOADED	SD	334.7216057122		0.	257C	SWC NODE		
	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
	LOADED	SD	6,991.3134493746	L i	0.	257CS	SWC SONET		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
	LOADED	SD	16,949.3362452857			i a t t t t t	PREMISES SONET		
-	LOADED	SD	3,189.1452436154		0.	4C	STRUCTURE		
	LOADED	SD	1,581.6303970719		0.	85C	UNDERGROUND FIBER	4	
	LOADED	SD	5,675.1522598682		0.	845C	BURIED FIBER	1	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER	1	1
	GROUP	DS3 Capable Loop Zone	e 3					SDDS30502v2.1ZONES	Investments by zone WINPC3
	LOADED	SD	1,800.4672		0.	357C	SWC DCS		T
	LOADED	SD	334.7216057122		0.	257C	SWC NODE		
	LOADED	SD	170.0242057143		0.8725257143	1	PREMISES NODE		1
	LOADED	SD	6,991.3134493746			257CS	SWC SONET		
	LOADED	SD	16,949.3362452857			257CSP	PREMISES SONET		· · · · · · · · · · · · · · · · · · ·
	LOADED	SD	1,846.382132671	li	11. A	4C	STRUCTURE		
	LOADED	SD	962.6046859909	il	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	85C	UNDERGROUND FIBER	,	···
	LOADED	SD	19,236.3732638631			845C	BURIED FIBER		
187	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		

	Α	В
1	Parameter	
2	SD	
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5	Monthly	12
6	Yes	
7	No	
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	Α	В	С	D	Е	F	G	H	I	J	K	L	М	N
1	ACFIN											1	1	
2	02SD01E													
3	357C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
4	257C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
5	257CP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
6	257CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
7	257CSP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
8	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
9	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
10	1C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
11	3C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
12	4C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
13	5C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
14	35C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
15	42C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
16	45C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
17	52C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
18	62C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
19	85C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
20	845C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
21	862C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
22	357CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST

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3	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
4	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
5	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
6	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
7	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
8	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
9	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	вс
10	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
11	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
12	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
13	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
14	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
15		COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
16	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
17	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
18	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
19	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
20	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	вс
21	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
22	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС

	Α	В	С	D	E	F	G	Н	l	J	K	L	М
1	ACFOUT	Factors Fo	r: Intercon	nection									
2	-Run Doi	ne With Datab	ase Vintage: (	02SD01E, Da	ted: 04/08/02			i					
3	-Wholesa	ale Cost Prog	ram (TELRIC)	Data Base re	leased 04/02	(02SD01E).				! · · · · · · · · · · · · · · · · · · ·			
4	-Factors	loaded from I	Factors Model	(Expense M	odule), Versid	on 02V1.							
5	-CAPITA	L RECOVERY	factors releas	sed 04/02 and	d based on 10	0.14% Cost				:			
6	Of Mone	y. No 1-10 ye	ear factors de	veloped.									
7	-MAINTE	NANCE facto	rs released 02	2/02.									
8	-RTU fac	tors released	02/01.										
9	-AD VAL	OREM Tax rei	leased 02/02.										
10	-DIRECT	LY ASSIGNE	D expense fac	tors released	1 04/02.								
11	-BUSINE	SS FEES rele	ased 04/02.								<u> </u>		
12	-соммс	ON Expense re	eleased 04/02.					ļ 			1		
13	-TOTAL	INSTALLED F	ACTORS (TIF	) released 01.	/01.								
14	-POWER	l investment f	actors release	ed 01/01.									
15	-SALES	TAX released	01/01.								1		
16	-TELCO	Engineering f	factors release	ed 01/01.					ļ		!		
17	-INTERE	ST DURING C	CONSTRUCTIO	ON released (	01/01.				ļ 		<u> </u>		
18			3 factors relea		1	<u> </u>	<u> </u>						
19			TABLE expens		eased 04/02.								
20			tor released 0										
21			MENT factor re		2.				L	! • • • • • • •			
22	-BILLING	G & COLLECT	ION factor rel	eased 01/01.				İ					
23			rs released 01		ļ		! 						
24			INDEX release						İ				
25	-STRUC	TURE RATIO	released 01/01										
26					<u> </u>								
27							ļ	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		ŧ			
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34															
35	State:														
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38	State:	South Dake	ota												
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40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST
41	357C	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	257C	0.109717	0.045455	0.017189	0.010529	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	257CP	0.109717	0.045455	0.017189	0.010529	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483		0.014703	† i i i i
44	257CS	0.109717	0.045455	0.017189	0.010529	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45	257CSP	0.109717	0.045455	0.017189	0.010529	0.009546	0.000000	0.000000	0.019957	1 737 11712	0.000000	= = = = = = = = = = = = = = = = = = =			
46	20C	0.000000	0.096506	0.036495	0.012770	0.009546			0.019957		0.000000				
47	110C	0.025821	0.074869	0.028313				0.000000		+	0.000000			<u> </u>	
	1C	0.122572	0.036893	0.013952			ļ <u> </u>	0.000000	<b>!</b>		0.000000				
	3C	0.274000		0.034674		0.009546			0.019957		0.000000				
	4C	0.021443		0.024429		0.009546			0.019957	4	0.000000	1			
51	5C	0.090987	+ =:====	0.021254			1	0.000000	+		0.000000				
	35C	0.060902		0.021578		0.009546			0.019957	# · · · · · · · · · · · · · · · · · · ·	0.000000			a carrier or a second	to the second second second
53	42C	0.105201		0.020563				0.000000		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0.000000			4	
54	45C	0.060902		0.021578		Acres and a second of		ļ	£	0.011877	£	∮ · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		A CONTRACT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE
	_52C	0.105201		0.020563		0.009546		2.02		<del></del>	0.000000			·	,
56	62C	0.062692		0.022074	·	<u></u>		0.000000	h	+	0.000000				
57		0.070742		0.021388		+======================================		0.000000		4	0.000000	1.515 - 1 1 - 5			
	845C	0.060902		0.021578			0.000000		,		0.000000	1		. =:= : :: ==	
_	862C	0.062692		0.022074				0.000000							0.088742
60	357CS	0.109717	0.045455	0.017189	0.025490	0.009546	∶0.199833	0.003732	- 0.019957	′. 0.011877	0.000000	∶0.001483	0.034832	0.014703	0.088742

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34														
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40	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	ВС
41	0.043342						0.000525							e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l
42	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064	0.004304
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aructions for running DS1 investments by Zone & Statewide average for DS1 Capable Loop or Capable Feeder (Subloop)

- 1) Go to TAB "START". In cell "B2" enter the State abbreviation for the State you wish to run. Enter a "Y" in cell "B4" for weighted average.
- 2) Choose the study type on the drop down menu labeled "Study Selection" cell "D5" in the TAB "START".
- 3) On the TAB "START", click the "Erase Investments by Zone for WINPC3" button. By doing so will erase the Investments from the cells in TAB "Investments by Zone for WINPC3".
- 4) On the TAB "START", click the "Run All Zones, Loop & Capable Feeder" button. By doing so will run the investments for Entrance Facility, Capable Loop by Zone and after that the capable Feeder loop by Zone. The investments will be copied into the cells in the TAB "Investments by Zone for WINPC3" and the TAB "Working Investments" for the other selections.
  (See NAC Documentation for additional instructions.)
- 5) From the TAB "Investments by Zone for WINPC3", copy the investments into a workbook and run the "Wholesale Cost Model". (See documentation for running the "Wholesale Cost Model")
- 6) Cost results will be displayed in the TAB "WINPC3 Output" in the Wholesale Cost Model".

Instructions for running DS3 investments by Zone & Statewide average for DS3 Capable Loop.

- 1) Open the version of the NAC model found on the Study Summary Sheet
- 2) Go to TAB "WINPC3 Parameters". In cell "G2" enter the State abbreviation for the State you wish to run.
- 3) On the TAB "WINPC3 Parameters", click the "Click to Erase WINPC3 Investments" button. By doing so will erase the Investments from the cells in TAB "Zone Investments for WINPC3".
- 4) On the TAB "START", click the "Run All Zones" button. By doing so will run the investments for Entrance Facility and Capable Loop by Zone. The investments will be copied into the cells in the TAB "Zone Investments for WINPC3" and the TAB "User Adjustable Inputs - DS3" for the other selections.
- 5) From the TAB "Zone Investments for WINPC3", copy the investments into a workbook and run the "Wholesale Cost Model". (See documentation for running the "Wholesale Cost Model")
- 6) Cost results will be displayed in the TAB "WINPC3 Output" in the Wholesale Cost Model".



# **EXECUTIVE SUMMARY**

## **SOUTH DAKOTA**

## UNBUNDLED NETWORK ELEMENTS OCN E-UDIT & UDIT

RECURRING COST STUDY STUDY ID # 6431

COMMISSION PRESCRIBED LIVES AND 10.14% COM

**MAY 2002** 

# UNBUNDLED NETWORK ELEMENTS

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## A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to estimate Qwest's - 2002 total element long-run incremental costs that would be incurred to provide Unbundled Network Elements to a Co-Provider.

This study develops statewide average Total Element Long Run Incremental Costs (TELRIC). Costs are specific to the state of South Dakota and are stated on a per unit basis, unless specified otherwise. Cost results are based on Commission Prescribed Lives and 10.14% Cost of Money (COM).

## **B. DESCRIPTION OF SERVICE**

A Unbundled Network Element (UNE) is a portion of Qwest's network sold to an Interconnector or Certified Local Exchange Carrier (CLEC) for use in building services for their customers. The Interconnector normally would connect to these UNEs in a QWEST wire center. The Interconnector may combine these UNEs together and/or with their own facilities or equipment for this purpose.

The Interconnector has design responsibility to insure that these elements will properly work with each other and with their facilities and equipment to meet their customer's service needs.

Several types of UNEs are available from QWEST. The following UNEs are addressed in this study:

- OC3, 12 & 48 E-UDIT REMOTE NODES AND PORTS
- OC3, 12 & 48 DEAVERAGED CAPABLE LOOPS

#### **OCN E-UDIT:**

Extended Unbundled Dedicated Interoffice Transport (EUDIT) provides CLEC with a bandwidth specific transmission path between the Qwest Serving Wire Center to CLEC's Wire Center or an IXC's point of presence located within the same Qwest Serving Wire Center area. The different transmission paths are 155.52 Mbps, 622.08 Mbps and 2.48832 Gbps.

#### OCN Capable Loop:

An OC-n Capable Loop is a digital transmission path that transports bi-directional high capacity SONET signals of OC-3, OC-12, and OC-48 rates. The transmission path runs from a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements. See Technical Publication 77384 for additional

information.

Characteristics associated with an Unbundled SONET Channel as defined above are in accord with the following interfaces:

- 4-fiber digital interface supporting an OC-3, SONET Optic signal of 155.52 Mbit/s over a transmission path to an EU's premises.
- 4-fiber digital interface supporting an OC-12, SONET Optic signal of 622.08 Mbit/s over a transmission path to an EU's premises.
- 4-fiber digital interface supporting an OC-48, SONET Optic signal of 2.488 Gbit/s over a transmission path to an EU's premises.

#### C. STUDY METHODOLOGY

E-UDIT AND CAPABLE LOOPS— E-UDIT and Capable Loop investments are calculated using a Microsoft Excel® spreadsheet based model called the NAC (Network Access Channel) model. The NAC model estimates the installed investment associated with circuits between a SWC and a CLEC's NI.

The TELRIC Windows Personal Computer Cost Calculator (WINPC3) was used to convert installed investments to TELRIC by applying appropriate investment and expense factors to the installed investment.

## D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The *forward-looking* Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the *long run* costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

Total Element Long Run Incremental Costs (TELRIC) represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

#### E. STUDY ASSUMPTIONS

- a. Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by QWEST today.
- b. All network investments are forward-looking.
- c. All costs displayed are a 2002 level.
- d. Cost results are based on Commission Prescribed Lives and 10.14% Cost of Money (COM).

Study Name	UNBUNDLED NETWORK ELEM	MENTS (UNE) OCN
Study Requester	Robyn Libadia	1
Type of Study	TELRIC	~
Study ID	6431	
Cost Factor Group	Interconnection	
Cost Factor Group	The Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confiden	
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Study Applications		
Study Applications		
Completion Date	May 29, 2002	
Cost Analyst	David Workman	
Study Review	Reviewer	Date
Budy Review	Reviewer	May 29, 2002
		19144 25, 2002
Models Used	Model	Version
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	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02VI
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Cost Factors Csed	Capital Recovery	04/02
	Maintenance	02/02
	Ad Valorem	02/02
	COE Land & Bldg	02/02
	Marketing Factors	04/02
	Billing & Collection (PL)	01/01
	Other Direct Expenses	04/02
	Common	04/02
	Common	04702
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Major Cost Drivers		

Parameter File: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\OCN 6431\SD UNE Workpapers #6431.xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 2

Costs Format: Monthly

Group Totals: Yes

ACF Input: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\OCN 6431\SD UNE Workpapers #6431.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\OCN 6431\SD UNE Workpapers #6431.xls, Sheet "WINPC3 ACF Outputs"

Investment: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\OCN 6431\SD UNE Workpapers #6431.xls, Sheet "WINPC3 Investments"

Output: H:\Gollehon\_Team\Recurring\Workman\e-udit & udit\SD\2001\SDunemay02\OCN 6431\SD UNE Workpapers #6431.xls, Sheet "WINPC3 Output"

Description	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
OC-3 E-UDIT REMOTE NODE	\$21,663.90	\$0.00	\$360.55	\$17.86	\$98.04	\$458.59	\$32.69	\$491.28
OC-3 DS1 REMOTE PORT	\$166.37	\$0.00	\$2.77	\$0.14	\$0.75	\$3.52	\$0.25	\$3.77
OC-3 DS3 REMOTE PORT	\$2,244.08	\$0.00	\$37.35	\$1.85	\$10.16	\$47.50	\$3.39	\$50.89
OC-12 E-UDIT REMOTE NODE	\$40,757.71	\$0.00	\$678.32	\$33.60	\$184.46	\$862.78	\$61.50	\$924.28
OC-12 DS1 REMOTE PORT	\$576.20	\$0.00	\$9.59	\$0.48	\$2.61	\$12.20	\$0.87	\$13.07
OC-12 DS3 REMOTE PORT	\$1,509.31	\$0.00	\$25.12	\$1.24	\$6.83	\$31.95	\$2.28	\$34.23
OC-12 OC3 REMOTE PORT	\$4,740.47	\$0.00	\$78.89	\$3.91	\$21.45	\$100.35	\$7.15	\$107.50
OC-48 E-UDIT REMOTE NODE	\$146,893.09	\$0.00	\$2,444.70	\$121.10	\$664.79	\$3,109.49	\$221.66	\$3,331.15
OC-48 DS3 REMOTE PORT	\$1,024.02	\$0.00	\$17.04	\$0.84	\$4.63	\$21.68	\$1.55	\$23.22
OC-48 OC3 REMOTE PORT	\$5,576.97	\$0.00	\$92.82	\$4.60	\$25.24	\$118.06	\$8.42	\$126.47
OC-48 OC12 REMOTE PORT	\$21,978.33	\$0.00	\$365.78	\$18.12	\$99.47	\$465.25	\$33.17	\$498.41
OC-3 CAPABLE LOOP STATE AVERAGE	\$45,904.82	\$0.00	\$687.03	\$34.03	\$186.83	\$873.86	\$62.29	\$936,15
OC-12 CAPABLE LOOP STATE AVERAGE	\$65,472.60	\$0.00	\$1,000.94	\$49.58	\$272.19	\$1,273.13	\$90.76	\$1,363.89
OC-48 CAPABLE LOOP STATE AVERAGE	\$182,787.95	\$0.00	\$2,882.96	\$142.81	\$783.97	\$3,666.93	\$261.40	\$3,928.32

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Row   South Dakota	Source or Calculation	Factor Value	OC-3 E-UDIT	OC-3 DS1 REMOTE PORT	OC-3 DS3 REMOTE PORT	OC-12 E-UDIT	OC-12 DS1 REMOTE PORT	OC-12 DS3 REMOTE POR
		Α	В	С	D	E	Particol P	G
1 Investment	si r"Total" cD	Î	21,663.90	166.37	2,244.08	40,757.71	576.20	1,509.
2	J. 10th 00	L	21,000,00	100.07	Lizarios.	10,101.71	070.20	1,000,1
3 Investment Based Costs	si r"Totai" cK		347.41	2.67	35.99	653,60	9.24	24.
4								
5 Direct Expenses			0.00	0.00	0.00	0.00	0.00	0.
6 Miscellaneous Expenses			0.00	0.00	0.00	0.00	0.00	0.
7 Billing & Collection - PL	cA*(r8-r6)	0.004304	1.50	0.01	0.15	2.81	0.04	0.
8 Total Investment Based + Billing & Collection	. ,		348.91	2.68	36.14	656.42	9.28	24
9								
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	6.96	0.05	0.72	13.10	0.19	O
12 Sales Expense	cA*(r8-r6)	0.011877	4.14	0.03	0.43	7.80	0.11	O
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	C
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.53	0.00	0.06	1.00	0.01	C
15 Marketing & Business Fees Total	Sum r11:r14		11.64	0.09	1.21	21.90	0.31	C
16								_
17 Sub-Total Invst., B & C, Mktg	г8 + r15		360.55	2.77	37.35	678.32	9.59	25
18								
19 Other Direct Expenses	*** ** ->		40.50	0.40				_
20 Network Operations	cA*(r17-r6)	0.034832	12.56	0.10	1.30	23.63	0.33	C
21 Network Support Assets	cA*(r17-r6)	0.014703	5.30	0.04	0.55	9.97	0.14	(
22 General Support Assets	cA*(r17-r6)	0.088742	32.00	0.25	3.31	60.20	0.85	2
23 General Purpose Computers	cA*(r17-r6)	0.043342	15.63	0.12	1.62	29.40	0.42	1
24 Uncollectible	cA*(r17-r6)	0.003786	1.37	0.01	0.14	2.57	0.04	(
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346	2.65	0.02	0.27	4.98	0.07	0
26 Human Resources Expense	cA*(r17-r6)	0.008294	2.99	0.02	0.31	5.63	0.08	Ç
27 Information Management Expense	cA*(r17-r6)	0.070887	25.56	0.20	2.65	48.08	0.68	1
28 Intangibles	cA*(r17-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	C
29 Total Other Direct Expenses	Sum r20:r28		98.04	0.75	10.16	184.46	2.61	6
30 31 <i>TELRIC</i>	r17 + r29		458.59	3.52	47.50	862,78	12.20	31
32 32	117 + 129		430.33	3.02	47.50	002.76	12.20	
32 33 <b>Commo</b> n								
34 Executive Expense	cA*(r31-r6)	0.011267	5.17	0.04	0.54	9.72	0.14	C
35 Planning Expense	cA*(r31-r6)	0.000525	0.24	0.00	0.02	9.72 0.45	0.01	C
36 External Relations Expense	cA*(r31-r6)	0.000323	17.36	0.13	1.80	32.65	0.46	1
37 Legal Expense	cA*(r31-r6)	0.007040	2.16	0.02	0.22	4.07	0.06	Ċ
38 Other Procurement Expense	cA*(r31-r6)	0.004717	0.85	0.02	0.09	1.60	0.02	(
39 Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00	0.00	0.01	0.02	(
40 Other General and Admin Expense	cA*(r31-r6)	0.015064	6.91	0.05	0.72	13.00	0.18	(
41 Common Costs	Sum r34:r40	0.010004	32.69	0.25	3.39	61.50	0.18	2
42			52.00	0.20	0.00	51.50	0.07	_
43 TELRIC + Common Costs	r31 + r41		491.28	3.77	50.89	924.28	13.07	34

Subclin			1010111	30010				wgo o
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Row   South Dakota	Source or Calculation	Factor Value	OC-12 OC3 REMOTE PORT	OC-48 E-UDIT REMOTE NODE	OC-48 DS3 REMOTE PORT	OC-48 OC3 REMOTE PORT	OC-48 OC12 REMOTE PORT	OC-3 CAPABLE LOOP STATE AVERAGE
		Α	Н	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tarak (j. 12.13)	K		M
1 Investment	sl r"Total" cD		4,740.47	146,893.09	1,024.02	5,576.97	21,978.33	45,904.8
2								
3 Investment Based Costs	si r"Total" cK		76.02	2,355.63	16.42	89.43	352.45	662.0
4 5 Direct Expenses			0.00	0.00	0.00	0.00	0.00	0.0
•			0.00	0.00	0.00	0.00	0.00	0.0
6 Miscellaneous Expenses	- A*/-DC)	0.004304	0.33	10.14	0.07	0.38	1.52	2.8
7 Billing & Collection - PL	cA*(r8-r6)	0.004304			16.49	89.82	353.97	2.0 664.8
8 Total Investment Based + Billing & Collection 9			76.35	2,365.77	10.49	09.02	333.97	004.0
10 Marketing & Business Fees								
11 Product Management Expense	cA*(r8-r6)	0.019957	1.52	47.21	0.33	1.79	7.06	13.2
12 Sales Expense	cA*(r8-r6)	0.011877	0.91	28.10	0.20	1.07	4.20	7.9
13 Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.0
14 Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.12	3.62	0.03	0.14	0.54	1.0
15 Marketing & Business Fees Total	Sum r11:r14		2.55	78.93	0.55	3.00	11.81	22.
16								
17 Sub-Total Invst., B & C, Mktg	r8 + r15		78.89	2,444.70	17.04	92.82	365.78	687.0
18								
19 Other Direct Expenses								
20 Network Operations	cA*(r17-r6)	0.034832	2.75	85.15	0.59	3.23	12.74	23.9
21 Network Support Assets	cA*(r17-r6)	0.014703	1.16	35.95	0.25	1.36	5.38	10.1
22 General Support Assets	cA*(r17-r6)	0.088742		216.95	1.51	8.24	32.46	60.9
23 General Purpose Computers	cA*(r17-r6)	0.043342	3.42	105.96	0.74	4.02	15.85	29.1
24 Uncollectible	cA*(r17-r6)	0.003786		9.26	0.06	0.35	1.38	2.0
25 Accounting & Finance Expense	cA*(r17-r6)	0.007346		17.96	0.13	0.68	2.69	5.0
26 Human Resources Expense	cA*(r17-r6)	0.007040	0.65	20.28	0.14	0.77	3.03	5.7
	cA*(r17-r6)	0.070887	5.59	173.30	1.21	6.58	25.93	48.
27 Information Management Expense	cA*(r17-r6)	0.000000	0.00	0.00	0.00	0.00	0.00	0.0
28 Intangibles	Sum r20:r28	0.000000	21.45	664.79	4.63	25.24	99.47	186.8
29 Total Other Direct Expenses 30	Julii 120.120		21.45	004.75	4.00	20,27	55.47	100.0
31 TELRIC	r17 + r29		100.35	3,109.49	21.68	118.06	465.25	873.8
32								
33 Common								
34 Executive Expense	cA*(r31-r6)	0.011267	1.13	35.04	0.24	1.33	5.24	9.8
35 Planning Expense	cA*(r31-r6)	0.000525	0.05	1.63	0.01	0.06	0.24	0.4
36 External Relations Expense	cA*(r31-r6)	0.037846		117.68	0.82	4.47	17.61	33.0
37 Legal Expense	cA*(r31-r6)	0.004717	0.47	14.67	0.10	0.56	2.19	4.
38 Other Procurement Expense	cA*(r31-r6)	0.001860		5.78	0.04	0.22	0.87	1.0
39 Research & Development Expense	cA*(r31-r6)	0.000006		0.02	0.00	0.00	0.00	0.
40 Other General and Admin Expense	cA*(r31-r6)	0.015064		46.84	0.33	1.78	7.01	13.
41 Common Costs	Sum r34:r40	<del>-</del>	7.15	221.66	1.55	8.42	33.17	62.
42								
43 TELRIC + Common Costs	r31 + r41		107.50	3,331.15	23.22	126.47	498.41	936.

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Row	South Dakota	Source or Calculation	Factor Value	OC-12 CAPABLE LOOP STATE AVERAGE	OC-48 CAPABLI LOOP STATE AVERAGE
			Α	N	0
1	Investment	si r"Total" cD		65,472.60	182,787.95
2					
	Investment Based Costs	si r"Total" cK		964.47	2,777.92
4				2.22	
	Direct Expenses			0.00	0.0
	Miscellaneous Expenses	**/ 0 0	0.004004	0.00	0.0
	Billing & Collection - PL	cA*(r8-r6)	0.004304	4.15	11.9
8 9	Total Investment Based + Billing & Collection			968.63	2,789.8
10	Marketing & Business Fees				
	Product Management Expense	cA*(r8-r6)	0.019957	19.33	55.6
	Sales Expense	cA*(r8-r6)	0.011877	11.50	33.1
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.00	0.0
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	1.48	4.2
	Marketing & Business Fees Total	Sum r11:r14		32.32	93.0
16 17	Sub-Total Invst., B & C, Mktg	r8 + r15		1,000.94	2,882.9
18					
19	Other Direct Expenses				
20	Network Operations	cA*(r17-r6)	0.034832	34.86	100.4
21	Network Support Assets	cA*(r17-r6)	0.014703	14.72	42.3
	: General Support Assets	cA*(r17-r6)	0.088742	88.83	255.8
23	General Purpose Computers	cA*(r17-r6)	0.043342	43.38	124.9
24	Uncollectible	cA*(r17-r6)	0.003786	3.79	10.9
	Accounting & Finance Expense	cA*(r17-r6)	0.007346	7.35	21.1
	Human Resources Expense	cA*(r17-r6)	0.008294		23.9
	Information Management Expense	cA*(r17-r6)	0.070887	70.95	204.3
	Intangibles	cA*(r17-r6)	0.000000	0.00	0.0
29	Total Other Direct Expenses	Sum r20:r28		272.19	783.9
30					
	TELRIC	r17 + r29		1,273.13	3,666.9
32					
	Common	- A*/O4O'	0.01100-	4404	44.5
	Executive Expense	cA*(r31-r6)	0.011267	14.34	41.3
	6 Planning Expense	cA*(r31-r6)	0.000525		1.9
	S External Relations Expense	cA*(r31-r6)	0.037846		138.7
	' Legal Expense	cA*(r31-r6)	0.004717		17.3
	3 Other Procurement Expense	cA*(r31-r6)	0.001860		6.8
	Research & Development Expense	cA*(r31-r6)	0.000006		0.0
	Other General and Admin Expense	cA*(r31-r6)	0.015064		55.2
41 42	Common Costs	Sum r34:r40		90.76	261.4
	3 TELRIC + Common Costs	r31 + r41		1,363,89	3,928,3

5/29/02 South Da	akota	Ų	NBUNDLED !	NETWORK ELI	EMENTS (UNE	E) OCN			<b></b>
Acct	FRC Account Name I	nvestment	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
OC-3 E	-UDIT REMOTE NODE								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer	21,663.90 <b>21,663.90</b>	198.08 198.08	82.06 <b>82.06</b>	31.03 <b>31.03</b>	17.23 <b>17.23</b>	19.01 <b>19.01</b>	0.00	347.41 <b>347.41</b>
OC-3 D	S1 REMOTE PORT								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer	166.37 <b>166.37</b>	1.52 <b>1.52</b>	0.63 <b>0.63</b>	0.24 <b>0.24</b>	0.13 <b>0.13</b>	0.15 <b>0.15</b>	0.00	2.67 <b>2.67</b>
OC-3 D	S3 REMOTE PORT								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer Total	2,244.08 <b>2,244.08</b>	20.52 <b>20.52</b>	8.50 <b>8.50</b>	3.21 <b>3.21</b>	1.79 <b>1.79</b>	1.97 <b>1.97</b>	0.00	35.99 <b>35.99</b>
OC-12	E-UDIT REMOTE NODE								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer	40,757.71 <b>40,757.71</b>	372.65 <b>372.65</b>	154.39 <b>154.39</b>	58.38 <b>58.38</b>	32.42 <b>32.42</b>	35,76 <b>35.76</b>	0.00 <b>0.00</b>	653.60 <b>653.60</b>
OC-12	DS1 REMOTE PORT								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer	576.20 <b>576.20</b>	5.27 <b>5.27</b>	2.18 <b>2.18</b>	0.83 <b>0.83</b>	0.46 <b>0.46</b>	0.51 <b>0.51</b>	0.00	9.24 <b>9.24</b>
OC-12	DS3 REMOTE PORT								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer Total	1,509.31 <b>1,509.31</b>	13.80 <b>13.80</b>	5.72 <b>5.72</b>	2.16 <b>2.16</b>	1.20 <b>1.20</b>	1.32 1.32	0.00 <b>0.00</b>	24.20 <b>24.20</b>
OC-12	OC3 REMOTE PORT								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer Total	4,740.47 <b>4,740.47</b>	43.34 <b>43.34</b>	17.96 <b>17.96</b>	6.79 <b>6.79</b>	3.77 <b>3.77</b>	4.16 4.16	0.00 <b>0.00</b>	76.02 <b>76.02</b>
OC-48	E-UDIT REMOTE NODE								
2232.2	257CSP Subscriber Pair Gain (SONET - Customer Prer	146,893.09 <b>146,893.09</b>	1,343.06 <b>1,343.06</b>	556.41 <b>556.41</b>	210.42 <b>210.42</b>	116.86 <b>116.86</b>	128.88 <b>128.88</b>	0.00	2,355.63 <b>2,355.63</b>

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5/29/02 South Dal	rota		U	NBUNDLED I	NETWORK ELI	EMENTS (UNE	) OCN			Total Capital
\cct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	Costs
		MOTE PORT								
2232.2	257090	Subscriber Pair Gain (SONET - Customer Prer	1,024.02	9.36	3.88	1.47	0.81	0.90	0.00	16.4
	237001	Total	1,024.02	9.36	3.88	1.47	0.81	0.90	0.00	16.4
OC-48 O	C3 REI	MOTE PORT								
										4
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer Total	5,576.97 <b>5,576.97</b>	50.99 <b>50.99</b>	21.12 <b>21.12</b>	7.99 <b>7.99</b>	4.44 <b>4.44</b>	4.89 <b>4.89</b>	0.00 <b>0.00</b>	89.4 <b>89.4</b>
C-48 O	C12 RI	EMOTE PORT								
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	21,978.33	200.95	83,25	31,48	17.48	19,28	0.00	352.4
.202.2	207001	Total	21,978.33	200.95	83.25	31.48	17.48	19.28	0.00	352.4
OC-3 CA	PABLE	LOOP STATE AVERAGE								
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	14,279.25	130.56	54.09	20.45	11.36	12.53	0.00	228.9
2441	4C	Conduit System	4,783.61	8.55	25.75	9.74	3.81	2.89	0.00	50.
2422.12,.22		Underground Cable - NonMetallic	2,999.95	17.69	14.14	5.35	2.39	4.73	0.00	44.2
2423.12,.22		Buried Cable - NonMetallic	20,396.93 79.95	103.52 0.42	96.99 0.39	36.68 0.15	16.23 0.06	39.22 0.12	0.00 0.00	292.0 1.
2426.2 2232.3	862C 357C	Intrabuilding Network Cable - NonMetallic Circuit Equipment - Other Digital Equipment	79.95 380.85	3.48	1.44	0.15	0.30	0.12	0.00	6.
2111	20C	Land	54.71	0.00	0.44	0.17	0.04	0.06	0.00	0.
2121	110C	Building	2,929.57	6.30	18.28	6.91	2.33	3.12		36.9
		Total	45,904.82	270.51	211.51	79.99	36.52	63.47	0.00	662.0
OC-12 C	APABL	E LOOP STATE AVERAGE								
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	30,537.44	279.21	115.67	43.74	24.29	26.79	0.00	489.7
2441	4C	Conduit System	4,783.61	8.55	25.75	9.74	3.81	2.89	0.00	50.7
2422.12,.22	85C	Underground Cable - NonMetallic	2,999.95	17.69	14.14	5.35	2.39	4.73	0.00	44.2
2423.12,.22		Buried Cable - NonMetallic	20,396.93	103.52	96.99	36.68	16.23	39.22	0.00	292.6
2426.2	862C	Intrabuilding Network Cable - NonMetallic	79.95	0.42	0.39	0.15 0.55	0.06 0.30	0.12	0.00	1.1
2232.3	357C	Circuit Equipment - Other Digital Equipment	380.85 115.39	3.48 0.00	1.44 0.93	0.35 0.35	0.09	0.81 0.12	0.00	6.5 1.4
2111 2121	20C 110C	Land Building	6,178.49	13.29	38.55	14.58	4.92	6.58		77.9
- 161	1100	Total	65,472.60	426.15	293.86	111.13	52.09	81.25	0.00	964.4
OC-48 C	CAPABL	LE LOOP STATE AVERAGE								
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	128,010.68	1,170,42	484.89	183.37	101.84	112.32	0.00	2,052.

South Dak	kota		U	NBUNDLED I	NETWORK ELI	EMENTS (UNE	) OCN			
										Total Capital
Acct	FRC	Account Name	<u>Investment</u>	<u>Depreciation</u>	Cost Of Money	Income Tax	Ad Valorem	<u>Maintenance</u>	Switch RTU	<u>Costs</u>
2422.12,.22	85C	Underground Cable - NonMetallic	2,999.95	17.69	14.14	5.35	2.39	4.73	0.00	44.28
2423.12,.22	845C	Buried Cable - NonMetallic	20,396.93	103.52	96.99	36.68	16.23	39.22	0.00	292.63
2426.2	862C	Intrabuilding Network Cable - NonMetallic	79.95	0.42	0.39	0.15	0.06	0.12	0.00	1.14
2232.3	357C	Circuit Equipment - Other Digital Equipment	380.85	3.48	1.44	0.55	0.30	0.81	0.00	6.58
2111	20C	Land	479.16	0.00	3.85	1.46	0.38	0.51		6.20
2121	110C	Building	25,656.82	55.21	160.07	60.53	20.41	27.30		323.53
l		Total	182,787.95	1,359.27	787.53	297.81	145.41	187.89	0.00	2,777.92

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	Α	В	С	D	E	F	G	Н
1	Investment							
2	STUDY	UNBUNDLED NETWORK ELEMEI	NTS (UNE) OCN					
3	DATE	6/26/02 16:55						
4	GROUP	OC-3 E-UDIT REMOTE NODE						NACmod
5	LOADED	SD	21,497.1049533159		166.7929588133	257CSP	REMOTE NODE	OCNZones0502
6	GROUP	OC-3 DS1 REMOTE PORT				;		
7	LOADED	SD	164.8607703121		1.5113678201	257CSP	DS1 REMOTE PORT	OCNZones0502
8	GROUP	OC-3 DS3 REMOTE PORT						<u> </u>
9	LOADED	SD	2,223.6898744444		20.3857674074	257CSP	DS3 REMOTE PORT	OCNZones0502
10	GROUP	OC-12 E-UDIT REMOTE NODE					ŧ	
11	LOADED	SD	40,426.6365366492		331.0712477022	257CSP	REMOTE NODE	OCNZones0502
12	GROUP	OC-12 DS1 REMOTE PORT						
13	LOADED	SD	571.179609629		5.0252839882	257CSP	DS1 REMOTE PORT	OCNZones0502
14	GROUP	OC-12 DS3 REMOTE PORT						
15	LOADED	SD	1,495.5963149444		13.7109400741	257CSP	DS3 REMOTE PORT	OCNZones0502
16	GROUP	OC-12 OC3 REMOTE PORT						
17	LOADED	SD	4,697.41102		43.0637066667	257CSP	OC3 REMOTE PORT	OCNZones0502
18	GROUP	OC-48 E-UDIT REMOTE NODE						
19	LOADED	SD	145,705.118019134		1,187.9765696289	257CSP	REMOTE NODE	OCNZones0502
20	GROUP	OC-48 DS3 REMOTE PORT		j				
21	LOADED	SD	1,014.9780977094		9.0445110655	257CSP	DS3 REMOTE PORT	OCNZones0502
22	GROUP	OC-48 OC3 REMOTE PORT					· · · · · · · · · · · · · · · · · · ·	
23	LOADED	SD	5,527.7110533333		49.2576577778	257CSP	OC3 REMOTE PORT	OCNZones0502
24	GROUP	OC-48 OC12 REMOTE PORT					į	1
25	LOADED	SD	21,784.2082133333		194.1199644444	257CSP	OC12 REMOTE PORT	OCNZones0502
26	GROUP	OC-3 CAPABLE LOOP STATE AV	ERAGE					NACmod
27	LOADED	SD	14,279.2474555454		e personal contraction of the contraction of the contraction of	257CS	CO NODE	OCNZones0502
28	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	
29	LOADED	SD	2,999.9466536105	İ	0.	85C	UNDERGROUND FIBE	R
30	LOADED	SD	20,396.9305180157		0.	845C	BURIED FIBER	
31	LOADED	SD	79.9468703282		0.	862C	BUILDING FIBER	
	LOADED	SD	380.8542208		0.	357C	ALTERNATE CO FDP	<u> </u>
	GROUP	OC-12 CAPABLE LOOP STATE A	VERAGE				<u> </u>	1
34	LOADED	SD	30,537.4417965333		0.	257CS	CO NODE	OCNZones0502

	Α	В	С	D	E	F	G	Н
35	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	
36	LOADED	SD	2,999.9466536105		0.	85C	UNDERGROUND FIBE	iŘ
37	LOADED	SD	20,396.9305180157		0.	845C	BURIED FIBER	1
38	LOADED	SD	79.9468703282		0.	862C	BUILDING FIBER	}
39	LOADED	SD	380.8542208		0.	357C	ALTERNATE CO FDP	
40	GROUP	OC-48 CAPABLE LOOP ST	ATE AVERAGE					
41	LOADED	SD	128,010.679721833		0.	257CS	CO NODE	OCNZones0502
42	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	1
43	LOADED	SD	2,999.9466536105		0.	85C	UNDERGROUND FIBE	iR
44	LOADED	SD	20,396.9305180157		0.	845C	BURIED FIBER	
45	LOADED	SD	79.9468703282		0.	862C	BUILDING FIBER	
46	LOADED	SD	380.8542208		0.	357C	ALTERNATE CO FDP	

	Α	В
1	Parameter	
2	SD	
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5	Monthly	12
6	Yes	
7	No	
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	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N
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2	02SD01E						3		1		:	1		
3	357C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
4	257C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
5	257CP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
6	257CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
7	257CSP	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
8	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
9	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
10	1C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
	3C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
12	4C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
13	5C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
	35C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
15	42C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
16	45C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
17	52C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
18	62C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
19	85C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
20	845C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
21	862C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST
22	357CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST

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3	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
4	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
5	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
6	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
7	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
8	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
9	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
10	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
11	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
12	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
13	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	<b>EXTERN</b>	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
14	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
15	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
16	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
17	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
18	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
19	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
20	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
21	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC
22	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL	BC

	A	В	С	D	Е	F	G	Н	[	J	К	L	М
1	ACFOUT	Factors Fo	r: Interconr	nection					:		:	!	į.
2	-Run Don	e With Databa	ase Vintage: 0	02SD01E, Da	ted: 04/08/02								1
3	-Wholesa	le Cost Progr	am (TELRIC)	Data Base re	leased 04/02 (	02SD01E).						1	:
4	-Factors	loaded from F	actors Model	(Expense M	odule), Versio	n 02V1.							
5	-CAPITAL	RECOVERY	factors releas	sed 04/02 and	d based on 10	.14% Cost			<u> </u>				· i
6	Of Mone	y. No 1-10 ye	ar factors dev	eloped.							i • • • • • • • • • • • • • • • • • • •	: 	
7	-MAINTE	NANCE factor	s released 02	/02.									
8	-RTU fact	tors released	02/01.									! !	
9	-AD VAL	OREM Tax rel	eased 02/02.						<u>.</u>	; ;			: ;
10	-DIRECTI	LY ASSIGNED	expense fact	tors released	04/02.				L		ļ		
11	-BUSINE	SS FEES relea	ased 04/02.								ļ		: 
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41	357C	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	257C	0.109717	0.045455	0.017189	0.010529	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	257CP	0.109717	0.045455	0.017189	0.010529	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	257CS	0.109717	0.045455	0.017189	0.010529	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45	257CSP	0.109717	0.045455	0.017189	0.010529	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
46	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
47	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
48	1C	0.122572	0.036893	0.013952	0.002946	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
49	зс	0.274000	0.091689	0.034674				1		0.011877					
50	4C	0.021443	0.064600	0.024429	0.007242	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
51	5C	0.090987	0.056203	0.021254	0.030615	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
	35C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
53	42C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
54	45C	0.060902	0.057059	0.021578	0.052623	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
55	52C	0.105201	0.054376	0.020563	0.111075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
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60	357CS	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742

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#### Read Me File

To generate the NAC investment results found in this study do as follows:

- 1) Open the version of the NAC model found on the Study Summary Sheet, OCNZONES0502.
- 2) Go to TAB "WINPC3 Parameters". In cell "G2" enter the State abbreviation for the State you wish t
- 3) On the TAB "WINPC3 Parameters", click the "Click to Erase WINPC3 Investments" button. By doir erase the Investments from the cells in TAB "Zone Investments for WINPC3".
- 4) On the TAB "START", click the "Study Selection" button and choose the study you want to run.
- 5) On the TAB "START", click the "Run" button. By doing so will run the investments for your study so The investments will be copied into the cells in the TAB "Zone Investments for WINPC3" and the TAB "WINPC3 Investments" for all the other elements.
- 6) For your Study Selection, go to the TAB "Zone Investments for WINPC3", copy the investments into a workbook and run the "Wholesale Cost Model". (See documentation for running the "Wholesale Cost Model")
- 7) Cost results will be displayed in the TAB "WINPC3 Output" in the Wholesale Cost Model".

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# EXECUTIVE SUMMARY CRIS CUSTOMER BILLING AND COLLECTION 2002 RECURRING COST STUDY CATEGORY 11

**SOUTH DAKOTA** 

**MAY 2002** 

**STUDY ID 6432** 

#### **READ ME FILE**

#### **CATEGORY 11**

#### **SOUTH DAKOTA SGAT, MAY 2002**

#### STUDY #6432

#### Models Used In This Study

Wholesale Cost Program – Version 2.08 Cost Factors Model (TELRIC) – 02V1

#### Files and/or Workbooks In This Study

**Category 11, May 2002.DOC** = Document that includes the title page, read me file, table of contents, and executive summary.

Category 11, May 2002. XLS = Workbook that contains the calculation of the unit cost and input source data. [Tabs: WINPC3 - Study Summary; WINPC3 Output; Total Product Costs; Investment Cost Calc; WINPC3 Investments; WINPC3 Parameters WINPC3 ACF Inputs; WINPC3 ACF Outputs; Cat 11 labor; 11-50 Record Elimination; Record Media; Billing; Record Volumes; Record Vols – 5 Year Levelized; MCR Count, Hours; Programming Hours; 11-50 Elinimation Inv&Exp; Tape Count, Rate; and COMET Inv,Exp].

#### To Generate The Cost Results Found In This Study

Values from the "Cat 11 Labor", "11-50 Record Elimination", "Record Media" and "Billing" tabs within <u>Category 11</u>, <u>May 2002.XLS</u> must be input into the "WINPC3 Investments" tab of <u>Category 11</u>, <u>May 2002.XLS</u>.

These inputs flow through to produce the costs found on the "WINPC3 Output" tab. (Note: State name must remain the same otherwise the Wholesale Cost Program must be rerun.

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#### A. PURPOSE, SCOPE, AND APPLICATION

The purpose of this study is to identify the 2002 Category 11 cost per record. The cost estimates developed herein are appropriate to Qwest operations.

#### **B. DESCRIPTION OF ELEMENTS AND SERVICES**

Category 11 Records are Exchange Message Records (EMR) which provide mechanized record formats that can be used to exchange access and transit usage information between Qwest and CO-PROVIDERS.

#### C. STUDY METHODOLOGY

The methodology used in this study is to identify the labor, 11-50 record elimination, record media and billing costs associated with Category 11 Records.

Appropriate cost factors were then applied to develop the total cost per unit.

## D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

**Investment-Based Costs and Other Element-Specific Expenses** are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

Total Element Long Run Incremental Costs (TELRIC) represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other

Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

**Fully Allocated Costs** represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

# **E. STUDY ASSUMPTIONS**

F. Study Summary

Study Name	2002 CATEGORY 11	
Study Requester	D. Gollehon	
Type of Study	TELRIC	
Study ID	6432	
Cost Factor Group	Interconnection	
Cost Luctor Group	The Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confiden	
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Study Applications		
Study 1xppileations		
Completion Date	May 20, 2002	
Cost Analyst	Deborah Taylor	
Study Review	Reviewer	Date
Study Review	Reviewer	May 20, 2002
		1114 20, 2002
Models Used	Model	Version
Wiodels Osed	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02VI
	Cost 1 delors model (122MC)	UZ VI
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		V-78-4-12
Cost Factors Used	Factor	Effective Date
Cost Lactors esca	Capital Recovery	04/02
	Maintenance	02/02
	Ad Valorem	02/02
	Power	01/01
	Sales Tax	01/01
	Interest During Construction	01/01
	Telco	01/01
	Marketing Factors	04/02
	Other Direct Expenses	04/02
	Common	04/02
V		
***		
	Cost Of Money	10.14%
i e	10000 01 2720100 9	10.17.0
Inflation	<u> </u>	
Inflation Major Cost Drivers		

Parameter File: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.xis, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 6 Costs Format: Annual Group Totals: Yes

ACF Input: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.xls, Sheet "WINPC3 ACF Inputs"

ACF Output: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.xls, Sheet "WINPC3 ACF Outputs"

Investment: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.xls, Sheet "WINPC3 Investments"

Output: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.xls, Sheet "WINPC3 Output"

State: South Dakota

				Invst.		Other			
		Loaded	Direct	Based &	Network	Direct			TELRIC +
Description	USOC	Investment	Expense	Mktg.	Support	Expenses	TELRIC	Common	Common
Category 11 Cost per Record		\$0.000283	\$0.001072	\$0.001177	\$0.000058	\$0.000320	\$0.001498	\$0.000107	\$0.001604

	15/20/0ء ـ ــ 14 AM			
low	South Dakota	Source or Calculation	Factor Value	Category 11 Cos per Record
			A	В
1	Investment	si r"Total" cD		0.000283
2	•			
3	Investment Based Costs	si r"Totai" cK		0.000068
4				
	Direct Expenses			0.001072
6	Miscellaneous Expenses			0.000000
7	Billing & Collection - PL			0.000000
8	Total Investment Based + Billing & Collection			0.001139
9				
10	Marketing & Business Fees			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.000023
12	Sales Expense	cA*(r8-r6)	0.011877	0.000014
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.000000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.000002
15	Marketing & Business Fees Total	Sum r11:r14		0.000038
16	1			
17	Sub-Total Invst., B & C, Mktg	r8 + r15		0.001177
18				
19	Other Direct Expenses			
20	Network Operations	cA*(r17-r6)	0.034832	0.000041
21	Network Support Assets	cA*(r17-r6)	0.014703	0.000017
22	General Support Assets	cA*(r17-r6)	0.088742	0.000104
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.000051
24	Uncollectible	cA*(r17-r6)	0.003786	0.000004
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.000009
	Human Resources Expense	cA*(r17-r6)	0.008294	0.000010
	Information Management Expense	cA*(r17-r6)	0.070887	0.000083
	Intangibles	cA*(r17-r6)	0.000000	0.000000
	Total Other Direct Expenses	Sum r20:r28		0.000320
30	· ·			
	TELRIC	r17 + r29		0.001498
32				
33	3 Common			
	Executive Expense	cA*(r31-r6)	0.011267	0.000017
	5 Planning Expense	cA*(r31-r6)	0.000525	0.000001
	External Relations Expense	cA*(r31-r6)	0.037846	0.000057
	Legal Expense	cA*(r31-r6)	0.004717	0.000007
	3 Other Procurement Expense	cA*(r31-r6)	0.001860	0.000003
	Research & Development Expense	cA*(r31-r6)	0.000006	0.000000
	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.000023
	Common Costs	Sum r34:r40		0.000107
42				2.230101
	3 TELRIC + Common Costs	r31 + r41		0.001604

5/20/02 South D					2002 CATEGO	RY 11				
<u>Acct</u>	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	<u>Ad Valorem</u>	<u> Maintenance</u>	<u>Switch RTU</u>	Total Capital Costs
Catego	ory 11 Co	ost per Record								
2124	2124	General Purpose Computers	0.000162	0.000027	0.000008	0.000003	0.000002	0.000000	0.000000	0.000039
2124	2124	General Purpose Computers	0.000109	0.000018	0.00005	0.000002	0.000001	0.000000	0.000000	0.000026
2124	2124	General Purpose Computers	0.000012	0.000002	0.000001	0.000000	0.000000	0.000000	0.000000	0.000003
		Total	0.000283	0.000047	0.000013	0.000005	0.000003	0.000000	0.000000	0.000068

	A	В	С	D	Е	F	G	Н
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4	GROUP	Category 1	1 Cost per Record					Source
5	COMMON	SD	0.0001054855		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2000 Labor - Category 11	[ Tab Cat 11 Labor]
6	]EFI	SD	0.0001522592			2124	2002 11-50 Record Elimination Investment	[ Tab 11-50 Record Elimination]
7	COMMON	SD	0.0002154943				2002 11-50 Record Elimination Expense	[ Tab 11-50 Record Elimination]
8	EFI	SD	0.0001021004			2124	2002 COMET Investment	[ Tab Record Media]
9	COMMON	SD	0.0007249914				2002 Tape & COMET Expense	[ Tab Record Media]
10	LOADED	SD	0.0000122557			2124	2000 CRIS Billing Investment (Lexcis Billing)	[ Tab Billing]
11	COMMON	SD	0.0000255327				2000 CRIS Billing Expense (Lexcis Billing)	[ Tab Billing]

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2	-Run Doi	e With Datab	ase Vintage: 0	2SD01E, Da	ted: 04/08/02								
3	-Wholesa	ile Cost Progr	am (TELRIC)	Data Base re	leased 04/02	(02SD01E).				) : •	l	! !	
4	-Factors	loaded from F	actors Model	(Expense M	odule), Versid	n 02V1.							
5	-CAPITA	L RECOVERY	factors releas	sed 04/02 and	d based on 10	.14% Cost				:		;	
6	Of Mone	y. No 1-10 ye	ar factors dev	eloped.								:	
7	-MAINTE	NANCE factor	rs released 02	/02.		i +						!	
8	-RTU fac	tors released	02/01.				,						
9	-AD VAL	OREM Tax rel	eased 02/02.									!	
10	-DIRECT	LY ASSIGNED	expense fact	tors released	04/02.					: !			ļ
11	-BUSINE	SS FEES relea	ased 04/02.							:			.,
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# Mechanized Change Request (MCR) Labor

154 MCRs (annual)

6 Average Labor Hours per MCR (first level management)

\$60.49 Hourly Labor Rate ( Acct 6724.1)

Number of MCRs		Labor Hrs per MCR		MCR Labor Hrs		Hourly Labor Rate		MCR Labor Expense
154	*	6	=	924	*	\$60.49	=	\$55,892.76

# **Programming Labor**

387.5	Adding New Customers Annual Labor Hours
1,183.0	Changing Outgoing Type of Transmission Annual Labor Hours
1,570.5	Total Programming Annual Labor Hours

\$60.49 Hourly Labor Rate (Acct 6724.1)

Programming Labor Hours				Annual Programming Labor Expense
1,570.5	*	\$60.49	=	\$94,999.55

Annual

### **Total Annual Labor Expense**

Annual MCR Labor Exp		Annual Programming Labor Exp		Total Annuai Labor Expense		Annual CAT 11 Records		Annual Labor Expense per Record
\$55,892.76	+	\$94,999.55	=	\$150,892.31	1	1,430,455,340	=	\$0.000105

Note: Number of MCRs, MCR labor hours and Programming labor hours are 2001 actuals and are assumed to be constant through 2002.

Source: Qwest Information Technologies and Factors Group

Number of MCRs and Labor Hours per MCR [MCR Count, Hours TAB - Cell A31 and Note 2]

Programming Labor Hours [Programming Hours TAB - Cell C17, F17 and G17]

Annual CAT 11 Records [Record Volumes TAB - Cell E12]

Due to an industry standard change pertaining to the elimination of 11-50 summary records, Qwest is incurring the following expenses on behalf of this product.

	2124 Investment	
Meet Point Billing (MPB) Option 1	\$92,360.00	
Wireless Option 2	\$125,440.00	
TOTAL Capital Investment	\$217,800.00	
	/ 1,430,455,340	Levelized CATEGORY 11 Records
2124 Capital Investment per Record	\$0.000152	
	One Time Expense	
MPB Option 1	\$988,977.11	
Wireless Option 2	\$175,384.68	
TOTAL Expense	\$175,384.68 \$1,164,361.79	
		NPV Annual CATEGORY 11 Records

Source: Qwest Information Technologies (CRIS & IABS Architects)

MPB and Wireless Investment and Expense [11-50 Elimination Inv&Exp TAB - Cells C21, E21, G21, C12, E12 and G12]

Levelized Annual CATEGORY 11 Records [Record Vols - 5 Year Levelized TAB - Cell N14]

NPV CATEGORY 11 Records [Record Vols - 5 Year Levelized TAB - Cell L14]

# **Tape Distribution**

\* \$75.00 Rate per Tape

\$972,900.00 Annual Tape Expense
/ 752,206,387 Annual CATEGORY 11 Records (Access Records)

\$0.001293 Tape Expense per Record

# **COMET - Internet**

Investment (Acct 2124 - E,F,&I)

\$146,050.00 / 678,248,953 Levelized CATEGORY 11 Records (Transit Records)

\$0.000215 COMET Investment per Record

# **Maintenance Expense**

\$60.49 Hourly Labor Rate (Acct 6724.1)

\$64,167.79 Annual Maintenance Expense
678,248,953 Annual CATEGORY 11 Records (Transit Records)

\$0.000095 COMET Expense per Record

It is assumed that CATEGORY 11 - Access records will be distributed using the tape media and CATEGORY 11 - Transit records will be distributed using the COMET - Internet media.

			% to Total					
Annual Access Records	752,206,387		52.6%					
Annual Transit Records	678,248,953		47.4%					
Annual CATEGORY 11 Total								
Records	1,430,455,340							
Weighted Tape & COMET - Internet								
Таре								
Expense/Record	\$0.001293	*	52.6%	=	\$0.000680			
COMET - Internet								
2124 Inv/Record	\$0.000215	*	47.4%	=	\$0.000102			
212711071100010	φοιοσο <u>υ</u> το		11170		φοισσο τοΣ			
Expense/Record	\$0.000095	*	47.4%	=	\$0.000045			
2124 - Capital Investme	nt per Record		\$0.000102					
Total Expense per Reco	ord		\$0.000725					

Source: Qwest Information Technologies

Tape Distribution rate per tape and annual tapes [Tape Count,Rate TAB = Cells G11 and D169]

COMET-Internet investment and expense [COMET Inv,Exp TAB - Cells E9 and D19]

Annual CATEGORY 11 Records (Access and Transit) [Record Volumes - Cells E8 and E10]

Levelized CATEGORY 11 Records (Transit) [Record Vols - 5 Year Levelized TAB - Cell N12]

MESSAGE TOLL SERVICE: QWEST COST RESULTS FOR MODEL INPUT

**FACTORS INCLUDED: NONE** 

STUDY YEAR: 2000 - QW WHOLESALE MTS - CRIS (DA AND OPR. SVCS.)

Class of Service: MTS per Message		<u>MESSAGE</u>
Toll Data Entry		
	INVESTMENT	\$0.000002
	EXPENSE	\$0.000004
Toll Message Rating		
-	INVESTMENT	\$0.00003
	EXPENSE	\$0.00006
Customer Billing		
-	INVESTMENT	\$0.000007
	EXPENSE	\$0.000015
TOTAL ABOVE ELEMENTS		
	INVESTMENT	\$0.000012
•	EXPENSE	\$0.000025
Collections		
	INVESTMENT	\$0.000000
	EXPENSE	\$0.00001
TOTAL ALL ELEMENTS		
	INVESTMENT	\$0.000012
	EXPENSE	\$0.000026

# Notes:

- 1. This investment and expense is being used as a surrogate for Lexcis Billing of Category 11 Records.
- 2. The investment account is 2124.

**CATEGORY 11 Projected 2002 Annual Records** 

Access

752,206,387

Transit

678,248,953

TOTAL

1,430,455,340

Source: Lexcis Billing Group and Information Technologies

### 2001 Annual CATEGORY 11 - Access Record Count

	Jan-Dec 2001
	Total Actual
QWEST	Access Records
Arizona	106,571,321
Colorado	117,218,038
lowa	29,020,382
Idaho	3,515,639
Minnesota	72,036,072
Montana	6,419,149
North Dakota	17,155,380
Nebraska	63,573,485
New Mexico	22,114,111
Oregon	60,635,243
South Dakota	29,774,382
Utah	48,752,147
Washington	170,329,067
Wyoming	5,091,971
2001 Annual Total	752,206,387

Note: Per product manager, 2001 volumes are constant through 2006.

Source: CRIS Regional Report, Lexcis Billing Group

### 2001/2002 Annual CATEGORY 11 - Transit Record Count

•	2001/2002 Ailitaar O	AILGOITI II - Hallsit Hecola Coall	•	
2002 Annual CATEGORY 11 - Wireline Trans	sit Record Count	2001 Annual CATEGORY 11 -	Wireless Transit Record Count	2002 Projected Annual CATEGORY 11-Ttl Transit Records
Citizens - NE	0			
Citizens - ND	0			
Carbow/Emery - UT	10			
Hanksville Telecom Inc UT	0			
UBET Telcom, Inc UT	1,208			
Union Telephone Co SD	0	Daily Usage extracted from XR	J00243 - IABS to EWC CRIS	
Project Mutual Telephone - ID	7,042			
Mid-Rivers Telephone - MT	642			
Triangle Telephone - MT	2			
Central Utah Telephone - UT	0			
Manti Telephone Co UT	389			
Skyline Telecom - UT	0			
All West Communications, Inc UT	0			
Val-Ed Joint Venture L.L.P ND	885	QWEST		
Central Montana Communications - MT	3	Daily Totai		
Val-Ed Joint Venture L.L.P MN	14,564			
Dakota Communications - MN	0	4,015,451		
Mc Leod USA Tel Svcs - MN	398,159	2,226,421		
Northern Valley Communications - SD	2,154	1,738,448		2002 Projected
Dakota Telecommunications, Inc SD	0	* 1,684,746		Annual Qwest 678,248,953
Goldfield Access Network, L.C IA	0	3,658,387		
Electric Lightwave - OR	800,128	1,736,272		
Electric Lightwave - WA	790,061	15,059,725	6 Day Total	Note: Per product management, 2002 volumes
Electric Lightwave - AZ	429,933			constant through 2006.
Electric Lightwave - UT	86,358	2,509,954	Daily Average	
International Telcom, Ltd WA	327,239	255	2001 Processing Days	
All-Tel-Nebraska - NE	155,794	640,038,313	2001 Projected Annual	
Electric Lightwave - ID	152,695		Wireless Transit	
Mc Leod Telecom Svcs - MN	0			<u></u> _
Saddleback Communications - AZ	0	Note: Per product manageme	ent, 2001 volumes constant through 200	6.
Ottertail Telcom, L.L.C MN	16,954			
(Jan. 2002) Total Month	3,184,220			•

Note: Per product management, 2002 volumes constant through 2006.

38,210,640

Source: CRIS Regional Report, Lexcis Billing Group

2002 Projected Annual Wireline Transit

Source: XRU00243 - IABS to EWC CRIS, Information Technologies

CATEGORY 11 Projected Annual Records (5 Years)								Levelized	
		Year 1	Year 2	Year 3	Year 4	Year 5	Net Present Value	Annual Calls	
Access		752,206,387	752,206,387	752,206,387	752,206,387	752,206,387	2,841,284,945	752,206,387	
Transit		678,248,953	678,248,953	678,248,953	678,248,953	678,248,953	2,561,927,911	678,248,953	
то	OTAL 1,	430,455,340	1,430,455,340	1,430,455,340	1,430,455,340	1,430,455,340	5,403,212,856	1,430,455,340	

# **NPV and Levelizing Factors**

Discount Rate 10.14% Period (years) 5

Note: Product management assumes the projected 2002 annual record volumes are constant through 2006.

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Donna Craig 1/29/02 11:31

To: Lynda Uleman/GROUPWARE/USWEST/US@USWEST, Mark

Holling/GROUPWARE/USWEST/US@USWEST

cc: dlvogel@uswest.com

Subject: MCR counts

Hi Lynda,

I did a three year analysis for the number of URs/MCRs that were prepared for ILEC and CLEC requests. I thought you could build a case for increased volumes. It appears that the average over the last two years is about 30% Legacy and 70% Streamline (SFT).

1999 = egacy =

Legacy = 38 or 42% SFT = 52 or 58% Total =90

2000

Legacy = 41 or 31% SFT = 92 or 69% Total = 133

2001

Legacy = 45 or 29% SFT =109 or 71% **Total =154** 

### NOTES:

- 1. Per product management, use 2001 actual MCR count for 2002 projected amount.
- 2. Based on a conversation between product management and D. Vogel (Information Technologies), the estimated labor time to work a MCR is 6 hours for a first level manager.

# Implementation Effort for a CLEC/ICO/Wireless MCRs

	Adding New Customers	Changing Outgoing Type of Transmission
Streamline Team		
Central	46.0	37.0
Eastern - Full Status	41.5	26.5
Eastern - Shared Status	31.0	23.0
Western	63.0	40.5
Legacy Team		
Central	206.0	0.0
Eastern	0.0	1056.0
Western	0.0	0.0
TOTAL PROGRAMMING		
LABOR HOURS	387.5	1183.0

Source: Qwest Information Technologies

Streamline Team - M. Schmaltz, Mgr Software Development Legacy Team - S. Steffen, Mgr Software Development

Note: Programming labor hours are 2001 actuals and are assumed to be constant through 2002. Work is done by first level manager.

STREAML	INE Team:	E	ffort (in hours)		
Region	<u>Functionality</u>	Development	Management	Legacy	<u>TOTAL</u>
Central	Adding New Customers Changing Outgoing Type	34.0	7.0	5.0	46.0
	of Transmission	27.5	5.5	4.0	37.0
Eastern	Adding New Customers (Full Status)	31.0	6.0	4.5	41.5
	Changing Outgoing Type of Transmission (Full Status)	19.5	4.0	3.0	26.5
	Adding New Customers (Shared Status) Changing Outgoing Type	23.0	4.5	3.5	31.0
	of Transmission (Shared Status)	17.0	3.5	2.5	23.0
Western	Adding New Customers Changing Outgoing Type	47.0	9.0	7.0	63.0
	of Transmission	30.0	6.0	4.5	40.5

This information was provided by M. Schmaltz, Mgr. Software Development, Information Technologies and represents the 2001 actual labor hours (for these functions) done by the Streamline team. Work done by first level managers.

LEGACY Te	eam:	Effort (in hours)			
Region	<u>Functionality</u>	Development	<u>Management</u>	<u>TOTAL</u>	
Central	Adding New Customers Changing Outgoing Type of	206.0	0.0	206.0	
	Transmission	0.0	0.0	0.0	
Eastern	Adding New Customers Changing Outgoing Type of	0.0	0.0	0.0	
	Transmission	1056.0	0.0	1056.0	
Western	Adding New Customers Changing Outgoing Type of	0.0	0.0	0.0	
	Transmission	0.0	0.0	0.0	

This information was provided by S. Steffen, Mgr. Software Development, Information Technologies and represents the 2001 actual labor hours (for these functions) done by the Legacy team. Work done by first level managers.

Total

1570.5

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# **UR1510 Options OOM Total**

	MPB Option 1	Wireless Option 2	Total
EXPENSE DOLLARS (1 Time)			
E-CRIS	\$93,023.55	\$124,031.40	
C-CRIS	\$0.00	\$12,403.14	
W-CRIS	\$49,612.56	\$12,402.14	
T-CRIS	\$142,636.11	\$148,836.68	
IABS	\$846,341.00	<i>\$26,548.00</i>	
EXPENSE TOTAL (CRIS&IABS)	\$988,977.11	\$175,384.68	\$1,164,361.79
CAPITAL DOLLARS			
E-CRIS	\$0.00	\$35,840.00	
C-CRIS	\$0.00	\$53,760.00	
W-CRIS	\$0.00	\$35,840.00	
T-CRIS	\$0.00	<i>\$125,440.00</i>	
IABS	\$92,360.00	\$0.00	
CAPITAL TOTAL (CRIS&IABS)	\$92,360.00	\$125,440.00	\$217,800.00

Source: Qwest Information Technologies (CRIS & IABS Architects)

# **Current Data Center Cost To Create And Distribute Tape Data**

Core Data Centers	1	Monthly Mail	out Tape:	S	Total Monthly Cost
Bellevue Data Center Denver Data Center	•	824 Tapes 680 Tapes			\$61,800 \$51,000
Omaha Data Center Salt Lake Data Center		1136 Tapes 288 Tapes			\$85,200 \$21,600
	Total	2,928		Γotal	\$219,600
	\$219,600	1	2,928	=	\$75.00 per tape

Based on \$75.00 per tape loaded.

The above information (tape cost) was provided to product management by V. Hoggarth, Information Systems Engineer II Qwest Information Technologies.

# **CATEGORY 11 - Access Record Tape Count**

The below information (Category 11 - Access tape count) was provided to product management by V. Hoggarth, Information Systems Engineer II, Qwest Information Technologies.

CIC Code	Company	DATA	# OF	Market
		CENTER	TAPES	Unit
937	Access Long Distance	Omaha	1	WLM
	Ace Telephone	Omaha	5	WLM
	Aliant Communications	Omaha	53	WLM
	Alltel Publishing	Omaha	5	WLM
5045	Alltell/Atis	Denver	5	WLM
	Ameritech Comm.	Omaha	2	WLM
A02	AT & T	Denver	1	WLM
	AT &T Easy Link Svcs.	Omaha	1	WLM
W02	Betti Burke	Denver	21	WLM
	Blackduck Telephone	Omaha	9	WLM
	BlackHawk County	Omaha	1	WLM
	Blue Earth Tele.	Omaha	4	WLM
	Breda Telphone Co.	Omaha	1	WLM
P05	Brooks Fiber Communications	Denver	1	WLM
	Brooks Fibre Comm.	Omaha	31	WLM
	Cannon Valley Telcom	Omaha	1	WLM
	Cascade Utilities	Omaha		WLM
	Citizens Comm.	Omaha	5	WLM
	Citizens Muti	Omaha	1	WLM
2172	Citizens Processings - C/O Frontier Comm.	Denver	3	WLM
	Citizens Telecom of Oregon	Omaha		WLM
	Clear Lake Indep. Tele.	Omaha	1	WLM
	Comm Data Group	Omaha		WLM
	Consolidated Comm. (IL)	Omaha	1	WLM
	Consolidated tel. (Brainerd,Mn.)	Omaha	9	WLM
	Consolidated Telephone	Omaha	9	WLM
	Convergent Comm.Inc.	Omaha	20	WLM
C12	Convergent Communications	Denver	1	WLM
	Crosslake Telephone	Omaha	9	WLM
	CSI-NIB	Omaha		WLM
	Dakota Cooperative telecom.	Omaha	9	WLM
	Dunkerton telephone Coop	Omaha	9	WLM
	East Buchanan Tel Coop	Omaha	1	WLM
	East Ottertail Telephone	Omaha	9	WLM
E03	Electric Lightwave INC.	Denver	1	WLM

	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Omaha		WLM
		Omaha	26	WLM
		Omaha	1	WLM
	1 /	Denver	41	WLM
1411	Eschelon Telecom of AZ	Denver	3	WLM
752	Excel Telecommunications	Omaha	2	WLM
	Frontier (Green Way, WI)	Omaha	4	WLM
	Frontier (Minnetonka,MN)	Omaha	28	WLM
444	Frontier Com.Svc. (Rochester)	Omaha	22	WLM
		Omaha	8	WLM
444	Frontier Information	Omaha	47	WLM
	Frontier/MN (Rochester,ny)	Omaha	41	WLM
	Garden Valley Company	Omaha	9	WLM
8465		Denver	9	WLM
	Grand River Mutual Telephone	Omaha	1	WLM
	Great Plains Comm	Omaha	9	
0540				WLM
8540	Great West Services	Denver	6	WLM
	GTE (Directories Corp.) (TX)	Omaha	16	WLM
	Hamilton Telephone	Omaha	1	WLM
	Heart of Iowa	Omaha	1	WLM
	Heartland Tele. of Iowa	Omaha	19	WLM
	Hector Communications	Omaha	18	WLM
	Hutchinson Telephone	Omaha	1	WLM
	ILD TeleSvcs. Inc.	Omaha	4	WLM
05/402/903	Integretel	Omaha	26	WLM
4544	InterMedia Comm INC.	Denver	2	WLM
	Interstate Telephone Coop	Omaha	10	WLM
	IXC/Sw.Comm.	Omaha	4	WLM
	James Valley Coop	Omaha	9	WLM
	Jefferson Telephone Com.	Omaha	1	WLM
	Kalona Coop Telphone	Omaha	1	WLM
	Kasson Mantorville Telephone	Omaha	1	WLM
V05	Knight Communications INC.	Denver	1	WLM
KUJ	Lakedale Telephone	Omaha	9	WLM
		Omaha	2	WLM
34	Linn County	l		
Many cic	McCloud	SLC	25	WLM
	MCI - West Coast Data Center	Omaha	1	WLM
	MCI Worldcom	SLC	2	WLM
B01	MCI WorldCom ISCC Operations	Denver	1	WLM
	McLeod	Omaha	16	WLM
	McLeod	Omaha	49	WLM
	McLeod	Omaha	8	WLM
	Mcleod USA	Omaha	1	WLM
	McLeod USA Operations - Cedar Rapids, IA	Denver	2	WLM
	McLeod USA Operations - Mattoon, IL	Denver	2	WLM
	McLeod USA Operations -Champagne, IL	Denver	19	WLM
	Mid America Computer Comp.	Denver	43	WLM
		<del> </del>		
	Mid-America Computer Company	Omaha	55	WLM
1	Mid-America Computer Company  Midwest Data Service			WLM WLM
	Midwest Data Service	Omaha	7	WLM
	Midwest Data Service Midwest Telephone	Omaha Omaha	7 1	WLM WLM
M12	Midwest Data Service Midwest Telephone Minnesota Valley Telephone	Omaha Omaha Omaha	7 1 1	WLM WLM WLM
M12	Midwest Data Service Midwest Telephone Minnesota Valley Telephone Mountain Communications	Omaha Omaha Omaha Denver	7 1 1 1	WLM WLM WLM WLM
M12	Midwest Data Service Midwest Telephone Minnesota Valley Telephone Mountain Communications Mutual Telephone	Omaha Omaha Omaha Denver Omaha	7 1 1 1 2	WLM WLM WLM WLM WLM
	Midwest Data Service Midwest Telephone Minnesota Valley Telephone Mountain Communications Mutual Telephone Nextel Communications	Omaha Omaha Omaha Denver Omaha Omaha	7 1 1 1 2 1	WLM WLM WLM WLM WLM
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Shared Communications	maha         9           maha         1           maha         1           maha         9           maha         1           maha         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM WLM WLM
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South Central Comm. Inc.	maha         1           maha         9           maha         1           maha         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM WLM WLM
South Slope Coop Telephone	maha         9           maha         1           maha         1           enver         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM WLM WLM
Splitrock Telecom	maha         9           maha         1           maha         1           enver         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM WLM WLM
Sprint	maha         1           maha         1           enver         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM WLM WLM
Sprint Spectrum	maha         1           enver         1           maha         9           maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM WLM WLM WLM
S07         Stargate Communications         Defector           Sully Buttes Telephone Co.         Or           Switched Services Comm.         Or           5062         TDS - TELE & Data Systems         Defector           297/457         Telco Comm. Group Inc.         Or           Telehub Comm.         Or           899         Telephone Express/Vartec         Or           4143         Teligent         Defector           T11         Teligent Incarrier Service         Defector           T06         Tel-Link         Defector           T14         Telstar         Defector           T15         Touch America INC         Defector           Transaction Network         Or           U12         United States Tele Comm         Defector           VanBuren Telephone Company         Or	enver 1 maha 9 maha 2 enver 9 maha 1 maha 2 maha 3 enver 6	WLM WLM WLM WLM WLM WLM WLM
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Switched Services Comm.	maha         2           enver         9           maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM WLM
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297/457         Telco Comm.Group Inc.         On           Telehub Comm.         On           899         Telephone Express/Vartec         On           4143         Teligent         Do           T11         Teligent Incarrier Service         Do           T06         Tel-Link         Do           T14         Telstar         Do           T15         Touch America INC         Do           Transaction Network         On           U12         United States Tele Comm         Do           VanBuren Telephone Company         On	maha         1           maha         2           maha         3           enver         6	WLM WLM WLM WLM
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Transaction Network	enver 2	
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VanBuren Telephone Company O	enver 16	
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	maha 8	
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	maha	WLM
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	enver 6	
	maha	WLM
	maha 1	
	maha 2	
	maha 22	
	Denver 1	
	Omaha 19	
	Omaha 4	
Month	7	,081
THOTEL .	1 1	,
Annual Tape Count	1	2,972
CATEGORY 11 Records - Access		-y- · -

# **COMET - INTERNET MEDIA**

The following information was provided by Dennis Willson, Mgr. Software Development, Information Technologies in a phone conversation discussing COMET - Internet investments and expenses.

**2124 Capital Investment \$146,050.00** E,F&l'd

Annual expense would be maintenance labor provided by a first level manager. Estimated .6 of a first level manager annually.

# Calculation of Annual Maintenance Labor Hours:

40 hrs \* 52 weeks = 2,080 annual hours \* .85 productive time percent = 1,768 annual productive hrs \*

.6 percent of a first level mgr = 1060.8 annual maintenance hours

# NUATION

# **ICNAM – Interconnection CLEC Service SOUTH DAKOTA SGAT STUDY I.D. 6433**

**MAY, 2002** 

# Models Used In This Study:

LIDB Services Model 2000, v3.52 Wholesale Cost Program – Version 2.08 Cost Factors Model (TELRIC) – 02V1

# Files and /or Workbooks In This Study:

Title.Read Me.Contents.Exec Summary.DOC = Contains the following documents:

Title - Title page.

**Read Me** - Lists all models and files and/or workbooks used to develop this study.

Also, provides "how to" instructions for generating the cost results.

Contents - Table of Contents page.

Exec Summary - Executive Summary pages.

ICNAM-Interconnection (UCNAM, v3.2).XLS = Cost process that calculates the unit cost. Contains the following tabs:

WINPC3 - Study Summary
WINPC3 Output
Total Product Costs
Investment Cost Calc
Inputs
Network Summary
UCNAM
Summary
WINPC3 Investments
WINPC3 Parameters
WINPC3 ACF Inputs

WINPC3 ACF Outputs Investment Builder

invesiment builde

Source Data

# To Generate The Cost Results Found In This Study

Open LIDB Services Model 2000, v3.52 model, "LIDB Services Model 2000, v3.52" tab. Go to the <u>User Inputs</u> section (cell H36). Enter the number one (1) in cell H40. Cells H39, H41 to H 47 and H52 should all have a number zero (0) value. **SAVE** the file.

From the LIDB Services Model 2000, v3.52 model, "LIDB Services Model 2000, v3.52" tab, all 377C, 57C and 2681.4 (2124) investment values from cells F137 to F196 must be input into ICNAM-Interconnection (UCNAM, v3.2).XLS, "Investment Builder" tab in each of their corresponding sheets as "Material, Amount" on line 1. From each individual sheet the "Investment per Unit, Amount" on line 15 must be input into ICNAM-Interconnection (UCNAM, v3.2).XLS, "Inputs" tab.

From the LIDB Services Model 2000, v3.52 model, "LIDB Services Model 2000, v3.52" tab, all 357C, 357CS, 845C and 4C investment values and expense value from cells F145 to F189 and usage values from cells G137 to G196 must be input into ICNAM-Interconnection (UCNAM, v3.2).XLS, "Inputs" tab. Also, the ABSBH to Annual Factor, cell H71 must be input into ICNAM-Interconnection (UCNAM, v3.2).XLS, "Inputs" tab.

From the LIDB Services Model 2000, v3.52 model, "UCNAM Added Inv.s & Exp.s" tab, values from cells C18, C20, C27, C56, C59, C62, C73, C87, C91, C102 must be input into ICNAM-Interconnection (UCNAM, v3.2).XLS, "Inputs" tab.

These inputs flow through to produce the costs found in <u>ICNAM-Interconnection (UCNAM, v3.2).XLS</u>, "WINPC3 Output" tab. (Note: State name must remain the same otherwise the Wholesale Cost Program must be rerun.)

# **Table of Contents – ICNAM – Interconnection CLEC Service**

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# ICNAM – Interconnection CLEC Service

# SOUTH DAKOTA SGAT, I.D. 6433 MAY, 2002

#### A. PURPOSE

The purpose of this study is to estimate the 2002 long run incremental costs (LRIC) that Qwest will incur for provisioning ICNAM – Interconnection CLEC Service.

#### **B. DESCRIPTION**

ICNAM – Interconnection CLEC Service is a per query Switched Access Service. The query is assessed on all completed queries regardless of the output of the data. The query represents the transport from the Local Signaling Transfer Point (LSTP) to the Regional Signaling Transfer Point (RSTP) through the Message Relay Service (MRS) to the Service Control Point (SCP) and the actual retrieval of the data from the database. The query also is assessed on queries from the LSTP to the RSTP through the MRS then launched to another provider's SCP.

ICNAM – Interconnection CLEC Service allows a CLEC to query QWEST's Line Information database (LIDB) and secure the listed name information for the requested telephone number (calling number), in order to deliver that information to a CLEC's end users. The LIDB database contains current listed name data by working telephone number served or administered by Qwest.

#### C. STUDY METHODOLOGY

The costs are those which result from providing ICNAM – Interconnection CLEC Service. Included in the per query cost are the following:

- 1. LSTP hardware, LSTP software, LSTP to RSTP data link hardware and software, RSTP hardware, RSTP software, RSTP to MRS SCP data link hardware and software, RSTP to LIDB SCP data link hardware and software, LIDB SCP hardware and software, MRS SCP hardware and software.
- 2. Database costs and associated labor.

#### D. TOTAL ELEMENT LONG RUN INCREMENTAL COST

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are not embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

**Total Element Long Run Incremental Costs (TELRIC)** represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

Common Costs are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as general overhead costs.

Fully Allocated Costs represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

#### E. ASSUMPTIONS

- 1. Costs are based on a least cost scorched node scenario and represent the cost of fully replacing the network required to provision the service, beginning from the existing grid of network nodes used by Qwest today.
- 2. All network investments are forward-looking.
  - a. Switching and transport equipment and facilities are digital.
  - b. SONET is the forward-looking technology in the interoffice network.

F. Study Summary

Citarday Manage	ICMAM I CIEC	
Study Name	ICNAM - Interconnection CLEC	
Study Requester	D. Gollehon	
Type of Study	TELRIC	
Study ID	6433	
Cost Factor Group	Interconnection	
Study Applications		
<u></u>		
Completion Date	May 20, 2002	
Cost Analyst	Deborah Taylor	
Study Review	Reviewer	Date
. 100-10		May 20, 2002
Models Used	Model	Version
	Wholesale Cost Program	2.08
	Cost Factor Databases	02SD01E
	Cost Factors Model (TELRIC)	02V1
Cost Factors Used	Factor	Effective Date
Cost Factors Used	Capital Recovery	04/02
Cost Factors Used	Capital Recovery Maintenance	04/02 02/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem	04/02 02/02 02/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg	04/02 02/02 02/02 02/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors	04/02 02/02 02/02 02/02 04/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors Other Direct Expenses	04/02 02/02 02/02 02/02 04/02 04/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors	04/02 02/02 02/02 02/02 04/02
Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors Other Direct Expenses	04/02 02/02 02/02 02/02 04/02 04/02
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Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors Other Direct Expenses	04/02 02/02 02/02 02/02 04/02 04/02
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Cost Factors Used	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors Other Direct Expenses	04/02 02/02 02/02 02/02 04/02 04/02
Cost Factors Used  Inflation Major Cost Drivers	Capital Recovery Maintenance Ad Valorem COE Land & Bldg Marketing Factors Other Direct Expenses Common	04/02 02/02 02/02 02/02 04/02 04/02

Parameter File: H:\SLHILL-Team\OprServices\(UCNAM\) ICNAM - Interconnection CLEC\SD SGAT, May 2002\\ICNAM\-Interconnection (UCNAM, v3.2).xls, Sheet "WINPC3 Parameters"

State(s): SD

Database Vintage: 02SD01E Factors For: Interconnection Report Type: ICM Format

Decimal Places: 6
Costs Format: Annual
Group Totals: Yes

ACF Input: H:\SLHILL-Team\OprServices\(UCNAM) ICNAM - Interconnection CLEC\SD SGAT,May 2002\\CNAM-Interconnection (UCNAM, v3.2).xis, Sheet "WINPC3 ACF Inputs" ACF Output: H:\SLHILL-Team\OprServices\(UCNAM) \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdo

Output: H:\SLHILL-Team\OprServices\(UCNAM\) ICNAM - Interconnection CLEC\SD SGAT, May 2002\ICNAM-Interconnection (UCNAM, v3.2).xis, Sheet "WINPC3 Output"

#### State: South Dakota

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
ICNAM - Interconnection CLEC - per Query		\$0.001600	\$0.000291	\$0.000606	\$0.000030	\$0.000165	\$0.000771	\$0.000055	\$0.000826

	5/20/0 <sub>4</sub> . 16 PM			
Row	South Dakota	Source or Calculation	Factor Value	ICNAM - Interconnection CLEC - per Query
			A	В
<u></u>	Investment	sl r"Total" cD		0.001600
	Investment Based Costs	si r"Totai" cK		0.000296
4				
5	Direct Expenses			0.000291
6	Miscellaneous Expenses			0.000000
7	Billing & Collection - PL			0.000000
8	Total Investment Based + Billing & Colle	ction		0.000587
9				
	Marketing & Business Fees	4=4 = -01		
	Product Management Expense	cA*(r8-r6)	0.019957	0.000012
	Sales Expense	cA*(r8-r6)	0.011877	0.000007
	Product Advertising Expense	cA*(r8-r6)	0.000000	0.000000
	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6	0.001483	0.000001
15 16	Marketing & Business Fees Total	Sum r11:r14		0.000020
	Sub-Total Invst., B & C, Mktg	r8 + r15		0.000606
18				
19	Other Direct Expenses			
20	Network Operations	cA*(r17-r6)	0.034832	0.000021
21	Network Support Assets	cA*(r17-r6)	0.014703	0.000009
22	General Support Assets	cA*(r17-r6)	0.088742	0.000054
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.000026
24	Uncollectible	cA*(r17-r6)	0.003786	0.000002
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.000004
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.000005
27	Information Management Expense	cA*(r17-r6)	0.070887	0.000043
	Intangibles	cA*(r17-r6)	0.000000	0.000000
	Total Other Direct Expenses	Sum r20:r28		0.000165
30				*******
	TELRIC	r17 + r29		0.000771
32	Common			
		cA*(r31-r6)	0.011267	0.000009
	Executive Expense Planning Expense	cA*(r31-r6)	0.000525	0.000009
	External Relations Expense	cA*(r31-r6)	0.000325	0.000029
	Legal Expense	cA*(r31-r6)	0.037646	0.000029
	Other Procurement Expense	cA*(r31-r6)	0.004717	0.000004
	Research & Development Expense	cA*(r31-r6)	0.000006	0.000001
	Other General and Admin Expense	cA*(r31-r6)	0.000000	0.000000
	Common Costs	Sum r34:r40	0.010004	0.000012
42		***** IA4N4A		0.00000
	TELRIC + Common Costs	r31 + r41		0.000826

5/20/02 South Dakota			ICNAM - Interconnection CLEC								
Acct	FRC	Account Name	<u>Investment</u>	Depreciation	Cast Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs	
ICNA	1 - Interc	connection CLEC - per Query									
2 <del>44</del> 1	4C	Conduit System	0.000007	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000001	
2232.5	57C	Circuit Equipment - Other Analog Equipme	0.000018	0.000003	0.000001	0.000000	0.000000	0.000000	0.000000	0.000004	
2422.12,,	22 85C	Underground Cable - NonMetallic	0.000004	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000001	
2232.3	357C	Circuit Equipment - Other Digital Equipmer	0.000018	0.000002	0.000001	0.000000	0.000000	0.000000	0.000000	0.000004	
2232.3	357CS	Circuit - Other Digital Equipment (SONET)	0.000007	0.000001	0.000000	0.000000	0.000000	0.000000	0.000000	0.000002	
	377C	Digital Switch	0.001266	0.000138	0.000058	0.000022	0.000012	0.000013	0.000000	0.000242	
2212	Q O										
		Buried Cable - NonMetallic	0.000013	0.000001	0.000001	0.000000	0.000000	0.000000	0.000000	0.000002	
2212 2423.12,.		Buried Cable - NonMetallic Land	0.000013 0.000005	0.000001 0.000000	0,000001 0,000000	0.000000	0.000000	0.000000	0.000000	0.000002 0.000001	
2212	22 845C								0.000000		

Service:

**ICNAM - Interconnection CLEC** 

Jurisdiction:

SOUTH DAKOTA

2-Character Jurisdiction Abbreviation:

SD

**Product Group:** 

Interconnect

Cost Year:

2002

Study Date:

May, 2002

#### SECTION A

#### **QWEST UCNAM Added Investments and Expenses Summary**

Source: Source Data Tab

LIDB		
Capital per Query and Response	377C	\$ -
Expenses per Query and Response	Expense	\$ 0.000024
MRS		
Expenses per Query and Response	Expense	\$ 0.000051
ICNAM and CNAM including UCNAM		
Capital per Query and Response	377C	\$ -
Capital per Query and Response	377C	\$ -
Expenses per Query and Response	Expense	\$ 0.000215
Platform to LIDB Verification, LVAS, and AMATPS.		
Capital per Query and Response	357C	\$ 0.00000023
Expenses per Query and Response	Expense	\$ -
56kbps Data Links from the LIDB Platform to the RSTP		
Capital per Query and Response	357C	\$ 0.00000176
Expenses per Query and Response	Expense	\$ -
Expenses per Query and Response	Expense	\$ 0.00000002
Message Relay Service 56Kbps Links to the RSTP		
Capital per Query and Response	357C	\$ 0.00000014
Expenses per Query and Response	Expense	\$ -

# SECTION B

#### Investments

Source: Investment Builder Tabs, Source Data Tab

Investment per Octet or MS	377C	\$ 2.315936
MS per Call Attempt		0.155
STP Software		

LSTP Software

Investment per Octet or MS 377C \$ 0.036496 MS per Call Attempt 0.155

InterSTP Data Link Hardware				
Investment per Octet	Data Link	377C	\$	0.000128
	Data Link	57C	\$	0.000207
	Data Link	357C	\$	0.000069
	Data Link	357CS	\$	0.000031
	Data Link	845C	\$	0.000182
	Data Link	85C	\$	0.000023
	Data Link	4C	\$	0.000037
Octets per Call Attempt				118
InterSTP Data Link Software				
Investment per Octet				
Octets per Call Attempt		377C	\$	0.002456 118
RSTP Hardware			_	
Investment per Octet or MS		377C	\$	3.357931
MS per Call Attempt				0.077
RSTP Software		0770	\$	A 200107
Investment per Octet or MS		377C	Ф	0.392197 0.077
MS per Call Attempt				0.077
Data Link and MRS SCP Hardware Investment per Query (and Response)				
	RSTP Hardware	377C	\$	0.012075
	Data Link	57C	\$	0.019459
	Data Link	357C	\$	0.023755
	Data Link	357CS	\$	0.011389
	Data Link	845C	\$	0.012027
	Data Link	85C	\$	0.005925
	Data Link	4C	\$	0.010081
	SCP Hardware	377C	\$	1.185230
Queries per Call Attempt				0.907
RSTP - MRS SCP Data Link Software		0770	<b>e</b>	0.001000
Investment per Query (and Response)		377C	\$	0.231089 0.907
Queries per Call Attempt				0.907
MRS SCP Software		0404	•	
Investment per Query (and Response)		2124	\$	0.007
Queries per Call Attempt				0.907
RSTP Hardware			•	0.057001
investment per MS		377C	\$	3.357931 0.077
MS per Call Attempt				0.077
RSTP Software		377C	æ	0.392197
Investment per MS		3//0	\$	0.392197
MS per Call Attempt				0.077

RSTP Hardware	377C	\$	0.012350
Data Link	57C	\$	0.019900
Data Link	357C	\$	0.024294
Data Link	357CS	\$	0.011648
Data Link	845C	\$	0.012300
Data Link	85C	\$	0.006059
Data Link	4C	\$	0.010310
SCP Hardware	377C	\$	1.549948
			0.906
	377C	\$	0.236331
			0.906
	2124	\$	-
			0.906
	Data Link Data Link Data Link Data Link Data Link Data Link	Data Link 57C Data Link 357C Data Link 357CS Data Link 845C Data Link 85C Data Link 4C SCP Hardware 377C	Data Link         57C         \$           Data Link         357C         \$           Data Link         357CS         \$           Data Link         845C         \$           Data Link         85C         \$           Data Link         4C         \$           SCP Hardware         377C         \$

# SECTION C

Average Busy Season Busy Hour (ABSBH) to Annualize Investment Factor

Source: Source Data Tab

**Annualization Factor** 

3296

# **SOUTH DAKOTA**

# Network Investment (LSTP to RSTP to MRS to QWEST Database)

		Investment per Octet or MS or Query		Octets or MS per Query	· •		Annualization Factor	nnualized estment per Query
			Α	В		C=AxB	D	E=C/D
		"Ir	from: puts" Tab, Sec B	from: "Inputs" Tab, Sec B			from: "Inputs" Tab, Sec C	
1	LSTP Hardware							
	a. 377C	\$	2.315936	0.155	\$	0.359596	3296	\$ 0.000109
2.	LSTP Software							
	a. 377C	\$	0.036496	0.155	\$	0.005667	3296	\$ 0.000002
3.	InterSTP Data Link Hardware							
	a. 377C	\$	0.000128	118	\$	0.015127	3296	\$ 0.000005
	b. 57C	\$	0.000207	118	\$	0.024375	3296	\$ 0.000007
	c. 357C	\$	0.000069	118	\$	0.008132	3296	\$ 0.000002
	d. 357CS	\$	0.000031	118	\$	0.003626	3296	\$ 0.000001
	e. 845C	\$	0.000182	118	\$	0.021467	3296	\$ 0.000007
	f. 85C	\$	0.000023	118	\$	0.002730	3296	\$ 0.000001
	g. 4C	\$	0.000037	118	\$	0.004335	3296	\$ 0.000001
4.	InterSTP Data Link Software							
	a. 377C	\$	0.002456	118	\$	0.289483	3296	\$ 880000.0
5.	RSTP Hardware							
	a. 377C	\$	3.357931	0.077	\$	0.258974	3296	\$ 0.000079
6.	RSTP Software							
	a. 377C	\$	0.392197	0.077	\$	0.030247	3296	\$ 0.000009
7.	Data Link and MRS SCP Hardware							
	a. 377C	\$	0.012075	0.907	\$	0.010949	3296	\$ 0.000003
	b. 57C	\$	0.019459	0.907	\$	0.017643	3296	\$ 0.00005
	c. 357C	\$	0.023755	0.907	\$	0.021539	3296	\$ 0.000007
	d. 357CS	\$	0.011389	0.907	\$	0.010327	3296	\$ 0.000003
	e. 845C	\$	0.012027	0.907	\$	0.010905	3296	\$ 0.000003
	f. <b>85</b> C	\$	0.005925	0.907	\$	0.005372	3296	\$ 0.000002
	g. 4C	\$	0.010081	0.907	\$	0.009141	3296	\$ 0.000003
	h. 377C	\$	1.185230	0.907	\$	1.074632	3296	\$ 0.000326
8.	RSTP - MRS SCP Data Link Softwar							
	a. 377C	\$	0.231089	0.907	\$	0.209525	3296	\$ 0.000064

#### **SOUTH DAKOTA**

# Network Investment (LSTP to RSTP to MRS to QWEST Database)

		estment per tet or MS or Query	Octets or MS per Query	lnv	estment per Query	Annualization Factor	1	nnualized estment per Query
	*In	A from: puts" Tab, Sec B	B from: "Inputs" Tab, Sec B		C=AxB	D from: "Inputs" Tab, Sec C		E=C/D
9. MRS SCP Software								
a. 2124	\$	-	0.907	\$	-	3296	\$	-
10. RSTP Hardware								
a. 377C	\$	3.357931	0.077	\$	0.258790	3296	\$	0.000079
11. RSTP Software								
a. 377C	\$	0.392197	0.077	\$	0.030226	3296	\$	0.000009
12. Data Link and LIDB SCP Hardware								
a. 377C	\$	0.012350	0.906	\$	0.011192	3296	\$	0.000003
b. 57C	\$	0.019900	0.906	\$	0.018034	3296	\$	0.000005
c. 357C	\$	0.024294	0.906	\$	0.022016	3296	\$	0.000007
d. 357CS	\$	0.011648	0.906	\$	0.010555	3296	\$	0.000003
e. 845C	\$	0.012300	0.906	\$	0.011146	3296	\$	0.000003
f. 85C	\$	0.006059	0.906	\$	0.005491	3296	\$	0.000002
g. 4C	\$	0.010310	0.906	\$	0.009343	3296	Š	0.000003
h. 377C	\$	1.549948	0.906	\$	1.404590	3296	\$	0.000426
13. RSTP - LIDB SCP Data Link Softwa	re							
a. 377C	\$	0.236331	0.906	\$	0.214167	3296	\$	0.000065
14. LIDB SCP Software								
a. 2124	\$	-	0.906	\$	-	3296	\$	-
15. Summary by Account Code								
a. 4C	Ln 3g	g+7g+12g					\$	0.000007
b. 57C	_	b+7b+12b					\$	0.000018
c. 85C	Ln 31	f+7f+12f					\$	0.000004
d. 357C	Ln 30	c+7c+12c					\$	0.000016
e. 357CS	Ln 30	d+7d+12d					\$	0.000007
f. 377C		a+2a+3a+4a+ ı+11a+12a+12	5a+6a+7a+7h+8a 2h+13a				\$	0.001266
g. 845C		e+7e+12e	int I Va				\$	0.000013
h. 2124	-	a+14a					\$	-
							*Su	to: mmary* Tab

#### **SOUTH DAKOTA**

# Summary of UCNAM per Query investments and Expenses

1.	357	C Investment			
	a.	X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.			
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00000023
	b.	56kbps Data Links from the LIDB Platform to the RSTP		*	
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00000176
	C.	Message Relay Service 56Kbps Links to the RSTP			
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00000014
	d.	Total 357C	Lns 1a+1b+1c	\$	0.00000213
				to:	Summary Tab
2.	377	C Investment			
	a.				
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	•
	þ.	ICNAM and CNAM including UCNAM	( N t . N t	•	
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	•
		Capital per Query and Response	from: "Inputs" Tab, Sec A	\$	•
	Ç.	Total 377C	Lns 2a+2b	\$	-
				to:	Summary Tab
3.	Fxr	pense			
٠.	•	LIDB			
		Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00002397
	þ.	MRS	· · · · · · · · · · · · · · · · · · ·		
		Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00005149
	Ç.	ICNAM and CNAM including UCNAM			
		Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	0.00021544
	d.	X.25 Data Links from the LIDB Services Platform to LIDB			
		Verification, LVAS, and AMATPS.	forms Hemodell Tele Oct A	•	
	_	Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	•
	€.	56kbps Data Links from the LIDB Platform to the RSTP Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	
			from: "Inputs" Tab, Sec A	э \$	0.00000002
	f.	Expenses per Query and Response  Message Relay Service 56Kbps Links to the RSTP	from: inputs Tab, Sec A	Ф	0.00000002
	١.	Expenses per Query and Response	from: "Inputs" Tab, Sec A	\$	_
		Expenses per query and nesponse	nom. mpuis rau, sec A	Ψ	-
	g.	Total Expense	Lns 3a;3f	\$	0.00029091
				to:	Summary Tab

#### **SOUTH DAKOTA**

# Summary of per Query Investments and Expenses

Inv	Network restments and Expenses	Оре	UCNAM erational Support	!	otal per Query
	A		В		C=A+B
Sı	from: "Network ummary" Tab	*	from: UCNAM" Tab	Inv	to: "WINPC3 estments" Tab
\$	0.00000692			\$	0.00000692
\$	0.00000000			\$	0.00001822
\$	0.00000412			\$	0.00000412
\$	0.00001568	\$	0.00000213	\$	0.00001781
\$	0.00000744			\$	0.00000744
\$	0.00126613	\$	-	\$	0.00126613
\$	0.00001320			\$	0.00001320
\$	-			\$	-
		\$	0.00029091	\$	0.00029091

4C 57C 85C 357C 357CS 377C 845C 2124

Expense

	Α	В	С	D	Ē	F	G	Н
1	Investment	:	!					
2	STUDY	ICNAM - Interconne	ection CLEC	1				
3	DATE	May 20, 2002	1	i		,		
4	PRODUCT	TELRIC	:				•	
5	GROUP	ICNAM - Interconne	ction CLEC - pe	r Qu	ery		:	
6	LOADED	SD	0.0000069234	0.	0.	4C	LIDB Services Model 2000, v 3.52	Summary Tab
7	LOADED	SD	0.0000182197	0.	0.	57C	LIDB Services Model 2000, v 3.52	Summary Tab
8	LOADED	SD	0.0000041242	0.	0.	85C	LIDB Services Model 2000, v 3.52	Summary Tab
9	LOADED	SD	0.0000178142	0.	0.	357C	LIDB Services Model 2000, v 3.52	Summary Tab
10	LOADED	SD	0.0000074355	0.	0.	357CS	LIDB Services Model 2000, v 3.52	Summary Tab
11	LOADED	SD	0.0012661301	0.	0.	377C	LIDB Services Model 2000, v 3.52	Summary Tab
12	LOADED	SD	0.0000132034	0.	0.	845C	LIDB Services Model 2000, v 3.52	Summary Tab
13	LOADED	SD	0.	0.	0.	2124	LIDB Services Model 2000, v 3.52	Summary Tab
14	COMMON	SD	0.0002909138	0.	0.	:	LIDB Services Model 2000, v 3.52	Summary Tab
15	GROUP		· ·					

В					1					
¥	Parameter	SD	7	9	Annual	Yes	No		11	6433
	1	2	3	4	5	9	7	8	6	10

	A	В	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN									<del></del>		<del>- 1</del>	
2	02SD01E			•			;	:				•	
3	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
4	377C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
5	20C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
6	110C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
7	357C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	$\mathbf{BF}$	NTWKOP
8	57C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	<b>ADVER</b>	$\mathbf{BF}$	NTWKOP
9	85C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	$\mathbf{BF}$	NTWKOP
10	845C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
11	4C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
12	357CS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP

	N	0	P	T Q	R	S	T	U	v	W	X	Y	Z	AA
1				!										
2			!											
3	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
4	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
5	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
6	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
7	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
8	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
9	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
10	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
11	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP
12	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP

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2	-Run Do	ne With Date	abase Vintage:	02SD01E, D	ated: 04/08/	02	:			•				
3	-Wholes	ale Cost Pro	gram (TELRIC)	) Data Base i	released 04/0	02SD01E	).							
4	-Factors	loaded fron	n Factors Mode	el (Expense l	Module), Ver	sion 02V1.		,	•					
5	-CAPITA	L RECOVER	RY factors relea	sed 04/02 a	nd based on	10.14% Cos	t							
6	Of Mone	y. No 1-10	year factors de	veloped.						·		•		•
7	-MAINTE	NANCE fact	tors released 0	2/02.										
8	-RTU fac	tors release	d 02/01.											
9	-AD VAL	OREM Tax I	released 02/02.											
10	-DIRECT	'LY ASSIGNI	ED expense fac	ctors release	ed 04/02.									
11	-BUSINE	SS FEES re	leased 04/02.					:			4			
12	-COMMO	N Expense	released 04/02	•		1								
13	-TOTAL	INSTALLED	FACTORS (TII	released 0	1/01.									
14	-POWER	investment	factors releas	ed 01/01.				ì		٠				
15	-SALES	TAX release	d 01/01.					;						:
16	-TELCO	Engineering	factors releas	ed 01/01.				4		1				
17	-INTERE	ST DURING	CONSTRUCTION	ON released	01/01.									
18	-LAND A	ND BUILDIN	IG factors relea	sed 02/02.										
19	-DIRECT	LY ATTRIBL	JTABLE expen	se factors re	leased 04/02			4				4		
20	-SALES	EXPENSE fa	ctor released (	04/02.		•		i i		•	÷	•		
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40	ACCOUNTS	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST
41	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
42	377C	0.108910	0.045445	0.017186	0.010018	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
43	20C	0.000000	0.096506	0.036495	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
44	110C	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
45	357C	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
46	57C	0.160932	0.045151	0.017075	0.014015	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
47	85C	0.070742	0.056557	0.021388	0.018901	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
48	845C	0.060902	0.057059	0.021578	0.023075	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
49	4C	0.021443	0.064600	0.024429	0.007242	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742
50	357CS	0.109717	0.045455	0.017189	0.025490	0.009546	0.199833	0.003732	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	0.088742

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40	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
41	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
	0.043342												
43	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064
44	4 .	i											0.015064
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48	7												0.015064
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50	0.043342	0.003786	0.007346	0.008294	0.000000	0.011267	0.000525	0.037846	0.070887	0.004717	0.001860	0.000006	0.015064

# CONTINUATION

# [46]

State: South Dakota

Equipment Item: LSTP Hardware/Millisecond

Account Code: 377C

		Factor		Amount	Source / Description
1.	Material		₩	1.834258	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$	-	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$	-	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$	-	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$	1.834258	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$	0.127848	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$	0.110663	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.229041	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$	0.014127	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	1	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	7	Ln1 x Ln11
12.	Total Loaded Investment		\$	2.315936	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment			1.000000	Objective Fill
15.	Investment per Unit		\$	2.315936	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: LSTP Software/Millisecond

Account Code: 377C

		Factor	Amount	Source / Description
1.	Material		\$ 0.028906	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$ 0.028906	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.002015	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.001744	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.003609	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.000223	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ •	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.036496	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.036496	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: InterSTP Data Link Hardware/Octet

Account Code: 377C

		Factor	Amount	Source / Description
1.	Material		\$ 0.000102	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST doltars.
5.	Total EFI investment		\$ 0.000102	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.000007	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.000006	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.000013	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.000001	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.000128	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.000128	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: InterSTP Data Link Hardware/Octet

Account Code: 57C

Ì		Factor		Amount	Source / Description
1.	Material		65	0.000164	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$		If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$	-	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other	· · · <u> </u>	\$	-	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$	0.000164	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$	0.000011	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$	0.000010	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.000020	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$	0.000001	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	1	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	-	Ln1 x Ln11
12.	Total Loaded Investment		\$	0.000207	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment			1.000000	Objective Fill
15.	Investment per Unit		\$	0.000207	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: InterSTP Data Link Software/Octet

Account Code: 377C

		Factor	Amount	Source / Description
1.	<b>Material</b>		\$ 0.001945	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ •	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ <b>-</b>	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 0.001945	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.000136	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.000117	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.000243	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.000015	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ - -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.002456	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.002456	Ln12/Ln13/Ln14 .

State: South Dakota

Equipment Item: RSTP Hardware/Millisecond

Account Code: 377C

		Factor	 Amount	Source / Description
1.	Material		\$ 2.659534	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 2.659534	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.185370	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.160453	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.332092	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.020483	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ •	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 3.357931	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 3.357931	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: RSTP Software/Millisecond

Account Code: 377C

		Factor	Amount	Source / Description
1.	Material		\$ 0.310626	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation	_	\$ •	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 0.310626	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.021651	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.018740	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.038787	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.002392	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ 1	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.392197	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.392197	Ln12/Ln13/Ln14

State: South Dakota

Equipment: Data Link & MRS SCP Hardware/Query and Response

Account Code: 377C (RSTP Hardware)

		Factor	Amount	Source / Description
1.	Material		\$ 0.009564	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ •	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 0.009564	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.000667	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.000577	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.001194	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.000074	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.012075	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.012075	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: Data Link & MRS SCP Hardware/Query and Response

Account Code: 57C

		Factor	Amount	Source / Description
1.	Material		\$ 0.015411	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	USWC Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	USWC Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 0.015411	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.001074	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.000930	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and installation	0.1105	\$ 0.001924	(Ln5+Ln6+Ln7) x Factor. Show "0" if USWC Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.000119	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.019459	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	investment per Unit		\$ 0.019459	Ln12/Ln13/Ln14

State: South Dakota

Equipment: Data Link & MRS SCP Hardware/Query and Response

Account Code: 377C (SCP Hardware)

		Factor		Amount	Source / Description
1.	Material		65	1.004149	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$	-	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$	-	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$	•	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$	1.004149	Sum of Lines 1 - 4
6.	Loading for Power	0.0000	\$	-	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$	0.056634	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.117217	(Ln5+Ln6+Ln7) x Factor. Show *0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$	0.007230	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	-	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	·	Ln1 x Ln11
12.	Total Loaded Investment		\$	1.185230	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment			1.000000	Objective Fill
15.	Investment per Unit		\$	1.185230	Ln12/Ln13/Ln14

State: South Dakota

Equipment: RSTP - MRS SCP Data Link Software/Query and Response

Account Code: 377C

		Factor		Amount	Source / Description
1.	Material		<b>\$\$</b>	0.183026	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$	•	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$	•	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$	-	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$	0.183026	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$	0.012757	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$	0.011042	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.022854	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$	0.001410	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	1	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	-	Ln1 x Ln11
12.	Total Loaded investment	:	\$	0.231089	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment			1.000000	Objective Fill
15.	Investment per Unit		\$	0.231089	Ln12/Ln13/Ln14

State: South Dakota

**Equipment: MRS SCP Software/Query and Response** 

Account Code: 2124

		Factor	Amount	Source / Description
1.	Material		\$ -	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering	-	\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		<b>\$</b> -	Sum of Lines 1 - 4
6.	Loading for Power	0.0000	\$ -	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ -	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.0000	<b>\$</b>	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ -	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ -	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ -	Ln12/Ln13/Ln14

State: South Dakota

Equipment: RSTP Hardware/Millisecond

Account Code: 377C

		Factor	Amount	Source / Description
1.	Materia		\$ 2.659534	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ \$ - If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollar	
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$ 2.659534	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.185370	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.160453	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.332092	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.020483	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 3.357931	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 3.357931	Ln12/Ln13/Ln14

State: South Dakota

Equipment: RSTP Software/Millisecond

Account Code: 377C

		Factor	Amount	Source / Description
1.	Material		\$ 0.310626	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ \$ - If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollar	
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$ 0.310626	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.021651	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.018740	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.038787	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.002392	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.392197	Sum of Lines 5 - 11
13,	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.392197	Ln12/Ln13/Ln14

State: South Dakota

Equipment: Data Link & LIDB SCP Hardware/Query and Response

Account Code: 377C (RSTP Hardware)

		Factor		Amount	Source / Description
1.	Material		\$	0.009781	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		<b>69</b>	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.	
3.	QWEST Engineering		\$	-	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$	-	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$	0.009781	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$	0.000682	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$	0.000590	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.001221	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$	0.000075	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$	-	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	-	Ln1 x Ln11
12.	Total Loaded Investment		\$	0.012350	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment			1.000000	Objective Fill
15.	Investment per Unit		\$	0.012350	Ln12/Ln13/Ln14

State: South Dakota

Equipment Item: Data Link & LIDB SCP Hardware/Query and Response

Account Code: 57C

		Factor Amount Source / Description				
1.	Material		\$	0.015761	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.	
2.	QWEST Installation		\$	If Vendor installed, show "0" as Amount.  If QWEST installed, show estimate of QWEST dollars.		
3.	QWEST Engineering		\$	-	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.	
4.	Other		\$	•	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.	
5.	Total EFI Investment		\$	0.015761	Sum of Lines 1 - 4	
6.	Loading for Power	0.0697	\$	0.001099	Ln5 x Factor	
7.	Loading for Sales Tax	0.0564	\$	0.000951	(Ln5+Ln6) x Factor	
8.	Loading for Telco Engineering and Installation	0.1105	\$	0.001968	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.	
9.	Loading for Interest During Construction	0.0061	\$	0.000121	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.	
10.	Loading for Transportation	0.0000	\$	•	Ln1 x Ln10	
11.	Loading for Warehousing	0.0000	\$	- -	Ln1 x Ln11	
12.	Total Loaded Investment		\$	0.019900	Sum of Lines 5 - 11	
13.	Unit Capacity of Equipment			1.000000	Equipment Specifications from Vendor	
14.	Utilization of Equipment			1,000000	Objective Fill	
15,	Investment per Unit		\$	0.019900	Ln12/Ln13/Ln14	

State: South Dakota

Equipment: Data Link & LIDB SCP Hardware/Query and Response

Account Code: 377C (SCP Hardware)

		Factor	Amount	Source / Description
1.	Material		\$ 1.313145	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount.  If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$ 1.313145	Sum of Lines 1 - 4
6.	Loading for Power	0.0000	\$ -	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.074061	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.153286	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.009455	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ •	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	Ln1 x Ln11
12.	Total Loaded Investment		\$ 1.549948	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 1.549948	Ln12/Ln13/Ln14

State: South Dakota

Equipment: RSTP - LIDB SCP Data Link Software/Query and Response

Account Code: 377C

		Factor	Amount	Source / Description
1.	Material		\$ 0.187179	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation	-	\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI investment		\$ 0.187179	Sum of Lines 1 - 4
6.	Loading for Power	0.0697	\$ 0.013046	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ 0.011293	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.1105	\$ 0.023373	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ 0.001442	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ •	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$	Ln1 x Ln11
12.	Total Loaded Investment		\$ 0.236331	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment		1.000000	Objective Fill
15.	Investment per Unit		\$ 0.236331	Ln12/Ln13/Ln14

State: South Dakota

Equipment: LIDB SCP Software/Query and Response

Account Code: 2124

		Factor	Amount	Source / Description
1.	Material		\$ -	If Vendor price includes Engineering and Installation, show total Vendor EF&I amount. If material only, show Vendor material price to QWEST.
2.	QWEST Installation		\$ -	If Vendor installed, show "0" as Amount. If QWEST installed, show estimate of QWEST dollars.
3.	QWEST Engineering		\$ -	If Vendor engineered, show "0" as Amount. If QWEST engineered, show estimate of QWEST dollars.
4.	Other		\$ -	If Vendor provided, show "0" as Amount. If QWEST, show estimate of QWEST dollars.
5.	Total EFI Investment		\$	Sum of Lines 1 - 4
6.	Loading for Power	0.0000	\$ -	Ln5 x Factor
7.	Loading for Sales Tax	0.0564	\$ -	(Ln5+Ln6) x Factor
8.	Loading for Telco Engineering and Installation	0.0000	\$ -	(Ln5+Ln6+Ln7) x Factor. Show "0" if QWEST Engineering and Installation is shown on Lines 2 and 3.
9.	Loading for Interest During Construction	0.0061	\$ -	((Ln5+Ln6+Ln7+Ln8) / (1 - Factor)) x Factor.
10.	Loading for Transportation	0.0000	\$ -	Ln1 x Ln10
11.	Loading for Warehousing	0.0000	\$ -	Ln1 x Ln11
12.	Total Loaded Investment		\$ -	Sum of Lines 5 - 11
13.	Unit Capacity of Equipment		1.000000	Equipment Specifications from Vendor
14.	Utilization of Equipment	_	1.000000	Objective Fill
15.	Investment per Unit		\$ -	Ln12/Ln13/Ln14

# INUATION

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# Model User Notes

Icnam--1.xls

- 1. The Line Information Data Base (LIDB) Services Model 2000, v3.52 worksheet contains the Average Blugs Search Bush Hour (ASSB) than Annual investments and expenses, per query fund response) for service out calculations. The user only reads to select the service by entering a value of 1 in the appropriate space under User Inputs in the LIDB Services Model Juvevich in current of ASSB Hand Annual investments and expenses to tolumnist it and I are provided in unern of ASSB Hand Annual investments and expenses to be used in calculating service costs. ASSBH investments and expenses can be used in calculating service costs. ASSBH investments and expenses can be used to calculate

- Landition to the LIDB Services Model 2000, 43.23 workshoet investments and expenses, there are service-specific workshoets with additionto investments and expenses per query (tad response) to be added by the nashlyst to the service cost calculations.

  3. All other workshoets with additional investments and expenses per query (tad response) to be added by the nashlyst to the service cost calculations.

  3. All other workshoets in this model are decommentation of assumptions and values used in the calculation of model outputs or per query (and response) calculations and values used in the calculation of model outputs or per query (and response) calculations and values using the Message Raby Service (NSIS) Data Base platiform only.

  4. All investments in this model are Engineering Power, interest things construction, and state in All message reported on any investments. 377C, 379Cs, 845C, 85C, and 4C investmentsfage been loaded with Total Investment Factors (TIP). The SQP Hardware/Query investments in the LIDB Modeling Notes workshots include an investment for prover (LIDB Modeling Notes (CID 1212). This power investment is required to equip the LIDB SQP Platiform. It is recommended that the analyst use this direct investment rather than applying a power case well. The details of the MSB hardware must ensure the investment is required to equip the LIDB SQP Platiform. It is recommended that the analyst use this direct investments and espenses as well. The details of the MSB hardware and software investments and espenses as well. The details of the MSB hardware software is no longer captured as an expense of the new personal computer system in Network is no longer captured as an expense.

7. As of May 13, 2001. InterLata Expense account 6728.99 is being recovered in common factors by the analyst.

HISER IMPLITS

### LIDB Services per Query (& Response) Investments and Expenses

This model is applicable to the following services: Calling Name Delivery (CNAM), Internetwork Calling Name Delivery (ICNAM), Originating Line Number Screening (OLNS), Calling Card Verification (CCV), Billing Number Service (BNS), the GetData (GDS) portion of QWEST AliN Services such as Single Number Service or a customer's service, LIDB Access Transport Service (LATS), LIDB Validation Service (VS), Unbundled Calling Name Delivery (UCNAM) or ICNAM - Interconnection CLEC, and LIDB Query Service (LQS). See also the InterSwitch Voice Messaging (ISVM) Query worksheet, the Last Call Return (LCR) Query worksheet, and the Continuous Redial (CR) Query worksheet for services using the Message Relay Service platform only.

	Functional Matrix	for LIDB Services:		
	Query Originates	Query Originates From	Query Originates I	Query Originates From
LIDB Platform Services	<b>QWEST End Office</b>	QWEST Access Ignden	Non-QWEST Switch	QWEST ISCP
Calling Name Delivery - QWEST Retail	X	X		
Unbundled CNAM - QWEST Wholesale			X	
Internetwork Calling Name Delivery (Contract only)			×	
Originating Line Number Screening		x		
Calling Card Verification		X		
Billing Number Service		X		
GetData Service				X
LIDB Access Transport Service (FCC Tariff No. 1 only)			X	
LIDB Validation Service (FCC Tariff No.1 only)				
- Originating Line Number Screening			X	
- Billing Number Service			X	
- Calling Card Verification			X	
- GetData			X	
LIDB Query (State Fillings Only)			x	

### Model assumptions from Product Management:

- 1.) Each OUNS, BNS, CCV or GDS query from a non-CIWEST network that enters the QWEST network at the RSTP will be billed LIDB Access Transport and Validation Service query charges.
- However, if the query is generated by a CLEC and the query enters the QWEST SS7 Network at the LSTP, the CLEC or their Operator Services Provider will be charged a LIDB Query Service query.
- 2.) All LIDB services are billed based on attempts, not completed calls.
- 3.) A query associated with a QWEST ported number originally destined for the QWEST LIDB, routed through the Message Relay Service DB, and subsequently sent to a non-QWEST destination jpg billed TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or TCAP Signal Switching or T
- 4.) All queries associated with non-QWEST numbers are routed by the RSTP directly to the non-QWEST destination. The query is not sent first to the QWEST Message Relay Service DB.
- 5.) Per Product Mgt., ICNAM and LATS queries are associated with QWEST numbers 100% of the time. The MRS database will route queries for ported numbers to non-QWEST destinations 1/2% of the time.
- 6.) Per Product Management, UCNAM and LOS queries essociated with non-QWEST numbers will be charged TCAP Signal Switching and TCAP Signal Transport per query. In addition, QWEST is billed for CLEC and ILEC queries to non-QWEST destinations.

  These costs are not included in the UCNAM or LQS service costs. The CLEC or ILEC is charged for these costs separately.

1.) Model User Selection of Service		Service Selection	
Select only one service at a time to get the investments and expenses per query & response.	Name	(Yes = 1, No = 0)	
Calling Name Delivery - QWEST Retail tariffed under Calling ID - Name and Number	CNAM		O This feature is also cost supported in the SCM Features Model.
Unbundled CNAM - QWEST Wholesale	UCNAM		1
Internetwork Calling Name Delivery	ICNAM		o c
Originating Line Number Screening	OLNS		0
Calling Card Verification	CCV		0
Billing Number Service	BNS		0
GetData Service	GDS		O This is only the MRS and LIDS platform portion of the total query cost.
LIDB Access Transport Service(FCC Only)	LATS		0
LIDB Validation Service Incl. the following queries from Non-USWC networks (FCC Only):	vs		0
- Originating Line Number Screening			
- Billing Number Service			
- Cailing Card Verification			
- GetData			
LIDB Query Service (Interconnection at LSTP Only)	LQS		0

2.) Probability of Calling IQ. (CNAM Only) Query Terminations; Percent/100 of CNAM Service Calls that Terminate to a QWEST End Office	Name 60	Input Yalue 0.929	Default Value 0.929
Percent/100 of CNAM Service Calisthat Terminate to a QWEST Access Tandem	TOM	0.071	0.071

- 1. It is assumed that the total terminating call attempts to QWEST and offices and fandems are an adequate surrogate for calculating the probability that a CNAN query will be launched from a QWEST and office or access tandem. Separations data for the month of March, 2000 have been used to develop the default inpuvalues. See the LIDB Usage and Demand Data worksheet to view the March, 2000 Separations data.
- 2. User input values for EO and TDM are only applicable to the CNAM service investments. The sum of these two values should equal 1.0. If the user has no selected CNAM, EO should equal zero and TDM should equal zero

3.) Factor for converting Average Busy Season Busy Hour to Annual	input	Default	
Average Number of Business Days per Year	<u>Name</u> BD	<u>Value</u> 310.5	<u>Value</u> 310.5
Percent/100 of the Day's Traffic that Falls In the Busy Hour	вн	0.094	0.094
ABSBH to Annual Factor	AF	3296	3296

Note 1: The default values for business days and busy hour usage are consistent with the SCM Usage Model assumptions. The busy hour assumption is based on Subscriber Line Usage studies and the business days per year calculation assumes that each day of the weekend has half the traffic of weekdays with an adjustment for holidays.

4.) Probability of Cailing ID (CNAM, ICNAM & UCNAM) Queries Being Routed to QWEST and Non-QWEST LIDBs	Input	Default	
Percent/100 of Calling ID Quaries to QWEST LIDB	<u>Name</u> IN	<u>Value</u> 0.9062	<u>Value</u> 0.9062
Percent/100 of Calling ID Quartee rerouted by the QWEST MRS to non-QWEST LIDBs for Ported Number Information	MOUT	0.0005	0.0005
Percent/100 of Calling ID Quaries to Non-OWEST LIDBs for non-OWEST Number Information	OUT	0.0933	0.0933

Note 1: The default value of MOUT has been provided by Product Management. The values of IN and OUT are calculated from demand provided by Product Management,

5.) Probability of QLMS, CCV, BMS, GetData, LATS, and LQS Queries Being Routed to QWEST and Non-QWEST LIDBs	Input	Default	
Percent/100 of QLNS, CCV, BNS, GetData, LATS, and LQS Queries to QWEST LIDB	<u>Name</u> ABSIN	<u>Vatue</u> 0.990	<u>Value</u> 0.990
Percent/100 of OLNS, CCV, BNS, LATS, and GetData Queries rerouted by the QWEST MRS to non-QWEST LIDBs for Ported Num	ABSMOUT	0.005	0.005
Percent/100 of OLNS, CCV, BNS, LATS, and GetData Queries to Non-QWEST LIDBs for non-QWEST Number Information	ABSOUT	0.005	0.005

Note 1: The default value of ABSMOUT has been provided by Product Management. The values of ABSIN and ABSOUT are calculated from demand provided by Product Management.

LIDB Services Model 2000, v 3.52

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				MODEL INVESTMENT	S AND EXPENSES	
LIDB Services Query (& Response) In-	vestments and Expe	onses	'			
Account Code and Names	2000	2000	2000			
	Invest./	Invest./	Invest./	Octets or	2000	2000
	Octet or Ms	Octet or Ms	Octol or Ms	Milliseconds	ABSBH Inv./	Annual Inv./
	or Query	or Query	or Query	or Query	Query	Query
	Α.	В.	C	D	E .	F.
	.,	•	(A+B)	-	(C*D)	(E/AF)
			Direct -		Direct -	Direct -
			Category 1 +		Category 1 +	Category 1 +
	Direct-	Direct-	Direct -		Direct -	Direct -
	Category 1	Category 2	Category 2		Category 2	Category 2
End Office and Data Link Hardware/Octet	Catalogia I	AND DE LEGISLA	Otto Control of the		CHURCITZ	CHINDOIT Z
377C	0.000662	0.007859	0.008521	0	0.000000	0.00000000
57C	0.000168	0.001323	0.001490	Č	0.000000	0.00000000
357C	0.000063	0.000267	0.000319	Ö	0.000000	0.00000000
357CS	0.000005	0.000024	0.000029	å	0.000000	0.00000000
845C	0.000020	0.000024	0.000119	ů ů	0.000000	0.0000000
845C	0.000020	0.000099	0.000119	0	0.00000	0.00000000
	0.000002			0		
4C	0.00004	0.000020	0.000024	U	0.000000	0.00000000
End Office Software/Octet	0.000000	0.017005	0.017000	o	0.000000	0.00000000
377C	0.000000	0.017895	0.017895		0.000000	0.00000000
377C-TCAP	0.000000	0.006638	0.006638	0	0.000000	0.00000000
377C	0.000511	0.002579	0.003090	0	0.000000	0.00000000
Access Tandem and Data Link Hardware/Oct				_		
377C	0.000334	0.000818	0.001152	Ō	0.000000	0.00000000
57C	0.000064	0.000053	0.000118	Ō	0.000000	0.00000000
357C	0.000061	0.000054	0.000115	0	0.000000	0.00000000
357CS	0.000006	0.000005	0.000010	0	0.000000	0.000000000
845C	0.000023	0.000020	0.000043	0	0.000000	0.00000000
85C	0.000003	0.000003	0.000005	0	0.000000	0.000000000
4C	0.000005	0.000004	0.000009	0	0.000000	0.00000000
Access Tandem Software/Octet						
377C	0.000000	0.004513	0.004513	0	0.000000	0.00000000
377C-TCAP	0.000000	0.032392	0.032392	0	0.000000	0.000000000
377C	0.000511	0.000398	0.000909	0	0.000000	0.000000000
LSTP Hardware/Millisecond						
377C	1.834258	0.000000	1.834258	0.155	0.284805	0.00008641
LSTP Software/Millisecond						
377C	0.028906	0.000000	0.028906	0.155	0.004488	0.00000136
• • •						
InterSTP Data Link Hardware/Octet						
377C	0.000081	0.000020	0.000102	118	0.011981	0.00000363
57C	0.000131	0.000033	0.000164	118	0.019306	0.00000586
357C	0.000055	0.000014	0.000069	118	0.008132	0.00000247
357CS	0.000025	0.000006	0.000031	118	0.003626	0.00000110
845C	0.000146	0.000036	0.000182	118	0.021467	0.00000110
85C	0.000140	0.000005	0.000023	118	0.002730	0.00000083
4C	0.000029	0.000007	0.000037	118	0.004335	0.00000132
	51000029	0,00007	Q.000007			5.05505102

InterSTP Data Link Software/Octet						
377C	0.001556	0.000389	0.001945	118	0.229275	0.00006956
RSTP Hardware/Millisecond						
377C	2.659534	0.000000	2.659534	0.077	0.205111	0.00006223
RSTP Software/Millisecond						
377C '	0.310626	0.000000	0.310626	0.077	0.023956	0.00000727
Data Link & MRS SCP Hardware/Query a	ind Response					
377C(RSTP Hardware)	0.006328	0.003235	0.009564	0.907	0.008671	0.00000263
57C	0.010198	0.005214	0.015411	0.907	0.013973	0.00000424
357C	0.015719	0.008037	0.023755	0.907	0.021539	0.00000653
357C\$	0.007536	0.003853	0.011389	0.907	0.010327	0.00000313
845C	0.007958	0.004069	0.012027	0.907	0.010905	0.00000331
85C	0.003921	0.002004	0.005925	0.907	0.005372	0.00000163
4C	0.006671	0.003411	0.010081	0.907	0.009141	0.00000277
377C(SCP Hardware)	0.664444	0.339705	1.004149	0.907	0.910449	0.00027623
			1,00	<b></b>		V.1002, 020
RSTP - MRS SCP Data Link Software/Quer	v and Pernonse					
377C	0.121108	0.061918	0.183026	0.907	0.165947	0.00005035
<i>0,7,</i> 0	CITETIO	0,00.710	0.10020	0.707	3.100747	0.000000
MRS SCP Software/Query and Response						
2681.4	0.000000	0.000000	0.000000	0.907	0.000000	0.00000000
2001.4	0.00000	0.00000	0.00000	0.707	0.00000	0.0000000
marrer 1 Africa						
RSTP Hardware/Millisecond	2.659534	0.000000	2.659534	0.077	0.204966	0.0000/010
377C	2.009534	0.00000	2.009334	0.077	0.204900	0.00006219
norm c. a						
RSTP Software/Millisecond 377C	0.310626	0.000000	0.310626	0.077	0.023939	0.00000726
3//C	0.310026	0.000000	0.310620	0.077	0.023939	0.00000726
Data Unik & LIDB SCP Hardware/Query a	- d Doon on					
377C(RSTP Hardware)	0.007784	0.001997	0.009781	0.906	0.008864	0.00000269
57C (RSIF FIGIGWARE)	0.012543	0.003218	0.009761	0.906	0.014283	0.00000269
357C	0.012343	0.003218	0.024294	0.906	0.022016	0.00000433
357CS			0.024294	****		0.00000320
	0.009270 0.009789	0.002378		0.906	0.010555	
845C		0.002511	0.012300	0.906	0.011146	0.00000338
85C	0.004822	0.001237	0.006059	0.906	0.005491	0.00000167
4C	0.008205	0.002105	0.010310	0.906	0.009343	0.00000283
377C(SCP Hardware)	1.045045	0.268100	1,313145	0.906	1.189995	0.00036104
	<del>-</del>					
RSTP - LIDB SCP Data Link Software/Quen		* *****				
377C	0.148963	0.038216	0.187179	0.906	0.169625	0.00005146
LIDB SCP Software/Query and Response	0.000000	0.000000	0.00000	0.007	0.00000	0.0000000
2681.4	0.000000	0.000000	0.000000	0.906	0.000000	0.00000000

	ſ	QWEST LICHAM /ICN/	AM - Interconnection	CLEC) Additional inves	tments and Expens	ses Summery	
				ervices Data Links workshee			
LIOB	<b>_</b>						
Capital	NPV	\$0.00					
Expenses	Levelia	<u>2000</u> \$122,897	<u>2001</u> \$122,897	<u>2002</u> \$122,897	<u>2003</u> \$122,897	<u>2004</u> \$122,897	<u>2005</u> \$122,897
		**** ***					
	NPV NPV	\$499,608.48 \$609,787.30					
	Total	\$1,109,396					
Demand	NPV	46,288,289,863					
Demand L	evelized	11,386,336,584					
Capital/Qu	ery & Res	90,00000 Inpu	et to MINIDOS	377C			
Expenses/0	Query & R	esponse:					
		\$0.000024 Inpu	it to WINPC3	377M			
MRS	7						
Expenses	NPV	\$2,439,149					
Demand	NPV	47,375,496,013					
		\$0.000051 Inpu	t to WINPC3	377M			
ICNAM at	nd CNAM	Including UCNAM					
Capital	One Ti	\$0					
Capital	NPV	\$0					
Expenses	NPV	\$413,097					
•	NPV	\$41,310					
	NPV	\$1,480,342					
	NPV	\$6,997,918					
	NPV	\$699,660					
	Total	\$9,632,327					
		2000	2001	2002	2003	2004	2005
	Levelia	\$24,840	\$24,840	\$24,840	\$24,840	\$24,840	\$24,840
	NPV	\$100,982.49					
Total NPV	Expenses	\$9,733,309					
Demand	NPV	45.177,980,952					
Levelized I	Demand	11,113,214,570					
Demand for	r Cap. NF	4,674,147,019					
Levelized [	Demand	1,149,781,324					
One Time (	Capital/Qua	so.000000 Input	t to WINPC3	377C			
NPV Capita	al/Query &	Response \$0.000000 Input	to WINPC3	377C			
Expenses/Q	tucry & Ro	\$0.000215 Input	to WINPC3	377М			

X.25 Date	<u>a Linka fre</u>	om the LIDB Serv	vices Platform to LIDB Verification, LV	AS, and AMATPS.
Capital	One-Ti	\$2,667		
		•		
Demand	NPV	46,288,289,863		
Levelized	Demand	11,386,336,584		
0 1.110	a n-			
CapitanQt	ery & Resp		1	
	L	\$0,00000023	Input to WINPC3	357C
SSLbne D	nea Links	from the LIDE D	laform to the RSTP	
	One-Ti	\$20,000	INITED THE THE THE THE THE THE THE THE THE THE	<b>-</b>
Capital	One-13	\$20,000		
Expenses	NPV	\$813		
LAPLIAN		••••		
Demand	NPV	46,288,289,863		
Levelized 1	Demand	11,386,336,584		
20102200				
Capital/Qu	icry & Res <u>r</u>			
	L	\$0.00000176	Input to WINPC3	357C
	-			
Expenses/0	******** P. D.			
Expenses	Sucra or La		1	arm s
	L	\$0.000000002	input to WINPC3	357M
				_
Message	Relay Se	rvice 56Kbps Ilni	as to the RSTP	
Capital	One-Ti	\$1,653		
Capital	One II	4.1000		
Demand	NPV	47,375,496,013		
Levelized l	Demand	11,653,775,610		
DC TOLLOO				
Capital/Qu	cry & Resp		,	
		\$0.00000014	input to WINPC3	357C
	_		,	
C	ad last	An MINDO	1	
	or input	to WINPC3	J	
377C		\$0.000000		
377M		\$0.000291		
357C		\$0.0000021		
357M		\$0,00000002		

# CONTINUATION

# [48.]

Qwest

## **EXECUTIVE SUMMARY**

# SOUTH DAKOTA INTERCONNECTION COST DOCKET

## NONRECURRING ELEMENTS

Study ID # 6454

2002 Nonrecurring Cost Study

June 2002



Market Services And Economic Analysis Organization

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### A. PURPOSE, SCOPE, AND APPLICATION

This study estimates forward-looking nonrecurring total element long run incremental costs Qwest will incur to provide Unbundled Elements. Nonrecurring costs represent the one-time costs that are incurred in order to establish and disconnect the service. The study identifies the costs for various work activities involved in providing the service. The study results represent fully allocated 2002 costs and may be used for pricing and other management decisions.

### **B. DESCRIPTION OF SERVICE**

### **CUSTOMER TRANSFER CHARGE**

### **POTS Customer Transfer Charge**

The POTS Customer Transfer Charge represents the cost incurred by Qwest to transfer existing Qwest retail services to resellers on a wholesale basis. The POTS CTC is for the transferal of Qwest residence, and both simple and complex business customers/accounts including CENTREX. The cost reflects use of IMA (Interconnect Mediated Access) and applies to the 1<sup>st</sup> line on the CSR (Customer Service Record).

# Private Line Customer Transfer Charge 1<sup>st</sup> Circuit, Additional Circuit and Each Additional circuit

The Private Line Customer Transfer Charge 1<sup>st</sup> Circuit represents the cost incurred by Qwest to transfer existing Qwest retail services to resellers on a wholesale basis. The Private Line CTC is for the transferal of Qwest private line customers/accounts and applies to the 1<sup>st</sup> circuit on CSR (Customer Service Record).

# Customer Transfer Charge for Frame Relay Service, ATM Cell Relay Service, and Transparent LAN Service.

The Frame Relay Service (FRS), ATM Cell Relay Service, and Transparent LAN Service (TLS) Customer Transfer Charge represents the cost incurred by Qwest to transfer existing Qwest retail FRS, TLS, or ATM services circuit to resellers on a wholesale basis.

### LIS SWITCHED TRANSPORT

### **Entrance Facilities**

Costs associated with provisioning the transmission facilities between the customer's POI and the serving wire center. The cost is per DS1 or DS3 circuit terminated.

### **Transport Trunks**

Costs associated with provisioning of the trunks between the customer's POI and the end office. The cost is for DS1 Interface and DS3 Interface per First Trunk and Each Additional Trunk per Order.

### Multiplexing

Multiplexing provides the capability of converting the capacity or bandwidth of a facility from a higher level to a lower level or from a lower level to a higher level. DS1 to Voice Grade multiplexing is an arrangement that provides a Company multiplexer which converts a DS1 channel to twenty-four Voice Grade channels utilizing time division multiplexing. DS3 to DS1 multiplexing is an arrangement which converts a DS3 channel to twenty-eight DS1 channels utilizing time division multiplexing. The cost is per arrangement ordered subsequent to the installation of a facility.

### B. DESCRIPTION OF SERVICE (Cont'd)

### CLEC TO CLEC CROSS CONNECTION

Clec to Clec collocation cross-connection is defined as the Clec's capability to order a cross-connection from its collocation in a Qwest wire center to another Clec's collocation within the same wire center.

Qwest will provide the capability to cross-connect these separate collocations through an Interconnection Distributing frame/bay (ICDF). This is accomplished through the use of both Co-Provider Connecting Facility Assignment (CFA) terminations residing on the same ICDF frame/bay. Also, both Clecs must terminate on the same service rate level (DS3, DS1) frame/bay.

If the Clec's collocation terminations do not reside on the same ICDF frame/bay (i.e. a Clec's own Dedicated ICDF frame/bay, etc.) as the other Clec collocation terminations, the Clec is responsible to order tie cables to the ICDF frame/bay where the other Clec resides. These tie cable would be ordered through the existing collocation build process and in-place before any order activity is processed for the cross-connection.

The Clec is responsible for the end-to-end design of this connection of collocation elements to ensure that the resulting service meets their customer's needs. This is accomplished by receiving the Design Layout Record (DLR) for the service connection. Depending on the distance parameters of the connection, Regeneration may be required.

This product is for Clec element to Clec element only, not individual unbundled network elements.

### Cable Unloading/Bridge Tap Removal

Cable Unloading/Bridge Tap Removal is the cost associated with the engineering and splicing to remove loads and bridge tap from a cable. This cost is in addition to the 2 Wire/4 Wire loop if required. The cost is per request.

### UNBUNDLED LOOP

Unbundled Loop – 2 Wire/4 Wire unbundled loop establishes a transmission path between the Qwest Company distribution frame (or equivalent) and the network interface of the Competitive Local Exchange Carrier's (CLEC) end user.

Options are available for the Loop: Basic Installation First and Each Additional, Basic Install with Performance Testing First and Each Additional, Coordinated Install Without Testing First and Each Additional, Basic Installation with Coop Testing First and Each Additional, and Coordinated Install, Coop Testing, no Dispatch First and Each Additional. The cost is per first and each additional loop ordered at the same time to the same location.

### B. DESCRIPTION OF SERVICE (Cont'd)

### DS1, DS3, OCN 3, 12, 48

A digital transmission path that transports bi-directional DS1, DS3, OCN 3, 12, 48 signals with nominal transmission rates. The transmission path runs between a Qwest Serving Wire Center (SWC) Network Interface (NI) to the End User (EU) NI located at the EU's designated premises within the serving area of the SWC. DS3 and OCN Capable Loops will be configured as a channel on a fiber-based system. The interconnector gains access to these unbundled services at the Qwest SWC through established Collocation arrangements.

The cost is per first and each additional loop ordered at the same time to the same location.

### **SUBLOOP**

Subloop is defined as any portion of the loop that is technically feasible to access at terminals in Qwest's outside plant, including inside wire (owned by Qwest). An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case and/or digging up underground to reach the wire or fiber within.

Such access points may include, but are not limited to, the pole or pedestal, the network interface device (NID), the minimum point of entry, the single point of interconnection (at multi-unit premises), the main distribution frame, Serving Area Interface (SAI) and/or the remote terminal, and the feeder distribution interface (FDI).

Sub-Loop Unbundling is only available after a Co-Provider requested Field Connection Point (FCP) has been installed at the technically feasible access terminal.

The 2 Wire Unbundled Distribution Loop is a Qwest provided facility from the Qwest Serving Area Interface (SAI) to the Network Interface at the customer location.

The Unbundled Distribution loop has the following characteristics:

Metallic facilities only on carrier segments

Tolerant of some bridged tap

Loop may contain a mixture of cable gauges

An Interconnector gains access to these unbundled services at the SAI through an established Field Connection Point arrangement.

Certified Local Exchange Carriers (CLECs) may interconnect with Qwest at several locations. The following paragraphs describe the Point of Interconnection (POI) and Network Interface (NI) used in the field away from a Qwest Wire Center. This POI or NI is called the **Field Connection Point** (FCP).

The FCP is a cabinet or pedestal located near the loop Feeder/Distribution Interface (FDI). There may be some circumstances where more than one such enclosure may be required.

The FDI provides access to a loop and permits field access to Unbundled Feeder Loops (UFLs) and Unbundled Distribution Loops (UDLs). The FDI is sometimes known as a Serving Area Interface (SAI).

### **B. DESCRIPTION OF SERVICE (Cont'd)**

The cost is per first and each additional distribution loop and per first and each additional feeder loop ordered at the same time to the same location. Field Connection Point Quotation Preparation Fee is per occurrence.

### SHARED LOOP/LINE SHARING

Shared Loop (Line Sharing) is defined as making available the opportunity for the Co-Provider to offer ADSL qualified advanced data services within the spectrum of an existing Qwest end user's analog voice-grade service. Co-Provider will use the data portion of the loop while Qwest will maintain the voice portion of the loop. The cost is per loop per order.

### **UDIT (Unbundled Dedicated Interoffice Transport)**

Unbundled Dedicated Interoffice Transport (UDIT) provides the CLEC with a network element of a single transmission path between Qwest wire centers. The CLEC must have a presence and have requested Tie Cable capacity through the collocation process. The CLEC orders the UDIT from one local Qwest office to another. Qwest provides the interoffice facility.

UDIT is available in speeds of DSO, DS1, OC3, OC12 Transmission levels. The cost is per channel per order. Both end office terminations are included in the cost.

### **EUDIT**

Extended UDIT provides a CLEC with an Unbundled Network Element that is a flat-rated bandwidth specific transmission path between a QWEST wire center and the wire center of a Certified Local Exchange Carrier (CLEC), an Independent Local Exchange Carrier or an Interexchange Carrier POP. By way of definition, one end of the EUDIT must terminate in the local QWEST serving wire center.

EUDIT is available in speeds of DSO, DS1, DS3, OC-3 and OC-12. The cost is per channel per order.

### UDIT REARRANGEMENT

CLEC can submit requests through the ASR process to move or rearrange UDIT or EUDIT terminations on the CLEC demarcation point or to change UDIT or EUDIT options. These rearrangements are available through a single office or dual office request. Single office rearrangements are limited to the change in options or movement of terminations within a single Wire Center. Dual office rearrangements are used to change options or movement of terminations in two Wire Centers. Rearrangement is only available for in-place and working UDITs or EUDITs. The cost is per request.

### UNBUNDLED DARK FIBER

Unbundled Dark Fiber (UDF) is a deployed (existing), unit pair of fiber optic cable or strands that connects two points within Qwest's network. UDF is a single transmission path between two Qwest wire centers or between a Qwest wire center and an end user customer premise or

Qwest outside plant structure (e.g., CEV, RT or HUT) in the same LATA and state. UDF exists in two distinct forms: (a) UDF Interoffice Facility (UDF-IOF), which constitutes an existing route between two fiber distribution panels located in two Qwest wire centers; and (b) UDF-Loop, which constitutes an existing loop between a Qwest wire center and a fiber distribution panel located at either an appropriate outside plant structure or an end-user customer premises.

### **B. DESCRIPTION OF SERVICE (Cont'd)**

UDF is "in place", unused, dark fiber (no light generating, transmitting or receiving equipment), which is currently terminated on a Fiber Distribution Panel (FDP).

The costs are as follows:

Initial Record Inquiry – Simple, Complex.

**Engineering Verification** 

**Splice** 

Field Verification and Quote Preparation.

Per occurrence, per route, first and each additional fiber or fiber pair.

Optical Cross-Connect, per fiber or fiber pair, per Central Office.

### LOCAL TANDEM SWITCHING

### **DS1 Trunk Port**

A DS1 Trunk Port is a DS1 trunk side switch port terminating at a DS1 common frame (or equivalent). Each DS1 Trunk Port includes a subset of 24 DSO channels capable of supporting local message traffic. A DS1 Trunk Port does not support PRI/ISDN.

Requests for DS1 Trunk Port ('s) must be followed by separate order ('s) to establish new Trunk Group ('s) or to augment existing Trunk Group('s).

### Message Trunk Group

A Message Trunk Group is a software feature that establishes the trunk group and its associated trunk members. Signaling and addressing attributes are defined at the group level. Trunk members may be associated with individual channels of the DS1 Trunk Port.

### LOCAL SWITCHING

### **Centrex Plus Common Equipment**

Centrex Plus is a central office based business service with capabilities and features provided via a common block. A group of station lines is translated for an individual customer group and provides common access to a predetermined group of system features with intra-system calling. This study provides the costs associated with provisioning the Centrex Plus standard feature package.

### Standard features include:

- Audible Message Waiting
- Automatic Call Back
- Call Forwarding Busy Line
- Call Forwarding Don't Answer
- Call Forwarding Variable
- Call Hold
- Call Park
- Call Pickup
- Call Waiting
- Call Forwarding of Call Waiting Calls
- Dial Originating

### **B. DESCRIPTION OF SERVICE (Cont'd)**

- Originating
- Terminating
- Cancel Call Waiting
- Conference Calling 3/6 Way
- Data Call Protection
- Direct Inward Dialing
- Direct Outward Dialing
- Distinctive Ringing/Distinctive Call Waiting Tone
- Executive Busy Override
- Hunting
- Individual Line Billing
- Intercept
- Intrasystem Calling
- Last Number Redial
- Line Restrictions
- Make Set Busy
- Network Speed Call
- Outgoing Trunk Queuing
- Speed Calling 1 & 2 Digit
- Three Way Calling/Consultation Hold/Call Transfer
- Touch-Tone
- Trunk Answer Any Station (Night Service)

### **Additional Centrex Features**

Additional Centrex Features will be offered on an unbundled basis in conjunction with the Unbundled Switch product offering. The features are priced and ordered as separate elements. Subsequent order activity charges will also apply, when this product is ordered separately.

### Unbundled BRI - ISDN Digital Line Port

An Unbundled BRI – ISDN Digital Line Port is a Digital 2B+D (2 Bearer Channels for Voice or Data and 1 Delta Channel for signaling and D Channel Packet) line side switch connection with BRI ISDN Voice and Data basic elements. The Unbundled BRI – ISDN Digital Line Port has Inter-LATA and Intra-LATA (where available) carrier choice, access to 911, and Qwest Operator Services. For Flexibility and customization optional features can be added. The Unbundled BRI

- ISDN Digital Line Port does not offer B Channel Packet service capabilities. A BFR for customized/specialized service will apply.

Standard features and functions include:

2B+D
2 Primary Directory Numbers (PDNs)
Call Appearances – Two per terminal
Normal Ringing
Caller ID Blocking

### **B. DESCRIPTION OF SERVICE (Cont'd)**

**Unbundled DS1 DID Trunk Port and DSO Trunks** 

The DS1 DID/PBX Trunk Port is an unbundled switching product that provides a Co-Provider that ability to connect a PBX (Private Branch Exchange) user utilizing the DID (Direct Inward Dialing) functionality to a Qwest capable office. As with all trunk side central office connections, this service inherently includes hunting within the trunk group. All Trunks are designed as 4-wire leaving the central office, for 2-wire service, the trunks are converted at the customer's location.

DID is a special trunking arrangement that permits incoming calls from the exchange network to reach a specific PBX station directly without attendant assistance. DID service is offered with an analog or digital 2-way. If digital, the individual DSO's are 2-way trunks using advanced service that requires DID. This product allows the Co-Provider to order DID numbers in blocks of 20. One primary directory listing in the main directory is provided for each PBX system. Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of calls.

### **Unbundled DS1 Primary Rate Interface – ISDN Trunk Port**

Primary Rate Interface Digital ISDN Trunk Port is a switch termination supporting PRI ISDN functionality. PRI trunk port requires a digital four wire-full duplex transmission path between ISDN compatible Customer Premises Equipment (CPE) and an PRI ISDN equipped Qwest central office.

The PRI central office equipped trunk port is a DS1 which provides 24 64 kpb/s channels. This product is dedicated call type of PRI with Custom protocol, up to 23 of the channels may be used as 64 kbp/s B channels. The 24<sup>th</sup> channel must be configured as a D channel, which will carry the signaling and control information. The B channels transmit voice and data or Circuit Switched Data (data only).

PRI ISND comes with the following standard features where technically feasible:

2B+D

Direct Inward Dialing (DID)

Direct Outward Dialing (DOD)

Calling Number Identification

Calling Number Identification Blocking – All Calls

Circuit Switched Data or Voice and Data

Provisioning of the DID feature requires that the Co-Provider subscribe to a sufficient number of trunk ports to adequately handle the volume of incoming calls.

### SUBSEQUENT ORDER CHARGE

Subsequent Order cost is the cost of processing a service order to make a change to an existing service, i.e., adding features to an existing line. The cost is per order.

### CCSAC

CCSAC is a service offering which allows a customer to interconnect with Qwest's Common Channel Signaling System 7 (CCS7) network. The customer can utilize the CCS7 Interconnection facilities to support multiple services. The digital signaling link provides the transmission path for network control signaling information.

### **B. DESCRIPTION OF SERVICE (Cont'd)**

### **STP Port**

The point of termination to signal switching capabilities of the STP. One port is required per link. The cost is per order per port.

### **Option Activation Charge**

The CCSAC Option Activation Charge is assessed for adding or changing a point code in the signaling network for each basic or database application. A basic application would typically use ISDN user part (ISUP) messages for establishing and closing transmission paths. A database application would use Transaction capabilities application part (TCAP) messages to carry information between signaling points for databases services. When the customer initially orders CCSAC Service and the associated application, the first point code is provided at no charge. Each additional point code on the same order is assessed the "Each Additional Point Code" rate.

### ADDITIONAL ENGINEERING, LABOR, TESTING

Additional Engineering, Labor, Testing is incurred by the Company for additional time associated with engineering (additional technical information already provided), labor (incurred to accommodate a specific customer request or overtime), maintenance (trouble report with no trouble found in company facilities) or testing (not performed during the installation of service). The cost is per each half-hour or per month, as appropriate.

### **Additional Dispatch Charge**

An additional dispatch charge applies to a service order if another trip to the premise is necessary due to customer reasons. The cost is per occurrence.

### **Date Change**

A customer may request a Date Change to an existing order any time prior to notification by the telephone company that service is available for use. When the customer indicates that service cannot be accepted on the service date, the company accordingly delays the start of service and a Service Date Change Charge will apply. The cost is per order per occurrence.

### **Design Change**

Design Change is incurred by the Company to review the original service design and make the changes necessary to meet a customer request. Design changes include such things as a change of end user premises within the same serving wirecenter, the addition or deletion of optional features, functions, BSE's or a change in the type of transport termination, type of channel interface, interface group or technical specifications package. The cost is per order per occurrence.

### UNBUNDLED NETWORK ELEMENT PLATFORM

A Co-Provider may order a pre-assembled combination of Unbundled Network Elements on an "as is" basis as defined as an existing 2 wire voice grade analog circuit connecting to a compatible port with like-to-like service. Such pre-assembled combinations of loop, switch line port and shared transport shall be ordered and converted to the Co-Provider in accordance with the ordering provisions for resale services.

Qwest is not required to assemble or combine on behalf of the Co-Provider any Unbundled Network Elements that have not been combined by Qwest at the time of the Co-Provider's order.

The cost is per first and each additional line per order. This applies to existing customers and new customers.

### **B. DESCRIPTION OF SERVICE (Cont'd)**

UNBUNDLED NETWORK ELEMENT COMBINATION - PRIVATE LINE (EEL, LMC)

A Co-Provider may order a pre-assembled combination of Unbundled Network Elements on an "as is" basis as defined as an existing circuit connecting to a compatible port with like-to-like

service. Such pre-assembled combinations of loop, switch line port and shared transport shall be ordered and converted to the Co-Provider in accordance with the ordering provisions for resale services.

Qwest is not required to assemble or combine on behalf of the Co-Provider any Unbundled Network Elements that have not been combined by Qwest at the time of the Co-Provider's order. The cost is per private line order. This applies to existing customers.

### ENHANCED EXTENDED LINK

The Enhanced Extended Loop (EEL) is a private line transport like service available to Co-Providers. EEL originates in the Qwest wire center where the Co-Provider's equipment is collocated. The EEL provides the Co-Provider with the ability to access end users not located in the same Qwest Serving Wire Center collocated by the Co-Provider. EEL is available only in designated Qwest Serving Wire Centers where permitted by regulatory order. EEL may not cross LATAs.

# ACCESS TO POLES, DUCTS, CONDUITS AND RIGHT OF WAY Pole, Innerduct Inquiry

These fees are intended to cover expenses associated with performing an internal record (database) review, preparing a cost estimate for the required field survey, public record review, setting up an account, and determining time frames for completion of each task to meet the CLECs Request.

The Pole Inquiry and Innerduct Inquiry costs are per mile.

### Pole, Innerduct (Manhole) Verification

Upon review and acceptance of signed Attachment 1.B and payment of the verification fees by the CLEC, Qwest will conduct facilities verification and provide the requested information which may or may not include the following: a review of public and internal Qwest right-of-way records for restrictions, identification of additional rights-of-way required; a field survey and site investigation of the Innerduct, including the preparation of distances and drawings, to determine availability on existing Innerduct; identification of any make-ready costs required to be paid by the CLEC, if applicable, prior to installing its facilities.

The pole verification cost is per pole.

The manhole verification cost is per manhole.

### **BONA FIDE REQUEST PROCESS**

The purpose of the BFR process is to receive and analyze bona fide requests for interconnection or access to new unbundled network elements from co-carriers (competitive local exchange carriers or CMRS wireless providers). The cost is per request.

### **B. DESCRIPTION OF SERVICE (Cont'd)**

### **NEW UNE-P DID**

UNE-P DID (Direct Inward Dialing) service is a combination of pre-existing elements which provides a special trunking arrangement. UNE-P DID allows incoming calls from the exchange network to reach specific PBX stations directly without an attendant's assistance. These trunks

are provided as a line-side connection off the switch. The co-provider must subscribe to a sufficient number of trunk orts to adequately handle the volume of incoming calls. DID service is offered with analog or digital 2-way. If digital, the individual DSO's are 2-way trunks using advanced service that requires DID ports.

### **NEW UNE-P DSS**

Digital Switched Service (DSS) provides digital exchange service for PBX customers. DSS includes a DSS facility, common equipment, local exchange switching and flat usage trunks for access to the local exchange and toll networks. Each DSS facility utilizes 24 channels that may be configured as either basic or advanced trunks, as defined below, or a combination of both types of trunks.

### **Basic Trunks**

- <u>In-Only Trunk</u> One-way trunk which only allows traffic from the central office switch to be transmitted to the PBX.
- Out-Only Trunk One-way trunk that only allows traffic originating in the PBX to be transmitted to the central office switch.
- <u>Two-Way Trunk</u> Trunk which allows for traffic to be transmitted from either the central office or the PBX.

### **Advanced Trunks**

- In-Only with DID Trunk In-only trunk with Direct Inward Dialing (DID) feature.
- Out-Only Trunk with Answer Supervision Out-Only trunk with answer supervision feature.
   This feature passes answer back signaling from the central office switch to the customer's PBX when a PBX call has been either completed or answered.
- <u>Two-Way Trunk with DID and Answer Supervision</u> TwoWay trunk with DID and answer supervision features. Requires a DID trunk circuit termination.

### **NEW UNE-P PRI**

ISDN Primary Rate Service (PRS) is a digital four-wire full duplex transmission path between a digital PBX or other communications terminal and an ISDN equipped central office. One PRS can provide up to twenty-three 64 KBPS "B" channels for circuit switched voice or data services and one 64 kbps "D" channel to provide the out-of-band signaling for the B channels. A PRS is provisioned using a DS1 facility with Clear Channel Capability. The DS1 facility consists of 24 time slots. PRS supports circuit switched voice or data access to the circuit switched network. Currently, PRS does not offer packet services on either the B or the D channel.

### **NEW UNE-P BRI ISDN**

ISDN BRI Port is a 2B+D PACKAGE. Contained in the standard BRI port is base voice and data elements. For flexibility and customization optional features can be added. Within the standard package there is limited flexibility for customization. ISDN BRI Port does not offer B-Channel packet service capabilities. The non-recurring charges for each UNE will apply.

### B. DESCRIPTION OF SERVICE (Cont'd)

Standard features and functions include:

2B+D

**AIOD** 

Additional Call Appearance

B Channel Circuit Switched Data

Call Exclusion

Call Forward Busy Line

Call Forward Don't Answer

Call Forward Variable

Call Hold

Call Transfer

Calling Number Delivery Blocking/Call

Calling Party Number Delivery

Common Block

Conference Calling – 3 Way

D Channel Packet Switched Data

Display Calling Number (OCLID)

Display Called Number (ICLID)

Drop

Intercom

Message Waiting Indicator Audible/Visual

**Primary Directory Number** 

Ringing

Secondary Directory Number

Shared Call Appearance

Speed Call 30

Standard Configuration Group

X.25 Fast Select

X.25 Flow Control Parameter Negotiation

X.25 Logical Channels

X.25 Reverse Charging

X.25 Throughout Class Negotiation

### LOOP MUX COMBINATION

The Loop Mux Combination (LMC) offering is a combination of an unbundled loop with a multiplexer. The LMC must be collocated within the same Qwest Wire Center. An EEL loop may also be connected to the LMC multiplexer.

Loop Mux provides the Co-provider with the availability to access end users and aggregate DS1 or DSO loops to a higher bandwidth via a DS1 or DS3 multiplexer. There is no transport between the multiplexer and collocation with the Loop Mux combination. The Loop Mux facility must terminate in a collocation. The connection to the collocation is provided by an ITP (Interconnection Tie Pair).

### **B. DESCRIPTION OF SERVICE (Cont'd)**

The cost elements are as follows:

UNE-Combination LMC Multiplexer DS1 TO DSO

UNE-Combination LMC Multiplexer DS3 TO DS1

**UNE-Combination LMC-Loop DSO First** 

UNE-Combination LMC-Loop DSO Each additional

**UNE-Combination LMC-Loop DS1 First** 

### UNBUNDLED PACKET SWITCHING

### **Customer Channel:**

UPS Customer Channel connectivity from the QWEST ATM to the Remove DSLAM. This element consists of: DSLAM functionality (programming of the port and card, splitter and Heikimian Test Head), and Virtual channel that will serve as the originating and terminating points for Virtual Path Connections (VPCs) and Virtual Channel Connections (VCCs) (transport between the DSLAM and Qwest ATM).

### **Shared Distribution Loop:**

Subloop is defined as any portion of the loop that is technically feasible to access at terminals in Qwest's outside plant, including inside wire (owned by Qwest). An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case and/ or digging up underground to reach the wire or fiber within. Such access points may include, but are not limited to, the pole or pedestal, the network interface device (NID), the minimum point of entry, the single point of interconnection (at multi-unit premises), the main distribution frame, Serving Area Interface (SAI) and/or the remote terminal, and the feeder distribution interface (FDI).

### **Unbundled Distribution Subloop:**

Shared Distribution Subloop is defined as making available the opportunity for the CLEC to offer advanced data services on the distribution loop simultaneously with an existing end user's analog voice grade service (POTS) which is provided by Qwest. The voice circuit is originating at the Qwest Central office and terminates at the Network Interface at the customer location. The data originates at the CLECs Remote location, which has been established at the technically feasible distribution interface point within the local loop.

### **ATM Switch Interface Port**

Unbundled packet ATM Switch Interface Port:

- DS1 or DS3 interface is the physical entry point into the ATM Cell Relay Service Network.
- This UNE is a prerequisite to ordering an Unbundled Packet Switching Customer Channel

ATM Cell Relay Service ports are the physical entry points into the ATM Cell Relay Service Network. They are the originating and terminating points for Virtual Path Connections and Virtual Channel Coinnections. Ports include the electronic equipment used in connecting these service elements to the ATM Cell Relay Service Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 1.5 Mbit/s, 45 Mbit/s or 155 Mbit/s.

### C. STUDY METHODOLOGY

The Nonrecurring Cost Program (NRC) performs mechanized cost calculations associated with the one time labor expense resulting from a customer request for service. Inputs to the calculations include: labor time, probability of occurrence, labor rate, and expense factors. Formatting commands performed by the program generate Total Element Long Run Increment Cost (TELRIC) results.

### Following is a description of the required data inputs:

### **Time Estimates:**

The time estimate is the average amount of time required to perform a particular work function. Time estimates are obtained from subject matter experts who represent the groups doing the work.

### **Probabilities:**

A probability is the percentage of time Qwest performs a particular work function in the provision of a particular service offering. Probabilities are developed from reports and from the input of Subject Matter Experts.

### **Labor Rates:**

Directly assigned labor rates are based on expense data from the general ledger journal file (Service Order Processing/Other) and from the incurred expenses of Account 6534 (Plant) and 6535 (Engineering). The directly assigned labor rates consist of costs that can be attributed to the function being performed and are forward looking based on the wage and salary index, the percent change in the post-retirement benefits, and the Consumer Price Index. Components that make up labor rates include: basic wages and salaries, supervision and support, benefits, and other miscellaneous costs.

### **Expense Factors:**

The program applies expense factors to the direct cost. The factors include Commercial Marketing, Network Support, Directly Attributable, and Common.

Once the service provisioning process has been identified, the appropriate times, Probabilities, and labor rate/work group identifies are formatted into NRC Program input data sheets. The process specific input files are then inserted into the NRC Program. The program user selects run options on a menu, and the NRC program then accesses the appropriate input from the NRC program workbook spreadsheets to calculate cost results.

The cost calculations consist of Labor Time times Probability of Occurrence times Labor Rate equals Direct Cost. Added to the Direct cost are appropriate Expense Factors that calculate and display Total Direct (TELRIC) Total Element Long Run Incremental Cost, Direct plus Network Support, Direct plus Network Support plus Attributable, and Fully Allocated Costs. (See Section D, Description of Total Element Long Run Incremental Costs for detailed description of the various cost levels).

# D. DESCRIPTION OF TOTAL ELEMENT LONG RUN INCREMENTAL COSTS

Qwest performs Total Element Long Run Incremental Cost (TELRIC) studies to estimate the economic cost of providing network elements. The Qwest TELRIC studies identify the forward-looking costs associated with the provision of the total quantity of a network element in the long run. The <u>forward-looking</u> Qwest TELRIC studies identify the costs that are likely to be incurred in the future, and consider the latest forward-looking technologies and methods of operation that are currently available. These studies are *not* embedded or historical, and do not measure the impact of prior investment decisions by the corporation. The Qwest TELRIC studies also identify the <u>long run</u> costs associated with providing a network element—reflecting a time period

over which all inputs (including changes in the size of facilities, levels of investment, etc.) can be adjusted.

The Qwest cost study format disaggregates the cost results, on a unitized basis, into the following components:

Investment-Based Costs and Other Element-Specific Expenses are direct costs. Investment Based Costs are associated with recurring cost elements and include the capital costs (e.g., depreciation, return, taxes) and maintenance costs associated with the investment required for provisioning a network element. Element-specific Expenses are other network element costs such as billing and for non-recurring costs, the labor-related expenses associated with the provision of a network element.

Marketing and Business Fees are direct costs for which Qwest's accounting records typically allow tracking down to a particular product or service group.

Other Direct Costs include network administration and engineering costs and various other administrative costs such as the cost of general-purpose computers and accounting and finance expenses. These costs are not directly associated with a specific network element. However, these costs vary with the provision of all network elements, and are not common to the entire firm.

Total Element Long Run Incremental Costs (TELRIC) represent the sum of all direct costs (e.g., Investment-Based Costs and Other Element-Specific Expenses, Marketing and Business Fees and Other Direct Costs). This measure of costs includes the forward-looking costs incurred in the provision of a network element. This measure of costs is consistent with TELRIC as defined by the FCC.

**Common Costs** are associated with the enterprise as a whole. These costs do vary based on the total size of the firm, but do not vary with the provisioning of individual network elements. These costs are avoidable only with the elimination of the entire firm, and are sometimes referred to as *general overhead costs*.

Fully Allocated Costs represent the sum of Total Element Long Run Incremental Cost plus Common Costs (TELRIC + CC).

### E. STUDY ASSUMPTIONS

The cost factors used in this study are based on Prescribed Lives.

### F. STUDY SUMMARY

**Study Summary** 

	Study Sulfinial y						
Study Name	South Dakota Interconnection Docket						
Study Requester	Doug Gollehon						
Type of Study	Total Element Long Run Incremental Costs (TELRIC)						
Study ID	# 6454						
Study Applications	Pricing Decisions and Tariff Support						
<b>Completion Date</b>	June 3, 2002						
Cost Analyst	Dan Deffley/Denise Eoriatti						
Cost Models Used	Model Vo	ersion/Release Date					
	ENRC	ENRC 217					
		02SD01E					
Cost Factors Used	Factor	Effective Date					
	Directly Assigned	4/02					
	Directly Attributable	4/02					
	Common	4/02					
		-					
		_					
Cost of Money	10.14%	4/02					
Major Cost Drivers	Labor Times, Labor Rates and associated weightings.	!					

# NUATION

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### **G. NONRECURRING COST SUMMARY**

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

### **Total Direct Costs and Common Costs**

Cost Element	Direct +	Marketing & Bus. Fees =	Direct.+ Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED	\$0.49 +	\$0.02 =	<b>\$0.51</b> +	\$0.14 =	\$0.64 +	\$0.05 =	\$0.69
CUSTOMER TRANSFER CHARGE POTS EA ADDL MECHANIZED	\$0.10 +	\$0.00 =	\$0.10 +	\$0.03 =	\$0.13 +	\$0.01 =	\$0.14
CUSTOMER TRANSFER CHARGE POTS FIRST MANUAL	\$11.75 +	\$0.39 =	\$12.14 +	\$3.30 =	\$15.44 +	\$1.10 =	\$16.54
CUSTOMER TRANSFER CHARGE POTS EA ADDL MANUAL	\$1.96 +	\$0.07 =	\$2.02 +	\$0.55 =	\$2.57 +	\$0.18 =	\$2.76
CUSTOMER TRANSFER CHARGE PRIVATE LINE FIRST	\$25.04 +	\$0.84 =	\$25.88 +	\$7.04 <i>=</i>	\$32.91 +	\$2.35 <i>=</i>	\$35.26
CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADDL	\$25.04 +	\$0.84 =	\$25.88 +	\$7.04 =	\$32.91 +	\$2.35 =	\$35.26
CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT	\$37.20 +	\$1.24 =	\$38.44 +	\$10.45 =	\$48.90 +	\$3.49 =	\$52.38
DS1 ENTRANCE FACILITY	\$158.57 ÷	\$5.29 =	\$163.86 +	\$44.56 =	\$208.42 +	<b>\$14.86</b> =	\$223.28
DS3 ENTRANCE FACILITY	\$213.88 +	\$7.14 =	\$221.01 +	\$60.10 =	\$281.11 +	\$20.04 =	\$301,15
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only)	\$148.36 +	\$4.95 =	\$153.31 +	\$41.69 =	\$195.00 +	\$13.90 =	\$208.90
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only)	\$148.36 +	\$4.95 =	\$153.31 +	\$41.69 =	\$195.00 +	\$13.90 =	\$208.90
SWITCHED TRANSPORT DS1 TRUNK FIRST	\$176.54 +	\$5.89 =	\$182.43 +	\$49.61 =	\$232.04 +	<b>\$16.54</b> =	\$248.59
SWITCHED TRANSPORT DS1 TRUNK EA ADDL	\$4.27 +	\$0.14 =	\$4.42 +	\$1.20 =	\$5.62 +	\$0.40 =	\$6.02
SWITCHED TRANSPORT DS3 TRUNK FIRST	\$181.46 <b>+</b>	\$6.05 =	<b>\$187.51</b> +	\$50.99 =	\$238.50 +	\$17.00 =	\$255.51
SWITCHED TRANSPORT DS3 TRUNK EA ADDL	\$9.20 +	\$0.31 =	\$9.51 +	\$2.58 =	\$12.09 +	\$0.86 =	\$12.95
CLEC TO CLEC COLLOCATION CROSS-CONNECTION	\$158.90 <b>+</b>	\$5.30 =	\$164.20 +	\$44.65 =	\$208.85 +	\$14.89 <b>=</b>	\$223.74
CABLE UNLOADING/BRIDGE TAP REMOVAL	\$470.98 +	\$15.71 =	\$486.69 +	\$132.35 <b>=</b>	\$619.04 +	<b>\$44.13</b> =	\$663.17

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

one a superior de la companya de la companya de la companya de la companya de la companya de la companya de la Cost Ejement	Direct +	Marketing & Bus. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
	<b>_</b>		<b>.</b>	<b>.</b>			
LOOP BASIC INSTALL FIRST Mechanized	\$67.09 +	\$2.24 =	\$69.33 +	\$18.85 =	\$88.18 +	\$6.29 =	\$94.47
LOOP BASIC INSTALL EA ADDL Mechanized	\$55.91 +	\$1.87 =	\$57.78 +	\$15.71 =	\$73.49 +	\$5.24 =	\$78.73
LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized	\$142.12 +	\$4.74 =	\$146.86 +	\$39.94 =	\$186.80 ÷	\$13.32 =	\$200.12
LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized	\$100.56 +	\$3.36 =	\$103.92 +	\$28.26 =	\$132.18 +	\$9.42 =	\$141.60
LOOP COORD INSTALL, COOP TESTING FIRST Mechanized	<b>\$</b> 170.95 +	\$5.70 =	\$176.66 +	\$48.04 =	\$224.70 +	\$16.02 =	\$240.71
LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized	\$100.56 +	\$3.36 =	\$103.92 +	\$28.26 =	\$132.18 +	\$9.42 =	\$141.60
LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized	\$72.20 +	\$2.41 =	\$74.61 +	\$20.29 =	\$94.90 +	\$6.77 =	\$101.67
LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized	\$61.02 +	\$2.04 =	\$63.06 +	\$17.15 =	\$80.21 +	\$5.72 =	\$85.92
LOOP BASIC INSTALL COOP TESTING FIRST Mechanized	\$142.12 +	\$4.74 =	\$146.86 +	\$39.94 =	\$186.80 +	\$13.32 =	\$200.12
LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized	\$100.56 +	\$3.36 =	\$103.92 +	\$28.26 =	\$132.18 +	\$9.42 =	\$141.60
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST	\$127.70 +	\$4.26 =	\$131.96 +	\$35.88 =	\$167.84 +	\$11.96 =	\$179.80
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL	\$87.23 +	\$2.91 =	\$90.14 +	\$24.51 =	<b>\$114.65</b> +	\$8.17 =	\$122.82
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST	\$224.39 +	\$7.49 =	\$231.88 +	\$63.05 =	\$294.93 +	\$21.02 =	\$315.96
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL	<b>\$154.27</b> +	\$5.15 =	\$159.42 +	\$43.35 =	\$202.77 +	\$14.45 =	\$217.23
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST	\$253.22 +	\$8.45 =	\$261.67 +	\$71.16 =	\$332.83 +	\$23.73 =	\$356.55
D\$1,D\$3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL	<b>\$154.27</b> +	\$5.15 =	\$159.42 +	\$43.35 =	\$202.77 +	<b>\$14.45</b> =	\$217.23
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST_FIRST	\$134.27 +	\$4.48 =	\$138.75 +	\$37.73 =	\$176.48 +	\$12.58 =	\$189.06
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST EA ADDL	\$93.80 +	\$3.13 =	\$96.93 +	\$26.36 =	\$123.29 +	\$8.79 =	\$132.07
DS1, DS3, OCN 3, 12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST	\$224.39 +	\$7.49 =	\$231.88 +	\$63.05 =	\$294.93 +	\$21.02 <i>=</i>	\$315.96
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL	\$154.27 +	\$5.15 =	\$159.42 +	\$43.35 =	\$202.77 +	\$14.45 =	\$217.23
PRIVATE LINE TO UNBUNDLED LOOP CONVERSION	\$26.54 +	\$0.89 =	\$27.42 +	<b>\$7.46</b> =	\$34.88 +	\$2.49 =	\$37.36

### NONRECURRING ELEMENTS STUDY 6454

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Cost Element	Direct +	Marketing & Bus. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Gammon
SUBLOOP DISTRIBUTION FIRST	\$79.98 +	\$2.67 =	\$82.64 +	\$22.47 =	\$105.12 +	\$7.49 =	\$112.61
SUBLOOP DISTRIBUTION EACH ADDITIONAL	\$22.95 +	\$0.77 =	\$23.72 +	\$6.45 =	\$30.17 +	\$2.15 =	\$32.32
SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST	\$41.32 +	\$1.38 =	\$42.70 +	\$11.61 =	\$54.31 +	\$3.87 =	\$58.18
SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL	\$17.24 +	\$0.58 =	\$17.81 +	\$4.84 =	\$22.66 +	\$1.61 =	\$24.27
SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order	\$73.22 +	\$2.44 =	\$75.66 +	\$20.57 =	\$96.24 +	\$6.86 =	\$103.10
SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order	\$24.35 +	\$0.81 =	\$25.16 +	\$6.84 =	\$32.00 +	\$2.28 =	\$34.29
SUBLOOP MTE-POI SITE INVENTORY per request	\$95.93 +	\$3.20 =	\$99.13 +	\$26.96 =	\$126.08 +	\$8.99 =	\$135.07
SUBLOOP DS1 FEEDER FIRST	\$233.54 +	\$7.79 =	\$241.34 +	\$65.63 =	\$306.96 +	\$21.88 =	\$328.85
SUBLOOP DS1 FEEDER EACH ADDITIONAL	\$165.65 +	\$5.53 =	\$171.18 +	\$46.55 =	\$217.73 +	\$15.52 =	\$233.25
SUBLOOP FIELD CONNECTION POINT QUOTATION PREP FEE	\$954.43 +	\$31.84 =	\$986.27 +	\$268.20 =	\$1,254.47 +	\$89.43 =	\$1,343.90
FIELD CONNECTION POINT RECLASSIFICATION	\$422.92 +	\$14.11 =	\$437.03 +	\$118.84 =	\$555.87 +	\$39.63 =	\$595.50
SHARED LOOP (per loop per order) Mechanized	\$26.47 +	\$0.88 =	\$27.35 +	\$7.44 =	\$34.79 +	\$2.48 =	\$37.27
NETWORK INTERFACE DEVICE	\$49.62 +	\$1.66 =	\$51.28 +	\$13.94 =	\$65.23 +	\$4.65 =	\$69.87
UDIT DSO	\$196.11 +	\$6.54 =	\$202.65 +	\$55.11 =	\$257.76 +	\$18.37 =	\$276.13
UDIT DS1/DS3/OC3/OC12/OC48	\$228.56 +	\$7.63 =	\$236.18 +	\$64.23 =	\$300.41 +	\$21.41 =	\$321.82
UDIT M1-0 MULTIPLEXING HIGH SIDE	\$171.38 +	\$5.72 =	\$177.10 +	\$48.16 =	\$225.26 +	\$16.06 =	\$241.32
UDIT M1-3 MULTIPLEXING	\$2,138.71 +	\$71.36 =	\$2,210.06 +	\$600.99 =	\$2,811.05 +	\$200.39 =	\$3,011.44

## **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

Cost Element	Direct +	Marketing & Bue. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC 4	Common =	TELFIC + Common
UDIT M1-0 MULTIPLEXING LOW SIDE	\$146.97 +	\$4.90 =	\$151.87 +	\$41.30 =	\$193.17 +	\$13.77 =	\$206.94
EUDIT DS1/DS3/OC3/OC12/OC48	\$270.76 +	\$9.03 =	\$279.79 +	\$76.08 =	\$355.87 +	\$25.37 =	\$381.24
UDIT DS0 REARRANGEMENT SINGLE OFFICE	\$120.45 +	\$4.02 =	\$124.47 +	\$33.85 =	\$158.32 +	\$11.29 =	\$169.61
UDIT DS0 REARRANGEMENT DUAL OFFICE	\$151.34 +	\$5.05 =	\$156.39 +	\$42.53 =	\$198.92 +	\$14.18 =	\$213.10
UDIT HICAP REARRANGEMENT SINGLE OFFICE	\$165.28 +	\$5.51 =	\$170.80 +	\$46.44 =	\$217.24 +	\$15.49 =	\$232.73
UDIT HICAP REARRANGEMENT DUAL OFFICE	\$185.21 +	\$6.18 =	\$191.39 +	\$52.05 =	\$243.44 +	\$17.35 =	\$260.79
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12	\$151.96 +	\$5.07 =	\$157.03 ÷	\$42.70 <b>=</b>	\$199.73 +	\$14.24 =	\$213.97
DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE	\$182.00 +	\$6.07 =	\$188.08 +	<b>\$51.14</b> =	\$239.22 +	\$17.05 =	\$256.27
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX	\$213.66 +	\$7.13 =	\$220.79 +	\$60.04 =	\$280.82 +	\$20.02 =	\$300.84
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION	\$728.31 +	\$24.30 =	\$752.61 +	\$204.66 =	\$957.27 +	\$68.24 =	\$1,025.51
DARK FIBER - ENGINEER VERIFICATION	\$250.17 +	\$8.35 =	\$258.52 +	\$70.30 =	\$328.82 +	\$23.44 =	\$352.26
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR	\$380.57 +	\$12.70 =	\$393.26 +	\$106.94 =	\$500.21 +	\$35.66 =	\$535.86
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR	\$196.15 +	\$6.54 =	\$202.70 +	\$55.12 =	\$257.81 +	\$18.38 =	\$276.19
OPTICAL CROSS CONN - PER FIBER STRAND OR PAIR PER CENTRAL OFFICE	\$15.55 +	\$0.52 =	\$16.07 +	\$4.37 =	\$20.44 +	\$1.46 =	\$21.90
DARK FIBER - SPLICE	\$478.32 +	\$15.96 =	\$494.28 +	\$134.41 =	\$628.69 +	\$44.82 =	\$673.51
9.10.1 DS1 LOCAL MESSAGE TRUNK PORT	\$159.40 +	\$5.32 =	\$164.72 +	\$44.79 =	\$209.52 +	<b>\$14.94</b> =	\$224.45
9.10.2 TRUNK GROUP, FIRST	\$155.72 +	\$5.20 =	\$160.92 +	\$43.76 =	\$204.68 +	\$14.59 =	\$219.27
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK	\$17.67 +	\$0.59 =	\$18.26 +	\$4.96 =	\$23.22 +	\$1.66 =	\$24.88

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

		Marketing &	Direct +	Other Direct			TELRIC+
Cost Element	Direct +	Bus. Fees =	Marketing +	Expenses =	TELRIC +	Common =	Common
9.11.1 ANALOG LINESIDE PORT FIRST	\$116.57 <b>+</b>	\$3.89 =	\$120.46 +	\$32.76 =	\$153.21 +	\$10.92 =	\$164.13
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL	\$72.47 +	\$2.42 =	\$74.88 +	\$20.36 =	\$95.25 +	\$6.79 =	\$102.04
ACCOUNT CODES, PER SYSTEM	\$57.72 <b>+</b>	\$1.93 =	\$59.65 +	\$16.22 =	\$75.87 +	\$5.41 =	\$81.28
ATTENDANT ACCESS LINE - PER STATION LINE	\$0.83 +	\$0.03 =	\$0.86 +	\$0.23 =	\$1.10 +	\$0.08 =	\$1.17
AUDIBLE MESSAGE WAITING	\$0.73 +	\$0.02 =	\$0.75 +	\$0.21 =	\$0.96 +	\$0.07 =	\$1.03
AUTHORIZATION CODES - PER SYSTEM	\$172.64 <b>+</b>	\$5.76 <i>=</i>	\$178.40 +	\$48.51 <i>=</i>	\$226.91 +	\$16.18 <i>=</i>	\$243.08
AUTOMATIC LINE, per station line	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
ARS - COMMON EQUIPMENT, per system	\$1,514.72 +	\$50.54 =	\$1,565.26 +	\$425.64 =	\$1,990.90 +	\$141.92 =	\$2,132.83
CALL DROP	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
CALL EXCLUSION - AUTOMATIC	\$0.73 +	\$0.02 =	\$0.75 +	\$0.21 =	\$0.96 +	\$0.07 =	\$1.03
CALL EXCLUSION - MANUAL	\$0.48 +	\$0.02 =	\$0.50 +	\$0.14 =	\$0.63 +	\$0.05 =	\$0.68
CFBL INCOMING ONLY	\$27.36 +	\$0.91 =	\$28.27 +	\$7.69 =	\$35.96 +	\$2.56 =	\$38.52
CFDA INCOMING ONLY	\$27.36 +	\$0.91 =	\$28.27 +	\$7.69 =	\$35.96 +	\$2.56 =	\$38.52
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE	\$0.73 +	\$0.02 =	\$0.75 +	\$0.21 =	\$0.96 +	\$0.07 =	\$1.03
CALL WAITING INDICATION, per unique timing state, per timing state	\$0.73 +	\$0.02 =	\$0.75 +	\$0.21 =	\$0.96 +	\$0.07 =	\$1.03
CENTREX COMMON EQUIPMENT	\$870.23 +	\$29.04 =	\$899.26 +	<b>\$244.54</b> =	\$1,143.80 +	\$81.54 =	\$1,225.34
CLASS - CONTINUOUS REDIAL, PER NUIMBER	\$0.91 +	\$0.03 =	\$0.94 +	\$0.26 =	\$1.20 +	\$0.09 =	\$1.28
CLASS - LAST CALL RETURN, PER NUMBER	\$0.92 +	\$0.03 =	\$0.95 +	\$0.26 =	\$1.20 +	\$0.09 =	\$1.29
CLASS - PRIORITY CALLING, PER NUMBER	\$0.87 +	\$0.03 =	\$0.90 +	\$0.24 =	<b>\$1</b> .14 +	\$0.08 =	\$1.22
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	\$0.91 +	\$0.03 =	\$0.94 +	\$0.26 =	\$1.20 +	\$0.09 =	\$1.28
CLASS - SELECTIVE CALL REJECTION, PER NUMBER	\$0.87 +	\$0.03 =	\$0.90 +	\$0.24 =	\$1.14 +	\$0.08 =	\$1.22

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

Cost Element	Direct +	Marketing & Bus. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
DIR STA SEL/BUSY LAMP FLD, per arrangement	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
DIRECTED CALL PICK UP BARGE-IN	\$14.55 +	\$0.49 =	\$15.03 +	\$4.09 =	\$19.12 +	\$1.36 =	\$20.48
DIRECTED CALL PICKUP WITHOUT BARGE-IN	\$14.55 +	\$0.49 =	\$15.03 +	\$4.09 =	\$19.12 +	\$1.36 =	\$20.48
DISTINCTIVE RING/DISTINCTIVE CALL WAITING	\$29.08 +	<b>\$</b> 0.97 =	\$30.05 +	\$8.17 =	\$38.23 +	\$2.73 =	\$40.95
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	\$51.88 +	\$1.73 =	\$53.61 +	\$14.58 =	\$68.19 +	\$4.86 =	\$73.05
FACILITY RESTRICTION LEVEL - PER SYSTEM	\$31.92 +	\$1.06 =	\$32.98 +	\$8.97 =	\$41.95 +	\$2.99 =	\$44.94
GROUP INTERCOM - PER LINE	\$0.33 +	\$0.01 =	\$0.34 +	\$0.09 =	\$0.43 +	\$0.03 =	\$0.46
HOT LINE - per line equipped, per line	\$0.73 +	\$0.02 =	\$0.75 +	\$0.21 =	\$0.96 +	\$0.07 =	\$1.03
HUNTING - MULTIPOSITION HUNT QUEUING - per group	\$27.84 +	\$0.93 =	\$28.77 +	\$7.82 =	\$36.59 +	\$2.61 =	\$39.20
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	\$27.84 +	\$0.93 =	\$28.77 +	\$7.82 =	\$36.59 +	\$2.61 =	\$39.20
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	\$29.40 +	\$0.98 =	\$30.38 +	\$8.26 =	\$38.64 +	\$2.75 =	\$41.39
ISDN SHORT HUNT	\$1.23 +	\$0.04 =	\$1.27 ÷	\$0.34 =	\$1.61 +	\$0.11 =	\$1.73
LOUDSPEAKER PAGING TRUNK SIDE, per group	\$127.36 +	\$4.25 =	\$131.61 +	\$35.79 =	\$167.40 +	\$11.93 =	\$179.33
MAKE BUSY ARRANGEMENTS, per group	\$0.48 +	\$0.02 =	\$0.50 +	\$0.14 =	\$0.63 +	\$0.05 =	\$0.68
MAKE BUSY ARRANGEMENTS, per line	\$0.48 +	\$0.02 =	\$0.50 +	\$0.14 =	\$0.63 +	\$0.05 =	\$0.68
MESSAGE CENTER - per main station line, per line	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
MESSAGE WAITING VISUAL, per line	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
MUSIC ON HOLD - per system	\$16.69 +	\$0.56 =	\$17.25 +	\$4.69 =	\$21.94 +	\$1.56 =	\$23.50
PRIVACY RELEASE, per station line	\$0.34 +	\$0.01 =	\$0.35 +	\$0.10 =	\$0.45 +	\$0.03 =	\$0.48
QUERY TIME, per station line	\$0.25 +	\$0.01 =	\$0.26 +	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

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Cost Element	Dilace +	Dus. 1 995 =	такету +	Expenses =	TELRIC +	Ооники =	Common
STATION CAMP-ON, per main line, per line	\$0.25 +	\$0.01 =	\$0.26 ÷	\$0.07 =	\$0.33 +	\$0.02 =	\$0.35
TIME OF DAY CONTROL FOR ARS - PER SYSTEM	\$90.78 +	\$3.03 =	\$93.80 +	\$25.51 =	\$119.31 +	\$8.51 =	\$127.82
TIME OF DAY NOOS UPDATED, PER MAIN STATION	\$0.39 +	\$0.01 =	\$0.40 +	\$0.11 =	\$0.51 +	\$0.04 =	\$0.55
TIME OF DAY ROUTING, per line	\$0.37 +	\$0.01 =	\$0.38 +	\$0.10 =	\$0.49 +	\$0.03 =	\$0.52
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED	\$0.28 +	\$0.01 =	\$0.29 +	\$0.08 =	\$0.37 +	\$0.03 =	\$0.40
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line	\$0.48 +	\$0.02 =	\$0.50 +	\$0.14 =	\$0.63 +	\$0.05 =	\$0.68
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION	\$244.78 +	\$8.17 =	\$252.95 +	\$68.79 =	\$321.74 +	\$22.94 =	\$344.67
SMDR-P - ARCHIVED DATA	\$127.91 +	\$4.27 =	\$132.18 +	\$35.94 =	\$168.12 +	\$11.98 =	\$180.10
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	\$700.96 +	\$23.39 =	\$724.35 +	\$196.97 =	\$921.32 +	\$65.68 =	\$987.00
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION	\$350.48 +	\$11.69 =	\$362.17 +	\$98.49 =	\$460.66 +	\$32.84 =	\$493.50
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM	\$350.48 +	\$11.69 =	\$362.17 +	\$98.49 =	\$460.66 +	\$32.84 =	\$493.50
CONFERENCE CALLING - MEET ME - PER SYSTEM	\$30.64 +	\$1.02 =	\$31.67 +	\$8.61 =	\$40.28 +	\$2.87 =	\$43.15
CONFERENCE CALLING - PRESET - PER SYSTEM	\$30.64 +	\$1.02 =	\$31.67 +	\$8.61 =	\$40.28 +	\$2.87 =	\$43.15
CONFERENCE CALLING - STATION DIAL	\$32.92 +	\$1.10 =	\$34.02 +	\$9.25 =	\$43.27 +	\$3.08 =	\$46.36
9.12.1.4 SUBSEQUENT ORDER CHARGE	\$9.79 +	\$0.33 =	\$10.12 +	\$2.75 =	\$12.87 +	\$0.92 =	\$13.78
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN)	\$168.93 +	\$5.64 =	\$174.57 +	\$47.47 =	\$222.04 +	\$15.83 =	\$237.87
9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL	\$123.78 +	\$4.13 =	\$127.91 +	\$34.78 =	\$162.69 +	\$11.60 =	\$174.29
9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL	\$34.54 +	\$1.15 =	\$35.69 +	\$9.71 =	\$45.40 +	\$3.24 <i>=</i>	\$48.63
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT	\$452.46 +	\$15.10 =	\$467.55 +	\$127.14 =	\$594.70 +	\$42.39 =	\$637.09
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY	<b>\$151.44</b> +	\$5.05 =	\$156.49 +	\$42.56 =	\$199.05 +	\$14.19 =	\$213.24

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

Cost Element	Direct +	Marketing & Bus, Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST	\$90.21 +	\$3.01 =	\$93.22 +	\$25.35 =	\$118.56 +	\$8.45 =	\$127.02
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL	\$22.00 +	\$0.73 =	\$22.73 +	\$6.18 =	\$28.92 +	\$2.06 =	\$30.98
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	\$227.88 +	\$7.60 =	\$235.48 +	\$64.04 =	\$299.52 +	\$21.35 =	\$320.87
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	\$166.93 +	\$5.57 =	\$172.50 +	\$46.91 =	\$219.41 +	<b>\$15.64</b> =	\$235.05
CCSAC STP PORT	\$289.05 +	\$9.64 =	\$298.69 +	\$81.22 =	\$379.92 +	\$27.08 =	\$407.00
CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER	\$82.94 +	\$2.77 =	\$85.71 +	\$23.31 =	\$109.02 +	\$7.77 =	\$116.79
CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER	\$6.91 +	\$0.23 =	\$7.14 +	\$1.94 =	\$9.08 +	\$0.65 =	\$9.73
CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER	\$96.76 +	\$3.23 =	\$99.99 +	\$27.19 =	\$127.18 +	\$9.07 =	\$136.24
CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER	\$41.45 +	\$1.38 =	\$42.83 +	\$11.65 =	\$54.48 +	\$3.88 =	\$58.36
ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR)	\$22.97 +	\$0.77 =	\$23.74 +	\$6.45 =	\$30.19 +	\$2.15 =	\$32.34
ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00
ADDITIONAL LABOR INSTALLATION - OVERTIME (PER HALF HOUR)	<b>\$6.53</b> +	\$0.22 =	<b>\$6.75</b> +	\$1.83 =	\$8.58 +	\$0.61 =	\$9.19
ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR)	\$13.06 +	\$0.44 =	\$13.50 +	\$3.67 =	<b>\$</b> 17. <b>17</b> +	\$1.22 =	\$18.39
ADDITIONAL LABOR OTHER - BASIC (PER HALF HOUR)	\$20.02 +	\$0.67 =	\$20.69 +	\$5.63 =	\$26.31 +	\$1.88 =	\$28.19
ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR)	\$26.74 +	\$0.89 =	\$27.63 +	\$7.51 =	\$35.15 +	\$2.51 =	\$37.65
ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR)	\$33.47 +	\$1,12 =	\$34.59 +	\$9.41 =	\$43.99 +	\$3.14 =	\$47.13
TESTING AND MAINTENANCE - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

Cost Element		Marketing & lus. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +		TELRIC + Common
			-				
TESTING AND MAINTENANCE - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00
TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06
MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR)	\$20.02 +	\$0.67 =	\$20.69 +	\$5.63 =	\$26.31 +	\$1.88 =	\$28.19
MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR)	<b>\$26.74</b> +	\$0.89 =	\$27.63 +	\$7.51 =	\$35.15 ÷	\$2.51 =	\$37.65
MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR)	\$33.47 +	\$1.12 <i>=</i>	\$34.59 +	<b>\$9.41</b> =	\$43.99 +	\$3.14 =	\$47.13
ADDITIONAL COOP ACCEPTANCE TESTING - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95
ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00
ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06
NONSCHEDULED COOP TESTING - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95
NONSHCEDULED COOP TESTING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00
NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	<b>\$36.74</b> +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06
NONSCHEDULED MANUAL TESTING - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95
NONSCHEDULED MANUAL TESTING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00
NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06
COOPERATIVE SCHEDULED TESTING - LOSS (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 ÷	\$0.01 =	\$0.08
COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08
COOPERATIVE SCHEDULED TESTING - BALANCE (PER MONTH)	\$0.24 +	\$0.01 =	\$0.25 +	\$0.07 =	\$0.32 +	\$0.02 =	\$0.34
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08
COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08
MANUAL SCHEDULED TESTING - LOSS (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	\$0.01 =	\$0.17

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

Cost Element	Direct +	Marketing & Bus, Faes =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
	40.40	<b>*</b>	00.40	<b>^</b>	40.40	40.04	Δ0.4-
MANUAL SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	\$0.01 =	\$0.17
MANUAL SCHEDULED TESTING - BALANCE (PER MONTH)	\$0.48 +	\$0.02 =	\$0.50 +	\$0.13 =	\$0.63 +	\$0.04 =	\$0.68
MANUAL SCHEDULED TESTING - GAIN SLOPE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	\$0.01 =	\$0.17
MANUAL SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	\$0.01 =	\$0.17
ADDITIONAL DISPATCH CHARGE	\$87.72 +	\$2.93 =	\$90.65 +	\$24.65 =	\$115.30 +	\$8.22 =	\$123.51
DATE CHANGE	\$34.19 +	\$1.14 =	\$35.33 +	\$9.61 =	\$44.94 +	\$3.20 =	\$48.14
DESIGN CHANGE	\$74.81 +	\$2.50 =	\$77.31 +	\$21.02 =	\$98.33 +	\$7.01 =	\$105.34
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MECHANIZED EXISTING SERVICE	\$0.49 +	\$0.02 =	\$0.51 +	\$0.14 =	\$0.64 +	\$0.05 =	\$0.69
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MECHANIZED EXISTING SERVICE	\$0.10 +	\$0.00 =	\$0.10 +	\$0.03 =	\$0.13 +	\$0.01 =	\$0.14
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MANUAL EXISTING SERVICE	\$11.75 +	\$0.39 =	\$12.14 +	\$3.30 =	<b>\$15.44</b> +	\$1.10 =	\$16.54
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MANUAL EXISTING SERVICE	\$1.96 +	\$0.07 =	\$2.02 +	\$0.55 =	\$2.57 +	\$0.18 =	\$2.76
UNE-P PBX DID TRUNKS EXISTING SERVICE	\$21.37 +	\$0.71 =	\$22.09 +	\$6.01 =	\$28.09 +	\$2.00 =	\$30.09
UNE-P PBX DID TRUNKS EXISTING SERVICE EACH ADDL	\$2.00 +	\$0.07 =	\$2.07 +	\$0.56 =	\$2.63 +	\$0.19 =	\$2.82
UNE-PISDN BRI EXISTING SERVICE FIRST	\$22.71 +	\$0.76 =	\$23.46 +	\$6.38 =	\$29.85 +	\$2.13 =	\$31.97
UNE-PISDN BRI EXISTING SERVICE EACH ADDL	\$2.00 +	\$0.07 =	\$2.07 +	\$0.56 =	\$2.63 +	\$0.19 =	\$2.82
UNE-P ISDN PRI, DSS Per DS1 Facility EXISTING SERVICE	\$20.71 +	\$0.69 =	\$21.40 +	\$5.82 =	\$27.21 +	\$1.94 =	\$29.15
UNE-P ISDN PRI, DSS Per First Trunk EXISTING SERVICE	\$21.37 +	\$0.71 =	\$22.09 +	\$6.01 =	\$28.09 +	\$2.00 =	\$30.09
UNE-P ISDN PRI, DSS Per Each Addl Trunk EXISTING SERVICE	\$2.00 +	\$0.07 =	\$2.07 +	\$0.56 <i>=</i>	\$2.63 +	\$0.19 =	\$2.82

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

est su a reconstituire di la companya de la companya de la companya de la companya de la companya de la company		Marketing &	Direct+	Other Direct	en de la sociação		TELRIC+
Cost Element	Direct +	Bus. Fees =	Marketing +	Expenses =	TELRIC +	Common =	Common
UNE-P POTS FIRST LINE MECHANIZED NEW SERVICE	\$40.08 +	\$1.34 =	\$41.42 +	\$11.26 =	\$52.68 +	\$3.76 =	\$56.44
UNE-P POTS EA ADDL LINE MECHANIZED NEW SERVICE	\$11.50 +	\$0.38 =	\$11.89 +	\$3.23 =	\$15.12 +	\$1.08 =	\$16.19
UNE-P POTS FIRST LINE MANUAL NEW SERVICE	\$59.50 +	\$1.99 =	\$61.48 +	\$16.72 =	\$78.20 +	\$5.57 =	\$83.78
UNE-P POTS EA ADDL LINE MANUAL NEW SERVICE	\$13.36 +	\$0.45 =	\$13.81 +	\$3.75 =	\$17.56 +	\$1.25 =	\$18.81
NEW UNE- P PBX DID - PER TRUNK	\$117.36 +	\$3.92 =	\$121.28 +	\$32.98 =	\$154.26 +	\$11.00 =	\$165.26
NEW UNE-P 2B+D BRI ISDN	\$225.36 +	\$7.52 =	\$232.88 +	\$63.33 =	\$296.21 +	\$21.12 =	\$317.33
NEW UNE-P DSS BASIC TRUNKS - IN-ONLY TRUNK	\$57.30 +	\$1.91 =	\$59.21 +	\$16.10 =	\$75.31 +	\$5.37 =	\$80.68
NEW UNE-P BASIC TRUNKS - OUT-ONLY TRUNK	\$57.30 +	\$1.91 =	\$59.21 +	\$16.10 =	\$75.31 +	\$5.37 =	\$80.68
NEW UNE-P BASIC TRUNKS - TWO-WAY TRUNK	\$57.30 +	\$1.91 =	\$59.21 +	\$16.10 =	\$75.31 +	\$5.37 =	\$80.68
NEW UNE-P DSS ADVANCED TRUNK - IN-ONLY WITH DID AND HUNTING	\$56.71 +	\$1.89 =	\$58.60 +	\$15.93 =	\$74.53 +	\$5.31 =	\$79.85
NEW UNE-P ADVANCED TRUNKS - OUT-ONLY TRUNK WITH ANSWER SUPERVISION	\$57.60 +	\$1.92 =	\$59.52 +	\$16.19 =	\$75.71 +	\$5.40 =	\$81.10
NEW UNE-P ADVANCED TRUNKS - TWO-WAY TRUNK W/DID, HUNTING & ANSWER SUPERVISION	\$56.71 +	\$1.89 =	\$58.60 +	\$15.93 =	\$74.53 +	\$5.31 =	\$79.85
NEW UNE-P DEDICATED PRI 23B+D SERVICE CONFIGURATION	\$496.99 +	\$16.58 =	\$513.57 ÷	\$139.66 =	\$653.22 +	\$46.57 =	\$699.79
NEW UNE- P DEDICATED PRI 24B SERVICE CONFIGURATION	\$479.99 +	\$16.01 =	\$496.01 +	\$134.88 =	\$630.89 +	\$44.97 =	\$675.86
NEW UNE- P DED PRI - 23B+BACK UP D CONFIGURATION - 5E	\$479.30 +	\$15.99 =	\$495.29 +	\$134.69 =	\$629.98 +	\$44.91 =	\$674.89
NEW UNE-P COMPLEX TRANSLATIONS DIGITS OUTPULSED CHANGE SIGNALING	\$10.36 +	\$0.35 =	\$10.71 +	\$2.91 =	\$13.62 +	\$0.97 =	\$14.59
NEW UNE-P DID COMPLEX TRANSLATIONS SIGNALING CHANGE	\$24.18 +	\$0.81 =	\$24.99 +	\$6.79 =	\$31.78 +	\$2.27 =	\$34.05
NEW UNE-P DID BLOCK COMPROMISE	\$18.25 +	\$0.61 =	\$18.85 +	\$5.13 =	\$23.98 +	\$1.71 =	\$25.69
NEW UNE-P DID GROUP OF 20 NUMBERS	\$24.28 +	\$0.81 =	\$25.09 +	\$6.82 =	\$31.91 +	\$2.27 =	\$34.18
NEW UNE-P DID RESERVE SEQUENTIAL # BLOCK	\$18.14 +	\$0.61 =	\$18.74 +	\$5.10 =	\$23.84 +	\$1.70 =	\$25.54

# NONRECURRING ELEMENTS STUDY 6454

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NEW UNE-P DID TRUNK TERMINATIONS       \$37.04 +       \$1.24 =       \$38.28 +       \$10.41 =       \$48.69 +       \$3.47 =       \$52.1         NEW UNE-P DID NONSEQUENTIAL TELEPHONE NUMBERS       \$25.47 +       \$0.85 =       \$26.32 +       \$7.16 =       \$33.48 +       \$2.39 =       \$35.8	Cost Element		LRIC+ ommon
NEW UNE-P DID NONSEQUENTIAL TELEPHONE NUMBERS \$25.47 + \$0.85 = \$26.32 + \$7.16 = \$33.48 + \$2.39 = \$35.80	NEW UNE-P DID RESERVE NONSEQUENTIAL TN	\$22.26 + \$1.59 =	\$23.84
\$25.47 \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$45.60 \ \ \$4	NEW UNE-PIDID TRUNK TERMINATIONS	\$48.69 + \$3.47 =	\$52.16
	NEW UNE-P DID NONSEQUENTIAL TELEPHONE NUMBERS	\$33.48 + \$2.39 =	\$35.87
NEW UNE- P COMPLEX TRANS FOR TRUNKSIDE TERMINATION \$102.21 + \$3.41 = \$105.62 + \$28.72 = \$134.34 + \$9.58 = \$143.9	NEW UNE- P COMPLEX TRANS FOR TRUNKSIDE TERMINATION	\$134.34 + \$9.58 =	\$143.91
UNE-COMBINATION LMC-LOOP DSG FIRST. \$170.16 + \$5.68 = \$175.84 + \$47.82 = \$223.65 + \$15.94 = \$239.6	UNE-COMBINATION LMC-LOOP DS0 FIRST.	\$223.65 + \$15.94 =	\$239.60
	UNE-COMBINATION LMC-LOOP DS0 EACH ADDITIONAL	\$145.96 + \$10.40 =	\$156,36
	JNE-COMBINATION LMC-LOOP DS1 FIRST	\$282.91 + \$20.17 =	\$303.07
UNE-COMBINATION LMC-LOOP DS1 EACH ADDITIONAL \$157.59 + \$5.26 = \$162.85 + \$44.28 = \$207.13 + \$14.77 = \$221.9	JNE-COMBINATION LMC-LOOP DS1 EACH ADDITIONAL	\$207.13 + \$14.77 =	\$221.90
PRIVATE LINE TO LOOP MUX CONVERSION \$26.54 + \$0.89 = \$27.42 + \$7.46 = \$34.88 + \$2.49 = \$37.3	PRIVATE LINE TO LOOP MUX CONVERSION	\$34.88 + \$2.49 =	\$37.36
UNE-COMBINATION LMC MULTIPLEXER DS1 TO DS0 \$143.24 + \$4.78 = \$148.02 + \$40.25 = \$188.27 + \$13.42 = \$201.6	JNE-COMBINATION LMC MULTIPLEXER DS1 TO DSO	\$188.27 + \$13.42 =	\$201.69
UNE-COMBINATION LMC MULTIPLEXER DS3 TO DS1 \$143.24 + \$4.78 = \$148.02 + \$40.25 = \$188.27 + \$13.42 = \$201.6	JNE-COMBINATION LMC MULTIPLEXER DS3 TO DS1	\$188.27 + \$13.42 =	\$201.69
DS0 ENHANCED EXTENDED LOOP FIRST \$185.17 + \$6.18 = \$191.34 + \$52.03 = \$243.38 + \$17.35 = \$260.7	DS0 ENHANCED EXTENDED LOOP FIRST	\$243.38 + \$17.35 =	\$260.73
	DSG ENHANCED EXTENDED LOOP EACH ADDITIONAL		\$194.28
	DS1 ENHANCED EXTENDED LOOP FIRST	*	\$319.65
	DS1 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL		\$238.47
	0S3/0C3/0C12/0C48 ENHANCED EXTENDED LOOP FIRST	****	\$344.51
	DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	•	\$263,33
	PRIVATE LINE TO EEL CONVERSION	•	\$37.36

## **NONRECURRING ELEMENTS STUDY 6454**

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Cost Element	Direct ÷	Marketing & Bus. Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common
DS1 ENHANCED EXTENDED LOOP TRANSPORT MUX	\$190.92 +	\$6.37 =	\$197.29 +	\$53.65 <i>=</i>	\$250.94 +	\$17.89 <i>=</i>	\$268.83
DS3 ENHANCED EXTENDED LOOP TRANSPORT MUX	\$190.92 +	\$6.37 =	\$197.29 +	\$53.65 =	\$250.94 +	\$17.89 =	\$268.83
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	\$43.38 +	\$1.45 =	\$44.83 +	<b>\$12.19</b> =	\$57.02 +	\$4.06 =	\$61.09
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP	\$91.75 +	\$3.06 =	\$94.81 +	\$25.78 =	\$120.59 +	\$8.60 =	\$129.19
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP	\$43.38 +	\$1.45 =	\$44.83 +	\$12.19 =	\$57.02 +	\$4.06 =	\$61.09
UPS DS1/DS3 ATM SWITCH INTERFACE PORT	\$164.13 +	\$5.48 =	\$169.60 +	\$46.12 =	\$215.72 +	\$15.38 =	\$231.10
10.1.2 - LNP MANAGED CUTS - STANDARD MANAGED CUTS PER PERSON, PER 1/2 HR.	\$37.37 +	\$1.25 =	\$38.62 +	\$10.50 =	\$49.12 +	\$3.50 =	\$52.62
10.1.2 - LNP MANAGED CUTS - OVERTIME MANAGED CUTS PER PERSON, PER 1/2 HR.	\$48.63 +	\$1.62 =	\$50.25 +	\$13.67 =	\$63.92 +	\$4.56 =	\$68.47
10.1.2 - LNP MANAGED CUTS - PREMIUM MANAGED CUTS PER PERSON, PER 1/2 HR.	\$59.90 +	\$2.00 =	\$61.90 +	<b>\$16.83</b> =	\$78.73 +	<b>\$5.61</b> =	\$84.34
POLE INQUIRY FEE - PER INQUIRY	<b>\$314.75</b> +	\$10.50 =	\$325.26 +	\$88.45 =	\$413.70 +	\$29.49 =	\$443.19
INNERDUCT INQUIRY FEE - PER INQUIRY	\$219.41 +	\$7.32 =	\$226.73 +	\$61.66 =	\$288.39 +	\$20.56 =	\$308.94
RIGHT-OF-WAY INQUIRY PER INQUIRY	\$349.09 +	\$11.65 =	\$360.73 +	\$98.10 =	\$458.83 +	\$32.71 =	\$491.54
RIGHT-OF-WAY DOCUMENT PREPARATION	\$103.52 +	\$3.45 <i>=</i>	\$106.97 +	\$29.09 <i>=</i>	\$136.06 +	\$9.70 <i>=</i>	\$145.76
FIELD VÉRIFICATION FEE - POLES PER POLE	\$17.25 +	\$0.58 =	\$17.83 +	\$4.85 =	\$22.68 +	\$1.62 =	\$24.29
FIELD VERIFICATION FEE - MANHOLES PER MANHOLE	\$145.81 +	\$4.86 =	\$150.67 +	\$40.97 =	\$191.64 +	\$13.66 =	\$205.30
PLANNER VERIFICATION Per Manhole	\$11.55 +	\$0.39 =	\$11.93 +	\$3.24 =	\$15.17 +	\$1.08 =	\$16.26
MANHOLE VERIFICATION INSPECTOR Per Manhole	\$77.64 +	\$2.59 =	\$80.23 +	\$21.82 =	\$102.05 +	\$7.27 =	\$109.32
MANHOLE MAKE-READY INSPECTOR Per Manhole	\$207.04 +	\$6.91 =	\$213.95 +	\$58.18 =	\$272.13 +	\$19.40 =	\$291.53
POLES, DUCTS, RIGHT OF WAY Transfer of Responsibility Fee	\$92.15 +	\$3.07 =	\$95.23 +	\$25.90 =	\$121.12 +	\$8.63 =	\$129.76

# **NONRECURRING ELEMENTS STUDY 6454**

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## **Total Direct Costs and Common Costs**

BONAFIDE REQUEST PROCESS FEE	\$1,739,10 +	\$58.02 <b>=</b>	\$1.797.12 +	\$488.70 =	\$2,285.82 +	\$162.95 <b>=</b>	\$2,448.77
Cost Element		arketing & is. Fees =	and the second second	Other Direct Expenses =	TELRIC +	Common =	TELRIC + Common

Direct - Direct Costs

Marketing & Bus. Fee

Marketing & Bus. Fees - Marketing & Business Fees

Direct + Marketing - Direct Costs + Marketing & Business Fees

Other Direct Expenses - Other Direct Expenses

TELRIC - Total Element Long Run Incremental Costs

### NONRECURRING ELEMENTS STUDY 6454

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Cost Element	Direct	Marketin + Bus Fe		Direct + Marketing	+	Other Direct Expenses	= TELI	IIC	+ Common	=	TELRIC +	Detail Page Ref.
	00000000000000000000000000000000000000	(1000)	com www.disdood	**************************************	140000 C	o.come.com/#15950-1000000000000000000000000000000000		-00001- <b>4</b> 1-001-9-00100		H232.H4400		
CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED	\$0.49	+ \$0	.02 =	\$0.51	+	\$0.14	= 5	0.64	+ \$0.05	; =	\$0.69	Pages 1-2
CUSTOMER TRANSFER CHARGE POTS EA ADDL MECHANIZED	\$0.10	+ \$0	= 00.	\$0.10	+	\$0.03	= \$	0.13	+ \$0.01	=	\$0.14	Pages 3-4
CUSTOMER TRANSFER CHARGE POTS FIRST MANUAL	\$11.75	+ \$0	.39 =	\$12.14	+	\$3.30	= \$1	5.44	+ \$1.10	=	\$16.54	Pages 5-6
CUSTOMER TRANSFER CHARGE POTS EA ADDL MANUAL	\$1.96	+ \$0	07 =	\$2.02	+	\$0.55	= \$	2.57	+ \$0.18	=	\$2.76	Pages 7-8
CUSTOMER TRANSFER CHARGE PRIVATE LINE FIRST	\$25.04	+ \$0	84 =	\$25.88	+	\$7.04	= \$3	2.91	+ \$2.35	<b>=</b>	\$35.26	Pages 9-10
CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADOL	\$25.04	+ \$0	.84 =	\$25.88	+	\$7.04	= \$3	2.91	+ \$2.35	· =	\$35.26	Pages 11-12
CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT	\$37.20	+ \$1	24 =	\$38.44	+	\$10.45	= \$2	8.90	+ \$3.49	=	\$52.38	Pages 13-14
DS1 ENTRANCE FACILITY	\$158.57	+ \$5	29 =	\$163.86	+	\$44.56	= \$20	8.42	+ \$14.86	=	\$223.28	Pages 15-18
DS3 ENTRANCE FACILITY	\$213.88	+ \$7	14 =	\$221.01	+	\$60.10	= \$28	1.11	+ \$20.04	=	\$301.15	Pages 19-23
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only)	\$148.36	+ \$4.	95 <i>=</i>	\$153.31	+	\$41.69	= \$19	5.00	+ \$13.90	=	\$208.90	Pages 24-27
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only)	\$148.36 -	+ \$4.	95 =	\$153.31	+	\$41.69	= \$19	5.00 -	<b>- \$13.90</b>	=	\$208.90	Pages 28-31
SWITCHED TRANSPORT DS1 TRUNK FIRST	\$176.54	÷ \$5.	89 =	\$182.43	+	\$49.61	= \$23	2.04	+ \$16.54	=	\$248.59	Pages 32-36
SWITCHED TRANSPORT DS1 TRUNK EA ADDL	\$4.27	<b>+ \$0</b> .	14 =	\$4.42	+	\$1.20	= \$	5.62 -	<b>- \$0.40</b>	=	\$6.02	Pages 37-39
SWITCHED TRANSPORT DS3 TRUNK FIRST	\$181.46 -	+ \$6.	05 =	\$187.51	+	\$50.99	= \$23	8.50 -	+ \$17.00	=	\$255.51	Pages 40-44
SWITCHED TRANSPORT DS3 TRUNK EA ADDL	\$9.20 -	<b>+ \$0</b> .	31 <i>=</i>	\$9.51	+	\$2.58	= \$1	2.09 -	\$0.86	=	\$12.95	Pages 45-47
CLEC TO CLEC COLLOCATION CROSS-CONNECTION	\$158.90	<b>.</b> \$5.	30 =	\$164.20	+	\$44.65	= \$20	8.85 -	÷ \$14.89	=	\$223.74	Pages 48-51
CABLE UNLOADING/BRIDGE TAP REMOVAL	\$470.98 -	<b>-</b> \$15.	71 =	\$486.69	+	\$132.35	= \$61	9.04 -	÷ \$44.13	=	\$663.17	Pages 52-53

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Cost Element	Direct	- Bus. Fees	= A	darketing -	+	Expenses	#	TELRIC	+	Common	=	Common	Page Ref.
LOOP BASIC INSTALL FIRST Mechanized	\$67.09 +	\$2.24	=	\$69.33	+	\$18.85	=	\$88.18	+	\$6.29	=	\$94.47	Pages 54-57
LOOP BASIC INSTALL EA ADDL Mechanized	\$55.91 +	\$1.87	=	\$57.78	+	\$15.71	=	\$73.49	+	\$5.24	=		-
LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized	\$142.12 +	\$4.74	=	\$146.86	+	\$39.94	=	\$186.80	+	\$13.32	=	\$200.12	Pages 61-65
LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized	\$100.56 +	\$3.36	=	\$103.92	+	\$28.26	=	\$132.18	+	\$9.42	=	\$141.60	Pages 66-69
LOOP COORD INSTALL, COOP TESTING FIRST Mechanized	\$170.95 +	\$5.70	=	\$176.66	+	\$48.04	=	\$224.70	+	\$16.02	=	\$240.71	Pages 70-74
LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized	\$100.56 +	\$3.36	=	\$103.92	+	\$28.26	=	\$132.18	+	\$9.42	=	\$141.60	Pages 75-78
LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized	\$72.20 +	\$2.41	=	\$74.61	+	\$20.29	=	\$94.90	+	\$6.77	=	\$101.67	Pages 79-82
LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized	\$61.02 +	\$2.04	=	\$63.06	+	\$17.15	=	\$80.21	+	\$5.72	=	\$85.92	Pages 83-86
LOOP BASIC INSTALL COOP TESTING FIRST Mechanized	\$142.12 +	\$4.74	=	\$146.86	+	\$39.94	=	\$186.80	+	\$13.32	=	\$200.12	Pages 87-91
LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized	\$100.56 +	\$3.36	=	\$103.92	+	\$28.26	=	\$132.18	+	\$9.42	=	\$141.60	Pages 92-95
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST	\$127.70 <b>+</b>	\$4.26	=	\$131.96	+	\$35.88	=	\$167.84	+	\$11.96	=	\$179.80	Pages 96-99
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL	\$87.23 +	\$2.91	=	\$90.14	+	\$24.51	=	\$114.65	+	\$8.17	=		Pages 100-102
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST. FIRST	\$224.39 +	\$7.49	=	\$231.88	+	\$63.05	=	\$294.93	+	\$21.02	=		Pages 103-106
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST. EA ADDL	<b>\$154.27</b> +	\$5.15	=	\$159.42	+	\$43.35	=	\$202.77	+	\$14.45	=		Pages 107-11(
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST	\$253.22 +	\$8.45	=	\$261.67	+	\$71.16	=	\$332.83	+	\$23.73	=		Pages 111-114
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL	\$154.27 +	\$5.15	=	\$159.42	+	\$43.35	=	\$202.77	+	\$14.45	=		Pages 115-118
D\$1,D\$3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST FIRST	<b>\$134.27</b> +	\$4.48	=	\$138.75	+	\$37.73	=	\$176.48	+	\$12.58	=		Pages 119-122
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST EA ADDL	\$93.80 +	\$3.13	=	\$96.93	+	\$26.36	=	\$123.29	+	\$8.79	=	\$132.07	Pages 123-125
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST	\$224.39 +	\$7.49	=	\$231.88	+	\$63.05	=	\$294.93	+	\$21.02	=		Pages 126-129
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL	\$154.27 +	\$5.15	=	\$159.42	+	\$43.35	=	\$202.77	+	\$14.45	=	\$217.23	Pages 130-135

### NONRECURRING ELEMENTS STUDY 6454

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Cost Element	D)reat +	Marketing & Bus, Fees =	Direct + Marketing +	Other Direct Expenses =	TELRIĆ +	Common =	TELRIC + Detail Common Page Ref.
PRIVATE LINE TO UNBUNDLED LOOP CONVERSION	\$26.54 +	\$0.89 =	<b>\$27.42</b> +	\$7.46 =	\$34.88 +	\$2.49 =	\$37.36 Pages 134-135
SUBLOOP DISTRIBUTION FIRST	\$79.98 +	\$2.67 =	\$82.64 +	\$22.47 =	\$105.12 +	\$7.49 =	\$112.61 Pages 136-138
SUBLOOP DISTRIBUTION EACH ADDITIONAL	\$22.95 +	\$0.77 =	\$23.72 +	\$6.45 =	\$30.17 +	\$2.15 =	\$32.32 Pages 139-14(
SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST	\$41.32 +	\$1.38 =	\$42.70 +	\$11.61 =	\$54.31 +	\$3.87 =	\$58.18 Pages 141-140
SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL	\$17.24 +	\$0.58 =	\$17.81  +	\$4.84 =	\$22.66 +	\$1.61 =	\$24.27 Pages 144-145
SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order	\$73.22 +	\$2.44 =	\$75.66 +	\$20.57 =	\$96.24 +	<b>\$6.86</b> =	\$103.10 Pages 146-148
SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order	\$24.35 +	\$0.81 =	<b>\$25.16</b> +	\$6.84 =	\$32.00 +	\$2.28 =	\$34.29 Pages 149-15(
SUBLOOP MTE-POI SITE INVENTORY per request	\$95.93 ÷	\$3.20 =	\$99.13 +	<b>\$26.96</b> =	\$126.08 +	\$8.99 =	\$135.07 Pages 151-152
SUBLOOP DS1 FEEDER FIRST	\$233.54 +	\$7.79 =	\$241.34 +	\$65.63 =	\$306.96 +	\$21.88 =	\$328.85 Pages 153-156
SUBLOOP DS1 FEEDER EACH ADDITIONAL	\$165.65 +	\$5.53 =	\$171.18 +	<b>\$46.55</b> =	\$217.73 +	<b>\$15.52</b> =	\$233.25 Pages 157-16(
SUBLOOP FIELD CONNECTION POINT QUOTATION PREP FEE	\$954.43 +	\$31.84 =	\$986.27 +	\$268.20 =	\$1,254.47 +	\$89.43 =	\$1,343.90 Pages 161-162
FIELD CONNECTION POINT RECLASSIFICATION	\$422.92 +	\$14.11 =	\$437.03 +	\$118.84 =	\$555.87 +	\$39.63 =	\$595.50 Pages 163-166
SHARED LOOP (per loop per order) Mechanized	\$26.47 +	\$0.88 =	\$27.35 +	\$7.44 =	\$34.79 +	\$2.48 =	\$37.27 Pages 167-169
NETWORK INTERFACE DEVICE	\$49.62 +	<b>\$1.66</b> =	<b>\$</b> 51.28 +	\$13.94 =	<b>\$</b> 65. <b>23</b> +	\$4.65 =	\$69.87 <sup>p</sup> ages 170-171
UDIT DSO	\$196.11 +	\$6.54 =	\$202.65 +	\$55.11 =	\$257.76 +	\$18.37 =	\$276.13 Pages 172-175
UDIT DS1/DS3/0C3/0C12/0C48	\$228.56 +	\$7.63 =	\$236.18 +	\$64.23 =	\$300.41 ÷	\$21.41 =	\$321.82 Pages 176-179
UDIT M1-0 MULTIPLEXING HIGH SIDE	\$171.38 +	\$5.72 =	\$177.10 +	\$48.16 =	\$225.26 +	\$16.06 =	\$241.32 Pages 180-180

### NONRECURRING ELEMENTS STUDY 6454

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			Marketing &	Direct+		Other Direct					TELRIC+	Detail
Cost Element	Direct	+	Bus. Fees =	Marketing	+	Expenses	=	TELRIC	+	Common =	Common	Page Ref.
UDIT M1-3 MULTIPLEXING	\$2,138.71	_	\$71.36 <i>=</i>	\$2,210.06	_	\$600.99	_	\$2.811.05	_	\$200.39 =	\$2.011.44	Pages 184-188
UDIT M1-0 MULTIPLEXING LOW SIDE	\$146.97		\$4.90 =	\$151.87		\$41.30		\$193.17		\$13.77 =	•	Pages 189-192
	\$270.76		\$9.03 =	\$279.79		\$76.08		\$355.87		\$25.37 =		
EUDIT D\$1/D\$3/OC3/OC12/OC48	•		,	* :		•		,		•		Pages 193-197
UDIT DS0 REARRANGEMENT SINGLE OFFICE	\$120.45		\$4.02 =	\$124.47		\$33.85		\$158.32		\$11.29 =		Pages 198-200
UDIT DS0 REARRANGEMENT DUAL OFFICE	\$151.34		\$5.05 =	\$156.39		\$42.53		\$198.92		\$14.18 =		Pages 201-200
UDIT HICAP REARRANGEMENT SINGLE OFFICE	\$165.28	+	\$5.51 <i>=</i>	\$170.80	+	\$46.44	=	\$217.24	+	\$15.49 <i>=</i>	\$232.73	Pages 204-20€
UDIT HICAP REARRANGEMENT DUAL OFFICE	\$185.21	+	\$6.18 =	\$191.39	+	\$52.05	=	\$243.44	+	\$17.35 =	\$260.79	Pages 207-209
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12	\$151.96	+	<b>\$5.07</b> =	\$157.03	+	\$42.70	=	\$199.73	+	\$14.24 =	\$213.97	ages 210-21
DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE	\$182.00	+	\$6.07 =	\$188.08	+	\$51.14	=	\$239.22	+	<b>\$17.05</b> =	\$256.27	ages 214-21f
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX	\$213.66	+	\$7.13 <i>=</i>	\$220.79	+	\$60.04	=	\$280.82	+	\$20.02 =	\$300.84	ages 216-218
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION	\$728.31	+	\$24.30 =	\$752.61	+	\$204.66	=	\$957.27	+	\$68.24 =	\$1,025.51	ages 219-221
DARK FIBER - ENGINEER VERIFICATION	\$250.17	+	\$8.35 =	\$258.52	+	\$70.30	=	\$328.82	+	\$23.44 =	\$352.26	Pages 222-223
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR	\$380.57	+	\$12.70 =	\$393.26	+	\$106.94	=	\$500.21	+	\$35.66 =		ages 224-228
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PA	\$196.15	+	\$6.54 =	\$202.70	+	\$55.12	=	\$257.81	+	\$18.38 =	\$276.19	ages 229-231
OPTICAL CROSS CONN - PER FIBER STRAND OR PAIR PER CENTRAL OFFICE	\$15.55	÷	\$0.52 <i>=</i>	\$16.07	+	\$4.37	=	\$20.44	+	\$1.46 =	\$21.90	ages 232-233
DARK FIBER - SPLICE	\$478.32	+	<b>\$15.96</b> =	\$494.28	+	\$134.41	=	\$628.69	+	<b>\$44.82</b> =	\$673.51 =	ages 234-237
9.10.1 DS1 LOCAL MESSAGE TRUNK PORT	\$159.40	+	\$5.32 =	\$164.72	+	\$44.79	=	\$209.52	+	\$14.94 =	\$224.45	ages 238-24(
9.10.2 TRUNK GROUP, FIRST	\$155.72	+	\$5.20 =	\$160.92	+	\$43.76	=	\$204.68	+	<b>\$14.59</b> =	\$219.27	ages 241-244
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK	\$17.67	+	<b>\$0.59</b> =	\$18.26	+	\$4.96	=	\$23.22	+	\$1.66 =	\$24.88 ?	ages 245-247

### NONRECURRING ELEMENTS STUDY 6454

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			Marketing &		Direct+		Other Direct						TELRIC+	Detail
Cost Element	Direct	÷	Bus. Fees	=	Marketing	+	Expenses	=	TELRIC	+	Common	=	Common	Page Ref.
9.11.1 ANALOG LINESIDE PORT FIRST	\$116.57	+	\$3.89	=	\$120.46	_	\$32.76	_	\$153.21	_	\$10.92	_	\$164.13	<sup>2</sup> ages 248-251
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL	\$72.47		\$2,42		\$74.88		\$20.36		\$95.25		\$6.79			ages 252-255
ACCOUNT CODES, PER SYSTEM	\$57.72		\$1.93		\$59.65		\$16.22		\$75.87		\$5.41			Pages 256-257
ATTENDANT ACCESS LINE - PER STATION LINE	\$0.83		\$0.03		\$0.86		\$0.23		\$1.10		\$0.08			Pages 258-259
AUDIBLE MESSAGE WAITING	\$0.73		\$0.02		\$0.75		\$0.21		\$0.96		\$0.07			Pages 260-261
AUTHORIZATION CODES - PER SYSTEM	\$172.64		\$5.76		\$178.40		\$48.51		\$226.91		\$16.18			Pages 262-263
AUTOMATIC LINE, per station line	\$0.25		\$0.01 =		\$0.26		\$0.07		\$0.33		\$0.02			Pages 264-265
ARS - COMMON EQUIPMENT, per system	\$1,514.72		\$50.54		\$1,565.26		\$425.64		\$1,990.90		\$141.92			Pages 266-267
CALL DROP	\$0.25		\$0.01 =	_	\$0.26		\$0.07		\$0.33		\$0.02			Pages 268-269
CALL EXCLUSION - AUTOMATIC	\$0.73	+	\$0.02	=	\$0.75	+	\$0.21		\$0.96		\$0.07			Pages 270-271
CALL EXCLUSION - MANUAL	\$0.48	+	\$0.02	=	\$0.50		\$0.14		\$0.63		\$0.05			Pages 272-275
CFBL INCOMING ONLY	\$27.36	+	\$0.91 =		\$28.27	+	\$7.69		\$35.96	+	\$2.56			Pages 274-275
CFDA INCOMING ONLY	\$27.36	+	\$0.91 =	=	\$28.27	+	\$7.69		\$35.96		\$2.56			Pages 276-277
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE	\$0.73	+	\$0.02 =	=	\$0.75		\$0.21		\$0.96		\$0.07			Pages 278-279
CALL WAITING INDICATION, per unique tirning state, per timing state	\$0.73		\$0.02 =		\$0.75		\$0.21		\$0.96		\$0.07			Pages 280-281
CENTREX COMMON EQUIPMENT	\$870.23		\$29.04 =	=	\$899.26		\$244.54		\$1,143.80		\$81.54			Pages 282-284
CLASS - CONTINUOUS REDIAL, PER NUIMBER	\$0.91	+	\$0.03 =	=	\$0.94	+	\$0.26		\$1.20		\$0.09			Pages 285-286
CLASS - LAST CALL RETURN, PER NUMBER	\$0.92		\$0.03 =	=	\$0.95		\$0.26		\$1.20		\$0.09			Pages 287-288
CLASS - PRIORITY CALLING, PER NUMBER	\$0.87		\$0.03 =		\$0.90		\$0.24		\$1.14		\$0.08			Pages 289-29(
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	\$0.91	+	\$0.03 =	=	\$0.94	+	\$0.26		\$1.20		\$0.09			Pages 291-292
CLASS - SELECTIVE CALL REJECTION, PER NUMBER	\$0.87	+	\$0.03 =	=	\$0.90	+	\$0.24	=	\$1.14	+	\$0.08	=		Pages 293-294

### **NONRECURRING ELEMENTS STUDY 6454**

## South Dakota 2002

		Marketing 8	t i	Direct +		Other Direct						TELRIC+ Detail
Cost Element	Direct	+ Bus. Fees	=	Marketing	+	Expenses	=	TELRIC	+	Common	=	Common Page Ref.
DIR STA SEL/BUSY LAMP FLD, per arrangement	\$0.25	+ \$0.01	=	\$0.26	+	\$0.07	=	\$0.33	+	\$0.02	=	\$0.35 Pages 295-296
DIRECTED CALL PICK UP BARGE-IN	\$14.55	+ \$0.49	=	\$15.03	+	\$4.09	=	\$19.12	+	\$1.36	=	\$20.48 Pages 297-298
DIRECTED CALL PICKUP WITHOUT BARGE-IN	\$14.55	+ \$0.49	=	\$15.03	+	\$4.09	=	\$19.12	+	\$1.36	=	\$20.48 Pages 299-30(
DISTINCTIVE RING/DISTINCTIVE CALL WAITING	\$29.08	+ \$0.97	=	\$30.05	+	\$8.17	=	\$38.23	+	\$2.73	=	\$40.95 Pages 301-302
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	\$51.88	+ \$1.73	=	\$53.61	+	\$14.58	=	\$68.19	+	\$4.86	=	\$73.05 Pages 303-304
FACILITY RESTRICTION LEVEL - PER SYSTEM	\$31.92	+ \$1.06	=	\$32.98	+	\$8.97	=	\$41.95	+	\$2.99	=	\$44.94 Pages 305-306
GROUP INTERCOM - PER LINE	\$0.33	+ \$0.01	=	\$0.34	+	\$0.09	=	\$0.43	+	\$0.03	=	\$0.46 Pages 307-308
HOT LINE - per line equipped, per line	\$0.73	+ \$0.02	=	\$0.75	+	\$0.21	=	\$0.96	+	\$0.07	=	\$1.03 Pages 309-31(
HUNTING - MULTIPOSITION HUNT QUEUING - per group	\$27.84	+ \$0.93	=	\$28.77	+	\$7.82	=	\$36.59	+	\$2.61	=	\$39.20 Pages 311-312
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	\$27.84	+ \$0.93	=	\$28.77	+	\$7.82	=	\$36.59	+	\$2.61	=	\$39.20 Pages 313-314
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	\$29.40	+ \$0.98	=	\$30.38	+	\$8.26	=	\$38.64	+	\$2.75	=	\$41.39 Pages 315-316
ISDN SHORT HUNT	\$1.23	+ \$0.04	=	\$1.27	+	\$0.34	=	\$1.61	+	\$0.11	=	\$1.73 Pages 317-318
LOUDSPEAKER PAGING TRUNK SIDE, per group	\$127.36	+ \$4.25	=	\$131.61	+	\$35.79	=	\$167.40	+	\$11.93	=	\$179.33 Pages 319-32(
MAKE BUSY ARRANGEMENTS, per group	\$0.48	+ \$0.02	=	\$0.50	+	\$0.14	=	\$0.63	+	\$0.05	=	\$0.68 Pages 321-322
MAKE BUSY ARRANGEMENTS, per line	\$0.48	+ \$0.02	=	\$0.50	+	\$0.14	=	\$0.63	+	\$0.05	=	\$0.68 Pages 323-324
MESSAGE CENTER - per main station line, per line	\$0.25	+ \$0.01	=	\$0.26	+	\$0.07	=	\$0.33	+	\$0.02	=	\$0.35 Pages 325-326
MESSAGE WAITING VISUAL, per line	\$0.25	+ \$0.01	=	\$0.26	+	\$0.07	=	\$0.33	+	\$0.02	=	\$0.35 Pages 327-328
MUSIC ON HOLD - per system	\$16.69	+ \$0.56	=	\$17.25	+	\$4.69	=	\$21.94	+	\$1.56	=	\$23.50 ages 329-33(
PRIVACY RELEASE, per station line	\$0.34	+ \$0.01	=	\$0.35	+	\$0.10	=	\$0.45	+	\$0.03	=	\$0.48 Pages 331-332
QUERY TIME, per station line	\$0.25	+ \$0.01	=	\$0.26	+	\$0.07	=	\$0.33	+	\$0.02	=	\$0.35 Pages 333-334
STATION CAMP-ON, per main line, per line	\$0.25	+ \$0.01	=	\$0.26	+	\$0.07	=	\$0.33	+	\$0.02	=	\$0.35 Pages 335-336

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		Marketing &		lirect +		Other Direct						TELRIC+	Detail
Cost Element	Direct	Bus. Fees		arketing	+		#	TELRIC	+	Common	#	Common	Page Ref.
													1000001 1 0000 00 100 00 100 100 100 10
TIME OF DAY CONTROL FOR ARS - PER SYSTEM	\$90.78	- \$3.03	=	\$93.80	+	\$25.51	=	\$119.31	+	\$8.51	=	\$127.82	Pages 337-338
TIME OF DAY NOOS UPDATED, PER MAIN STATION	\$0.39	\$0.01	=	\$0.40	+	\$0.11	=	\$0.51	+	\$0.04	=	\$0.55	<sup>3</sup> ages 339-340
TIME OF DAY ROUTING, per line	\$0.37 ⊣	\$0.01	=	\$0.38	+	\$0.10	=	\$0.49	+	\$0.03	=	\$0.52	Pages 341-342
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED	\$0.28	\$0.01	=	\$0.29	+	\$0.08	=	\$0.37	+	\$0.03	=	\$0.40	2ages 343-344
UCD - IN HUNT GROUP, incl. Queuing, Music on Queue, & Delay Announcement, per line	\$0.48	\$0.02	=	\$0.50	+	\$0.14	=	\$0.63	+	\$0.05	=	\$0.68	Pages 345-346
SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION	\$244.78	\$8.17	=	\$252.95	+	\$68.79	=	\$321.74	+	\$22.94	=	\$344.67	<sup>3</sup> ages 347-349
SMDR-P - ARCHIVED DATA	\$127.91 +	\$4.27	=	\$132.18	+	\$35.94	=	\$168.12	+	\$11.98	=	\$180.10	ages 350-351
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	\$700.96 <b>-</b>	\$23.39	=	\$724.35	+	\$196.97	=	\$921.32	+	\$65.68	=	\$987.00	Pages 352-350
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION	\$350.48 +	\$11.69	=	\$362.17	+	\$98.49	=	\$460.66	+	\$32.84	=	\$493.50	Pages 354-355
CMS - PACKET CONTROL CAPABILITY, PER SYSTEM	\$350.48 4	\$11.69	=	\$362.17	+	\$98.49	=	\$460.66	+	\$32.84	=	\$493.50	<sup>2</sup> ages 356-357
CONFERENCE CALLING - MEET ME - PER SYSTEM	\$30.64 +	\$1.02	=	\$31.67	+	\$8.61	=	\$40.28	+	\$2.87	=		Pages 358-359
CONFERENCE CALLING - PRESET - PER SYSTEM	\$30.64 +	\$1.02	=	\$31.67	+	\$8.61	=	\$40.28	+	\$2.87	=	\$43.15	Pages 360-361
CONFERENCE CALLING - STATION DIAL	\$32.92 +	\$1.10	=	\$34.02	+	\$9.25	=	\$43.27	+	\$3.08	=	\$46.36	Pages 362-360
9.12.1.4 SUBSEQUENT ORDER CHARGE	\$9.79 +	\$0.33	=	\$10.12	+	\$2.75	=	\$12.87	+	\$0.92	=		Pages 364-365
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISON)	\$168.93 <b>+</b>	\$5.64	=	\$174.57	+	\$47.47	=	\$222.04	+	\$15.83	=	\$237.87	Pages 366-371
9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL	\$123.78 +	\$4.13	=	\$127.91	+	\$34.78	=	\$162.69	+	\$11.60	=		Pages 372-375
9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL	\$34.54 +	\$1.15	=	\$35.69	+	\$9.71	=	\$45.40	+	\$3.24	=		Pages 376-378
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT	\$452.46 +	\$15.10	= :	\$467.55	+	\$127.14	=	\$594.70	+	\$42.39	=	\$637.09	⊃ages 379-384
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY	\$151.44 +	\$5.05	= :	\$156.49	+	\$42.56	=	\$199.05	+	\$14.19	=	\$213.24	<sup>2</sup> ages 385-388
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST	\$90.21 +	\$3.01	=	\$93.22	+	\$25.35	=	\$118.56	+	\$8.45	=		Pages 389-391
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL	\$22.00 +	\$0.73	<b>=</b>	\$22.73	+	\$6.18	=	\$28.92	+	\$2.06 =	=	\$30.98	Pages 392-394

## **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

		Marketing &	Direct +	Other Direct			TELRIC+ Detail
Cost Element	Direct +	Bus. Fees =	Marketing +	Expenses =	TELRIC +	Common =	Common Page Ref.
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	\$227.88 +	\$7.60 =	\$235.48 +	\$64.04 =	\$299.52 +	\$21.35 =	\$320.87 Pages 395-396
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	\$166.93 +	\$5.57 =	\$172.50 +	\$46.91 =	\$219.41 +	<b>\$15.64</b> =	\$235.05 Pages 397-398
CCSAC STP PORT	\$289.05 <b>+</b>	\$9.64 =	\$298.69 +	\$81.22 =	\$379.92 +	\$27.08 <b>=</b>	\$407.00 Pages 399-402
CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER	\$82.94 +	\$2.77 =	\$85.71 +	\$23.31 =	\$109.02 +	\$7.77 =	\$116.79 Pages 403-405
CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER	\$6.91 +	\$0.23 =	<b>\$7.14</b> +	\$1.94 =	\$9.08 +	\$0.65 =	\$9.73 Pages 406-407
CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER	\$96.76 +	\$3.23 =	\$99.99 +	\$27.19 =	\$127.18 +	\$9.07 =	\$136.24 Pages 408-410
CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER	\$41.45 +	\$1.38 =	\$42.83 +	<b>\$11.65</b> =	\$54.48 +	\$3.88 =	\$58.36 Pages 411-412
ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR)	\$22.97 +	\$0.77 =	\$23.74 +	\$6.45 =	\$30.19 +	\$2.15 =	\$32.34 Pages 413-414
ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00 Pages 415-416
ADDITIONAL LABOR INSTALLATION - OVERTIME (PER HALF HOUR)	\$6.53 +	\$0.22 =	\$6.75 +	\$1.83 =	\$8.58 +	\$0.61 =	\$9.19 Pages 417-418
ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR)	\$13.06 +	\$0.44 =	\$13.50 +	\$3.67 =	<b>\$17.17</b> +	\$1.22 =	\$18.39 Pages 419-420
ADDITIONAL LABOR OTHER - BASIC (PER HALF HOUR)	\$20.02 +	\$0.67 =	\$20.69 +	<b>\$5.63</b> =	\$26.31 +	<b>\$1.88</b> =	\$28.19 Pages 421-422
ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR)	\$26.74 +	\$0.89 =	\$27.63 +	<b>\$</b> 7.51 =	\$35.15 +	<b>\$2.51</b> =	\$37.65 Pages 423-424
ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR)	\$33.47 +	\$1.12 =	\$34.59 +	\$9.41 =	\$43.99 +	\$3.14 =	\$47.13 Pages 425-426
TESTING AND MAINTENANCE - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95 Pages 427-428
TESTING AND MAINTENANCE - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	<b>\$2.66</b> =	\$40.00 Pages 429-430
TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06 Pages 431-432
MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR)	\$20.02 +	\$0.67 =	\$20.69 +	<b>\$5.63</b> =	\$26.31 +	\$1.88 =	\$28.19 Pages 433-434

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

		Marketing &	Direct+	Other Direct			TELRIC+ Detail
Cost Element	Direct +			+ Expenses =	TELRIC +	Common =	Common Page Ref.
MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR)	\$26.74 +	\$0.89 =	\$27.63 +	- \$7.51 =	<b>\$35.15</b> +	\$2.51 =	\$37.65 Pages 435-436
MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR)	\$33.47 +	\$1.12 <i>=</i>	\$34.59 +	\$9,41 =	\$43.99 +	\$3.14 =	\$47.13 Pages 437-438
ADDITIONAL COOP ACCEPTANCE TESTING - BASIC (PER HALF HOUR)	<b>\$21.27</b> +	\$0.71 =	\$21.98 +	- \$5.98 =	\$27.96 +	\$1.99 =	\$29.95 Pages 439-44(
ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 <i>=</i>	\$40.00 Pages 441-442
ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	- \$9.99 =	\$46.73 +	\$3.33 =	\$50.06 Pages 443-444
NONSCHEDULED COOP TESTING - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95 Pages 445-446
NONSHCEDULED COOP TESTING - OVERTIME (PER HALF HOUR)	\$28,41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	<b>\$2.66</b> =	\$40.00 Pages 447-448
NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06 Pages 449-450
NONSCHEDULED MANUAL TESTING - BASIC (PER HALF HOUR)	\$21.27 +	\$0.71 =	\$21.98 +	\$5.98 =	\$27.96 +	\$1.99 =	\$29.95 Pages 451-452
NONSCHEDULED MANUAL TESTING - OVERTIME (PER HALF HOUR)	\$28.41 +	\$0.95 =	\$29.36 +	\$7.98 =	\$37.34 +	\$2.66 =	\$40.00 Pages 453-454
NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR)	\$35.55 +	\$1.19 =	\$36.74 +	\$9.99 =	\$46.73 +	\$3.33 =	\$50.06 Pages 455-456
COOPERATIVE SCHEDULED TESTING - LOSS (PER MONTH)	\$0.06 ÷	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08 Pages 457-458
COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08 Pages 459-46(
COOPERATIVE SCHEDULED TESTING - BALANCE (PER MONTH)	\$0.24 +	\$0.01 =	\$0.25 +	\$0.07 =	\$0.32 +	\$0.02 =	\$0.34 Pages 461-462
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08 Pages 463-464
COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)	\$0.06 +	\$0.00 =	\$0.06 +	\$0.02 =	\$0.08 +	\$0.01 =	\$0.08 Pages 465-466
MANUAL SCHEDULED TESTING - LOSS (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	<b>\$0.16</b> +	\$0.01 =	\$0.17 Pages 467-468
MANUAL SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	\$0.01 =	\$0.17 Pages 469-470
MANUAL SCHEDULED TESTING - BALANCE (PER MONTH)	\$0.48 +	\$0.02 =	\$0.50 +	\$0.13 =	\$0.63 +	\$0.04 =	\$0.68 Pages 471-472
MANUAL SCHEDULED TESTING - GAIN SLOPE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	<b>\$0.16</b> +	\$0.01 =	\$0.17 Pages 473-474
MANUAL SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)	\$0.12 +	\$0.00 =	\$0.12 +	\$0.03 =	\$0.16 +	<b>\$0.01</b> =	\$0.17 Pages 475-476

### NONRECURRING ELEMENTS STUDY 6454

## South Dakota 2002

Cost Element	Direct	+	Marketing & Bus. Fees	-	Direct + Marketing	+	Other Direct	-	TELRIC	+	Common =	TELRIC +	Detail Page Ref.
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ADDITIONAL DISPATCH CHARGE	\$87.72		\$2.93		\$90.65		\$24.65		\$115.30		\$8.22 =	\$123.51	Pages 477-479
DATE CHANGE	\$34.19	+	\$1.14	=	\$35.33	+	\$9.61	=	\$44.94	+	\$3.20 =	\$48.14	Pages 480-481
DESIGN CHANGE	\$74.81	+	\$2.50	=	\$77.31	+	\$21.02	=	\$98.33	+	\$7.01 =	\$105.34	Pages 482-485
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MECHANIZED EXISTING SERVICE	\$0.49	+	\$0.02	_	\$0.51	+	\$0.14	=	\$0.64	+	\$0.05 =	\$0.69	Pages 484-485
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MECHANIZED EXISTING SERVIC	\$0.10	+	\$0.00	=	\$0.10	+	\$0.03	-	\$0.13	+	\$0.01 =	\$0.14	Pages 486-487
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MANUAL EXISTING SERVICE	\$11.75	+	\$0.39	=	\$12.14	+	\$3.30	=	\$15.44	+	\$1.10 =	\$16.54	Pages 488-489
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MANUAL EXISTING SERVICE	\$1.96	+	\$0.07	=	\$2.02	+	\$0.55	=	\$2.57	+	\$0.18 =		Pages 490-491
UNE-P PBX DID TRUNKS EXISTING SERVICE	\$21.37	+	\$0.71	=	\$22.09	+	\$6.01	=	\$28.09	+	\$2.00 =		Pages 492-495
UNE-P PBX DID TRUNKS EXISTING SERVICE EACH ADDL	\$2.00	+	\$0.07	=	\$2.07	+	\$0.56	=	\$2.63	+	\$0.19 =	\$2.82	Pages 494-495
UNE-PISDN BRI EXISTING SERVICE FIRST	\$22.71	+	\$0.76	=	\$23.46	+	\$6.38	=	\$29.85	+	<b>\$2.13</b> =	\$31.97	Pages 496-497
UNE-P ISDN BRI EXISTING SERVICE EACH ADDL	\$2.00	+	\$0.07	=	\$2.07	+	\$0.56	=	\$2.63	+	\$0.19 =	\$2.82	Pages 498-499
UNE-PISDN PRI, DSS Per DS1 Facility EXISTING SERVICE	\$20.71	+	\$0.69	=	\$21.40	+	\$5.82	=	\$27.21	+	\$1.94 =	\$29.15	Pages 500-501
UNE-P ISDN PRI, DSS Per First Trunk EXISTING SERVICE	\$21.37	+	\$0.71	=	\$22.09	+	\$6.01	=	\$28.09	+	\$2.00 =	\$30.09	Pages 502-500
UNE-P ISDN PRI, DSS Per Each Addi Trunk EXISTING SERVICE	\$2.00	+	\$0.07	=	\$2.07	+	\$0.56	=	\$2.63	+	\$0.19 =		Pages 504-505
UNE-P POTS FIRST UNE MECHANIZED NEW SERVICE	\$40.08	+	\$1.34	=	\$41.42	+	\$11.26	_	\$52.68	+	\$3.76 =	\$56.44	Pages 506-508
UNE-P POTS EA ADDL LINE MECHANIZED NEW SERVICE	\$11.50	+	\$0.38	=	\$11.89	+	\$3.23	=	\$15.12	+	\$1.08 =		Pages 509-511
UNE-P POTS FIRST LINE MANUAL NEW SERVICE	\$59.50	+	\$1.99	=	\$61.48	+	\$16.72	=	\$78.20	+	\$5.57 =		ages 512-514
UNE-P POTS EA ADDL LINE MANUAL NEW SERVICE	\$13.36	+	\$0.45	=	\$13.81	+	\$3.75	=	\$17.56	+	\$1.25 =		Pages 515-517
NEW UNE- P PBX DID - PER TRUNK	\$117.36	+	\$3.92	=	\$121.28	+	\$32.98	=	\$154.26	+	\$11.00 =	\$165.26	Pages 518-521

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

Cost Element	Direct		Marketing & Bus, Fees		Direct + Marketing		Other Direct Expenses	#	TELRIC	+	Common =		TELRIC + Detail Common Page Ref.
	Diroci		<b></b>		mencong		<u> </u>		, ma	•	COMMON -	******	Communi rage nes.
NEW UNE-P 28+D BRI ISON	\$225.36	+	\$7.52	=	\$232.88	+	\$63.33	=	\$296.21	+	\$21.12 =	1	\$317.33 Pages 522-531
NEW UNE-P DSS BASIC TRUNKS - IN-ONLY TRUNK	\$57.30	+	\$1.91	=	\$59.21	+	\$16.10	=	\$75.31	+	\$5.37 =	:	\$80.68 Pages 532-535
NEW UNE-P BASIC TRUNKS - OUT-ONLY TRUNK	\$57.30	+	\$1.91	=	\$59.21	+	\$16.10	=	\$75.31	+	\$5.37 =	:	\$80.68 Pages 536-539
NEW UNE-P BASIC TRUNKS - TWO-WAY TRUNK	\$57.30	+	\$1.91	=	\$59.21	+	\$16.10	=	\$75.31	+	<b>\$5.37</b> =	:	\$80.68 Pages 540-540
NEW UNE-P DSS ADVANCED TRUNK - IN-ONLY WITH DID AND HUNTING	\$56.71	+	\$1.89	=	\$58.60	+	\$15.93	=	\$74.53	+	\$5.31 =	;	\$79.85 Pages 544-547
NEW UNE-P ADVANCED TRUNKS - OUT-ONLY TRUNK WITH ANSWER SUPERVISION	\$57.60	+	\$1.92	=	\$59.52	+	\$16.19	=	\$75.71	+	\$5.40 =		\$81.10 Pages 548-551
NEW UNE-P ADVANCED TRUNKS - TWO-WAY TRUNK W/DID, HUNTING & ANSWER SUP	\$56.71	+	\$1.89	=	\$58.60	+	\$15.93	=	\$74.53	+	\$5.31 =	,	\$79.85 Pages 552-558
NEW UNE-P DEDICATED PRI 238+D SERVICE CONFIGURATION	\$496.99	+	\$16.58	=	\$513.57	+	\$139.66	=	\$653.22	+	\$46.57 =		\$699.79 Pages 556-558
NEW UNE- P DEDICATED PRI 24B SERVICE CONFIGURATION	\$479.99	+	\$16.01	=	\$496.01	+	\$134.88	=	\$630.89	+	\$44.97 =		\$675.86 Pages 559-562
NEW UNE- P DED PRI - 23B+BACK UP D CONFIGURATION - 5E	\$479.30	+	\$15.99	=	\$495.29	+	\$134.69	=	\$629.98	+	<b>\$44.91</b> =		\$674.89 Pages 563-566
NEW UNE-P COMPLEX TRANSLATIONS DIGITS OUTPULSED CHANGE SIGNALING	\$10.36	+	\$0.35	=	\$10.71	+	\$2.91	=	\$13.62	+	\$0.97 =		\$14.59 Pages 567-568
NEW UNE-P DID COMPLEX TRANSLATIONS SIGNALING CHANGE	\$24.18	+	\$0.81	=	\$24.99	+	\$6.79	=	\$31.78	+	\$2.27 =	;	\$34.05 Pages 569-570
NEW UNE-P DID BLOCK COMPROMISE	\$18.25	+	\$0.61	=	\$18.85	+	\$5.13	=	\$23.98	+	\$1.71 =	:	\$25.69 Pages 571-572
NEW UNE-P DID GROUP OF 20 NUMBERS	\$24.28	+	\$0.81	=	\$25.09	+	\$6.82	=	\$31.91	+	\$2.27 =		\$34.18 Pages 573-575
NEW UNE-P DID RESERVE SEQUENTIAL # BLOCK	\$18.14	+	\$0.61	=	\$18.74	+	\$5.10	=	\$23.84	+	\$1.70 =	;	\$25.54 Pages 576-577
NEW UNE-P DID RESERVE NONSEQUENTIAL TN	\$16.93	+	\$0.56	=	\$17.50	+	\$4.76	=	\$22.26	+	\$1.59 =		\$23.84 Pages 578-579
NEW UNE-P DID TRUNK TERMINATIONS	\$37.04	+	\$1.24	=	\$38.28	+	\$10.41	=	\$48.69	+	\$3.47 =		\$52.16 Pages 580-588
NEW UNE-P DID NONSEQUENTIAL TELEPHONE NUMBERS	\$25.47	+	\$0.85	=	\$26.32	+	\$7.16	=	\$33.48	+	\$2.39 =		\$35.87 Pages 584-586
NEW UNE- P COMPLEX TRANS FOR TRUNKSIDE TERMINATION	\$102.21	+	\$3.41	=	\$105.62	+	\$28.72	=	\$134.34	+	\$9.58 =		\$143.91 Pages 587-589
UNE-COMBINATION LMC-LOOP DS0 FIRST	\$170.16	+	\$5.68	=	\$175.84	+	\$47.82	=	\$223.65	+	\$15.94 =		\$239.60 Pages 590-590

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

a superior de la mante de la companya de la companya de la companya de la companya de la companya de la company		Marketing &	Direct +	Other Direct			TELRIC+ Detail
Cost Element	Direct +	Bus. Fees =	Marketing +	Expenses =	TELRIC +	Common =	Common Page Ref.
UNE-COMBINATION LMC-LOOP DS0 EACH ADDITIONAL	<b>\$111.05</b> +	\$3.71 =	\$114.75 +	\$31.21 =	\$145.96 +	\$10.40 <b>=</b>	\$156.36 Pages 594-597
UNE-COMBINATION LMC-LOOP DS1 FIRST	\$215.24 +	\$7.18 =	\$222.42 +	\$60.48 =	\$282.91 +	\$20.17 =	\$303.07 Pages 598-601
UNE-COMBINATION LMC-LOOP DS1 EACH ADDITIONAL	\$157.59 +	\$5.26 =	\$162.85 +	\$44.28 =	\$207.13 +	\$14.77 =	\$221.90 Pages 602-604
PRIVATE LINE TO LOOP MUX CONVERSION	\$26.54 +	\$0.89 =	\$27.42 +	\$7.46 =	\$34.88 +	\$2.49 =	\$37.36 Pages 605-606
UNE-COMBINATION LMC MULTIPLEXER DS1 TO DSO	\$143.24 +	\$4.78 =	\$148.02 +	<b>\$40.25</b> =	\$188.27 +	<b>\$13.42</b> =	\$201.69 Pages 607-610
UNE-COMBINATION LMC MULTIPLEXER DS3 TO DS1	\$143.24 +	\$4.78 <i>=</i>	\$148.02 +	\$40.25 <b>=</b>	\$188.27 +	\$13.42 <i>=</i>	\$201.69 Pages 611-614
DS0 ENHANCED EXTENDED LOOP FIRST	\$185.17  +	<b>\$6.18</b> =	<b>\$191.34</b> +	\$52.03 =	\$243.38 +	\$17.35 =	\$260.73 Pages 615-618
DS0 ENHANCED EXTENDED LOOP EACH ADDITIONAL	\$137.98 +	<b>\$4.60</b> =	\$142.58  +	\$38.77 =	\$181.36 +	\$12.93 =	\$194.28 Pages 619-622
DS1 ENHANCED EXTENDED LOOP FIRST	\$227.01 +	\$7.57 =	\$234.59 +	<b>\$63.79</b> =	\$298.38 +	\$21.27 =	\$319.65 Pages 623-626
DS1 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	\$169.36 +	\$5.65 =	\$175.01 +	\$47.59 <i>=</i>	\$222.60 ÷	\$15.87 <i>=</i>	\$238.47 Pages 627-63(
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP FIRST	<b>\$244.67</b> +	\$8.16 =	\$252.83 +	\$68.75 =	\$321.58 +	\$22.92 =	\$344.51 2ages 631-634
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	\$187.02 +	\$6.24 =	\$193.26 +	<b>\$52.55</b> =	\$245.81 +	\$17.52 =	\$263.33 Pages 635-638
PRIVATE LINE TO EEL CONVERSION	<b>\$26.54</b> +	\$0.89 =	\$27.42 +	<b>\$7.46</b> =	\$34.88 +	\$2.49 =	\$37.36 Pages 639-64(
DS1 ENHANCED EXTENDED LOOP TRANSPORT MUX	\$190.92 +	\$6.37 =	\$197.29 +	\$53.65 <b>=</b>	\$250.94 +	\$17.89 =	\$268.83 Pages 641-644
DS3 ENHANCED EXTENDED LOOP TRANSPORT MUX	\$190.92 +	\$6.37 =	\$197.29 +	<b>\$53.65</b> =	\$250.94 +	<b>\$17.89</b> =	\$268.83 Pages 645-648
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	\$43.38 +	\$1.45 =	\$44.83 +	\$12.19 =	\$57.02 <b>+</b>	\$4.06 =	\$61.09 Pages 649-651
UPS CUSTOMER CHANNEL AND UNBUNDLED DISTRIBUTION SUBLOOP	\$91.75 +	\$3.06 =	\$94.81 +	\$25.78 =	\$120.59 +	\$8.60 =	\$129.19 Pages 652-654
UPS CUSTOMER CHANNEL AND CLEC PROVIDED LOOP	\$43.38 +	\$1.45 =	\$44.83 +	\$12.19 =	\$57.02 +	\$4.06 =	\$61.09 Pages 655-657
UPS DS1/DS3 ATM SWITCH INTERFACE PORT	\$164.13 +	<b>\$5.48</b> =	\$169.60 +	\$46.12 =	\$215.72 +	<b>\$15.38</b> =	\$231.10 Pages 658-660

### NONRECURRING ELEMENTS STUDY 6454

# South Dakota 2002

Cost Element	Direct	+	Marketing & Bus. Fees		Direct + Markeling	+	Other Direct Expenses	#	TELRIC	+	Common		TELRIC+	Detail Page Ref.
										100				
10.1.2 - LNP MANAGED CUTS - STANDARD MANAGED CUTS PER PERSON, PER 1/2 HR.	\$37.37	+	\$1.25	=	\$38.62	+	\$10.50	=	\$49.12	+	\$3.50	=	\$52.62	⊃ages 661-662
10.1.2 - LNP MANAGED CUTS - OVERTIME MANAGED CUTS PER PERSON, PER 1/2 HR.	\$48.63	+	\$1.62	=	\$50.25	+	\$13.67	=	\$63.92	+	\$4.56	=	\$68.47	⊃ages 663-664
10.1.2 - LNP MANAGED CUTS - PREMIUM MANAGED CUTS PER PERSON, PER 1/2 HR.	\$59.90	+	\$2.00 =	=	\$61.90	+	\$16.83	=	\$78.73	+	\$5.61	=	\$84.34	<sup>2</sup> ages 665-666
POLE INQUIRY FEE - PER INQUIRY	\$314.75	+	\$10.50 =	=	\$325.26	+	\$88.45	=	\$413.70	+	\$29.49	=	\$443.19	⊃ages 667-66{
INNERDUCT INQUIRY FEE - PER INQUIRY	\$219.41	+	\$7.32 =	=	\$226.73	+	\$61.66	=	\$288.39	+	\$20.56	=	\$308.94	<sup>2</sup> ages 669-67(
RIGHT-OF-WAY INQUIRY PER INQUIRY	\$349.09	+	\$11.65 =	=	\$360.73	+	\$98.10	=	\$458.83	+	\$32.71	=	\$491.54	<sup>2</sup> ages 671-672
RIGHT-OF-WAY DOCUMENT PREPARATION	\$103.52	+	\$3.45 =	=	\$106.97	+	\$29.09	=	\$136.06	+	\$9.70	=	\$145.76	2ages 673-67₄
FIELD VERIFICATION FEE - POLES PER POLE	\$17.25	+	\$0.58 =	=	\$17.83	+	\$4.85	=	\$22.68	+	\$1.62	=	\$24.29	<sup>2</sup> ages 675-676
FIELD VERIFICATION FEE - MANHOLES PER MANHOLE	\$145.81	+	\$4.86 =	=	\$150.67	+	\$40.97	=	\$191.64	+	\$13.66	=	\$205.30	ages 677-678
PLANNER VERIFICATION Per Manhole	\$11.55	+	\$0.39 =	=	\$11.93	+	\$3.24	=	\$15.17	+	\$1.08	=	\$16.26	<sup>2</sup> ages 679-68(
MANHOLE VERIFICATION INSPECTOR Per Manhole	\$77.64	+	\$2.59 =	=	\$80.23	+	\$21.82	=	\$102.05	+	\$7.27	=	\$109.32	Pages 681-682
MANHOLE MAKE-READY INSPECTOR Per Manhole	\$207.04	+	\$6.91 =	=	\$213.95	+	\$58.18	=	\$272.13	+	\$19.40	=	\$291.53	<sup>2</sup> ages 683-684
POLES, DUCTS, RIGHT OF WAY Transfer of Responsibility Fee	\$92.15	+	\$3.07 =	=	\$95.23	+	\$25.90 =	=	\$121.12	+	\$8.63	=	\$129.76	<sup>2</sup> ages 685-686
BONAFIDE REQUEST PROCESS FEE	\$1,739.10	+	\$58.02 =	<b>=</b>	\$1,797.12	+	\$488.70 =	= 9	2,285.82	+	\$162.95	=	\$2,448.77	<sup>2</sup> ages 687-688

### **NONRECURRING ELEMENTS STUDY 6454**

# South Dakota 2002

### **Total Direct Costs and Common Costs**

Marketing & Direct + Other Direct	TELRIC + Detail
Cost Element Direct + Bus. Fees = Marketing + Expenses = TELRIC + Common	= Common Page Ref.

Direct - Direct Costs

Marketing & Bus. Fees - Marketing & Business Fees

Direct + Marketing - Direct Costs + Marketing & Business Fees

Other Direct Expenses - Other Direct Expenses

TELRIC - Total Element Long Run Incremental Costs

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Item	Time Minutes	Prob #1		Prob Applied Time #4 (Minutes)	Labor Mout	Cost
À	В	С	D E	F G B*(CThru F)	Н	H * (G/60)
CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED						
*ADD*						
-INTERCONNECT SERVICE CENTER						
Prob 1 (.05) is percent orders that fall out. Screen and route to order writer.	5	0.050		0.25	\$39.16	\$0.16
Type change of Service Provider - 1st line  Subtotal - INTERCONNECT SERVICE CENTER	10	0.050		0.50	\$39.16	\$0.33 <b>\$0.49</b>
Total For Service:				0.75		\$0.49

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Stein A	Time Minutes B			abor Hour Cost H
			B * (C Thru F)	H * (G/60)

#### CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED (con't,

47 Direct Cost			\$0.40
48			50.40
49	Cost	Cost	
50	Calculation	Factor	Cost
51	B C	D	F
52 Marketing & Business Fees	<u> </u>		
53 Product Management Expense	D53*E47	0.019957	\$0.01
54 Sales Expense	D54*E47	0.011877	\$0.01
55 Product Advertising Expense	D55*E47	0.000000	\$0.00
56 Business Fees (Other Operating Taxes)	D56*Sum(E47:E55)	0.001483	\$0.00
57 Total Marketing & Business Fees	Sum(E47:E56)	0.001400	\$0.02
58		<del></del>	40.02
59 Sub-Total Direct Cost & Marketing	E47+E57	<del></del>	\$0.51
60	C411E01		φ0.51
61 Other Direct Expenses			
62 Network Operations	D62*E59	0.034832	\$0.02
63 Network Support Assets	D63*E59	0.014703	\$0.01
64 General Support Assets	D64*E59	0.088742	\$0.04
65 General Purpose Computers	D65*E59	0.043342	\$0.02
66 Uncollectible	D66*E59	0.003786	\$0.00
67 Accounting & Finance Expense	D67*E59	0.007346	\$0.00
68 Human Resources Expense	D68*E59	0.008294	\$0.00
69 Information Management Expense	D69*E59	0.070887	\$0.04
70 Intangibles	D70*E59	0.000000	\$0.00
71 Total Other Direct Expenses	Sum(E62:E70)	2.00000	\$0.14
72			<del></del>
73 TELRIC	E62+E71		\$0.64
74	•	_	
75 Common			
76 Executive Expense	D76*E73	0.011267	\$0.01
77 Planning Expense	D77*E73	0.000525	\$0.00
78 External Relations Expense	D78*E73	0.037846	\$0.02
79 Legal Expense	D79*E73	0.004717	\$0.00
80 Other Procurement Expense	D80*E73	0.001860	\$0.00
81 Research & Development Expense	D81*E73	0.000006	\$0.00
82 Other General and Admin Expense	D82°E73	0.015064	\$0.01
83 Common Costs	Sum(E76:E82)		\$0.05
84			- L- 221
85 TELRIC + Common Costs	E73+E83		\$0.69

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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\$0.10

0.15

Work Stem A	Time Minutes B	Prob #7 C	Prob Pro 62 d D E	oxo2o8o86950 (0°00 ° 1814848 o	Applied Time (Minutes) G B * (C Thru F)	Labor Mour H	Cost I H * (G/60)
CUSTOMER TRANSFER CHARGE POTS EA ADDL MECHANIZED							
-INTERCONNECT SERVICE CENTER Prob 1 (.05) is percent orders that fall out.							
Type change of Service Provider - additional line	3	0.050			0.15	\$39.16	\$0.10
Subtotal - INTERCONNECT SERVICE CENTER					0.15		\$0.10

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work flem	Time Minutes	Prob #1	Prot Prot #3	Prob Applied Time	Labor Moui Cost
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		•	<i>-</i>	1 4	• • • • • • • • • • • • • • • • • • • •
				B * (C Thru F)	H * (G/60)

#### CUSTOMER TRANSFER CHARGE POTS EA ADDL MECHANIZED (con't,

137 Direct Cost			\$0.10
138			
139	Cost	Cost	
140	Calculation	Factor	Cost
141	B C	D	E
142 Marketing & Business Fees			
143 Product Management Expense	D143*E137	0.019957	\$0.00
144 Sales Expense	D144*E137	0.011877	\$0.00
145 Product Advertising Expense	D145*E137	0.000000	\$0.00
146 Business Fees (Other Operating Taxes)	D146*Sum(E137:E145)	0.001483	\$0.00
147 Total Marketing & Business Fees	Sum(E137:E146)		\$0.00
148			
149 Sub-Total Direct Cost & Marketing	E137+E147		\$0.10
150			
151 Other Direct Expenses			
152 Network Operations	D152*E149	0.034832	\$0.00
153 Network Support Assets	D153*E149	0.014703	\$0.00
154 General Support Assets	D154*E149	0.088742	\$0.01
155 General Purpose Computers	D155*E149	0.043342	\$0.00
156 Uncollectible	D156*E149	0.003786	\$0.00
157 Accounting & Finance Expense	D157*E149	0.007346	\$0.00
158 Human Resources Expense	D158*E149	0.008294	\$0.00
159 Information Management Expens∈	D159*E149	0.070887	\$0.01
160 Intangibles	D160*E149	0.000000	\$0.00
161 Total Other Direct Expenses	Sum(E152:E160)		\$0.03
162			
163 TELRIC	E152+E161		\$0.13
164			
165 Common			
166 Executive Expense	D166*E163	0.011267	\$0.00
167 Planning Expense	D167*E163	0.000525	\$0.00
168 External Relations Expense	D168*E163	0.037846	\$0.00
169 Legal Expense	D169*E163	0.004717	\$0.00
170 Other Procurement Expense	D170*E163	0.001860	\$0.00
171 Research & Development Expense	D171*E163	0.000006	\$0.00
172 Other General and Admin Expense	D172*E163	0.015064	\$0.00
173 Common Costs	Sum(E168:E172)		\$0.01
174			
175 TELRIC + Common Costs	E163+E173		\$0.14

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work  tem	Time Minutes	Prob #1	Prob Prob Pro #2 #3 #4		Labor <i>Hour</i>	Cost
A	В	Ç	D E F	G B * (C Thru F)	Н	H * (G/60)
CUSTOMER TRANSFER CHARGE POTS FIRST MANUAL						
*ADD*						
-INTERCONNECT SERVICE CENTER						
Receive request and send CSR (Customer Service Record)	3	1.000		3.00	\$39.16	\$1.96
Receive and screen LSR (Loop Service Request)	5	1.000		5.00	\$39.16	\$3.26
Type change of Service Provider - 1st line	10	1.000		10.00	\$39.16	\$6.53
Subtotal - INTERCONNECT SERVICE CENTER				18.00		\$11.75
Total For Service:				18.00		\$11.75

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob Prob	C. 15 C. C. C. C. C. C. C. C. C. C. C. C. C.		ebor Your Cost
A	В	C D	E F	G	H I
				B * (C Thru F)	H * (G/60)

#### CUSTOMER TRANSFER CHARGE POTS FIRST MANUAL (con't)

227 Direct Cost			\$11,75
228			
229	Cost	Cost	
230	Calculation	Factor	Cost
231	B C	Ð	E
232 Marketing & Business Fees			
233 Product Management Expense	D233*E227	0.019957	\$0.23
234 Sales Expense	D234*E227	0.011877	\$0.14
235 Product Advertising Expense	D235*E227	0.000000	\$0.00
236 Business Fees (Other Operating Taxes)	D236*Sum(E227:E235)	0.001483	\$0.02
237 Total Marketing & Business Fees	Sum(E227;E236)		\$0.39
238			
239 Sub-Total Direct Cost & Marketing	E227+E237		\$12.14
240			
241 Other Direct Expenses			
242 Network Operations	D242*E239	0.034832	\$0.42
243 Network Support Assets	D243*E239	0.014703	\$0.18
244 General Support Assets	D244*E239	0.088742	\$1.08
245 General Purpose Computers	D245*E239	0.043342	\$0.53
246 Uncollectible	D246*E239	0.003786	\$0.05
247 Accounting & Finance Expense	D247*E239	0.007346	\$0.09
248 Human Resources Expense	D248*E239	0.008294	\$0.10
249 Information Management Expense	D249*E239	0.070887	\$0.86
250 Intangibles	D250*E239	0.000000	\$0.00
251 Total Other Direct Expenses	Sum(E242:E250)		\$3.30
252			
253 TELRIC	E242+E251		\$15.44
254			
255 Common			
256 Executive Expense	D256*E253	0.011267	\$0.17
257 Planning Expense	D257*E253	0.000525	\$0.01
258 External Relations Expens∈	D258°E253	0.037846	\$0.58
259 Legal Expense	D259*E253	0.004717	\$0.07
260 Other Procurement Expense	D260*E253	0.001860	\$0.03
261 Research & Development Expense	D261*E253	0.000006	\$0.00
262 Other General and Admin Expense	D262*E253	0.015064	\$0.23
263 Common Costs	Sum(E256; E262)		\$1.10
264			
265 TELRIC + Common Costs	E253+E263		\$16.54

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work than	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
— A — A — — — — — — — — — — — — — — — —	В	С	D.	E	F	G -	н	
						B * (C Thru F)		H * (G/60)

#### CUSTOMER TRANSFER CHARGE POTS EA ADDL MANUAL

\*ADD\*

-INTERCONNECT SERVICE CENTER

Type change of Service Provider - additional line

3 1.000

3.00 \$39.16

\$1.96

Subtotal - INTERCONNECT SERVICE CENTER	3.00	\$1.96
Total For Service:	3.00	\$1,96

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work than	Time Minutes	Prob Pro #1 #2	b Prob	Prob Applied Time #4 (Minutes)		Cost
n		•	_	г 9	П	1
				B * (C Thru F)	н •	(G/60)

#### CUSTOMER TRANSFER CHARGE POTS EA ADDL MANUAL (con't)

320   321   322   Marketing & Business Fees   323   Product Management Expense   D32; 324   Sales Expense   D32; 325   Product Advertising Expense   D32; 326   Business Fees (Other Operating Taxes)   D32; 327   Total Marketing & Business Fees   Sum 328   Sub-Total Direct Cost & Marketing   E317   330   Sub-Total Direct Expenses   Sum 328   Sub-Total Direct Expenses   Sum 331   Other Direct Expenses   Sum 332   Network Operations   D33; 333   Network Support Assets   D33; 334   General Support Assets   D33; 335   General Support Assets   D33; 336   Uncollectible   D33; 337   Accounting & Finance Expense   D33; 338   Human Resources Expense   D33; 339   Information Management Expense   D33; 340   Intangibles   D34; 341   Total Other Direct Expenses   Sum 342   Sum 342   Sum 344   Sum 345   Common   Sum 346   Executive Expense   Sum 347   Planning Expense   D346   Sum 347   Planning Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D348   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D347   Sum 348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense   D348   External Relations Expense	Cost Unition Factor B C D PE317 0.019957 PE317 0.011877 0.000000 PE317 0.000000 PSum(E317:E325) 0.001483 E317:E326) PE329 0.034832 PE329 0.014703 PE329 0.088742 PE329 0.033482	\$0.0 \$0.0 \$0.0 \$0.0 \$2.0 \$0.0 \$0.0 \$0.0
Section	Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   P	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
321       322 Marketing & Business Fees       D32:         323 Product Management Expense       D32:         324 Sales Expense       D32:         325 Product Advertising Expense       D32:         326 Business Fees (Other Operating Taxes)       D32:         327 Total Marketing & Business Fees       Sum         328       Sum         329 Sub-Total Direct Cost & Marketing       E317         330       Tother Direct Expenses         332 Network Operations       D33:         333 Network Support Assets       D33:         334 General Support Assets       D33:         335 General Purpose Computers       D33:         336 Uncollectible       D33:         337 Accounting & Finance Expense       D33:         339 Information Management Expense       D33:         340 Intangibles       D34:         341 Total Other Direct Expenses       Sum         343 TELRIC       E332         344       Executive Expense       D34:         347 Planning Expense       D34:         348 External Relations Expense       D346	B C D PE317 0.019957 PE317 0.011877 PE317 0.000000 PSum(E317:E325) 0.001483 E317:E326) PE329 0.034832 PE329 0.014703 PE329 0.088742 PE329 0.043342	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
322 Marketing & Business Fees       D32:         323 Product Management Expense       D32:         325 Product Advertising Expense       D32:         326 Business Fees (Other Operating Taxes)       D32:         327 Total Marketing & Business Fees       Sum         328       Sub-Total Direct Cost & Marketing       E317         330       E317         331 Other Direct Expenses       E317         332 Network Operations       D33:         333 Network Support Assets       D33:         334 General Support Assets       D33:         335 General Purpose Computers       D33:         336 Uncollectible       D33:         337 Accounting & Finance Expense       D33:         339 Information Management Expense       D33:         340 Intangibles       D34:         341 Total Other Direct Expenses       Sum         342 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	PE317 0.011877 0.000000 PSum(E317:E325) 0.001483 E317:E326) PE327 PE329 0.034832 PE329 0.04703 PE329 0.088742 PE329 0.043342	\$0.0 \$0.0 \$0.0 \$0.0 \$2.0 \$0.0 \$0.0 \$0.0
323 Product Management Expense       D32:         324 Sales Expense       D32:         325 Product Advertising Expense       D32:         326 Business Fees (Other Operating Taxes)       D32:         327 Total Marketing & Business Fees       Sum         328       Sub-Total Direct Cost & Marketing       E317         330       Other Direct Expenses         331 Other Direct Expenses       D33:         332 Network Operations       D33:         333 Network Support Assets       D33:         334 General Purpose Computers       D33:         336 Uncollectible       D33:         337 Accounting & Finance Expense       D33:         339 Information Management Expense       D33:         340 Intangibles       D34:         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	PE317 0.011877 0.000000 PSum(E317:E325) 0.001483 E317:E326) PE327 PE329 0.034832 PE329 0.04703 PE329 0.088742 PE329 0.043342	\$0.0 \$0.0 \$0.0 \$0.0 \$2.0 \$0.0 \$0.0 \$0.0
324 Sales Expense       D324         325 Product Advertising Expense       D325         326 Business Fees (Other Operating Taxes)       D326         327 Total Marketing & Business Fees       Sum         328       Sub-Total Direct Cost & Marketing       E317         330       331 Other Direct Expenses       E317         332 Network Operations       D335         333 Network Support Assets       D335         334 General Support Assets       D335         335 General Purpose Computers       D336         336 Uncollectible       D337         337 Accounting & Finance Expense       D337         339 Information Management Expense       D336         340 Intangibles       D336         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344 Y Planning Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D347	PE317 0.000000 PSum(E317:E325) 0.001483 E317:E326) PE327 PE329 0.034832 PE329 0.014703 PE329 0.088742 PE329 0.043342	\$0.0 \$0.0 \$0.0 \$2.0 \$0.0 \$0.0 \$0.0 \$0.0
325 Product Advertising Expense       D325         326 Business Fees (Other Operating Taxes)       D326         327 Total Marketing & Business Fees       Sum         328       Sub-Total Direct Cost & Marketing       E317         330       E317         331 Other Direct Expenses       D337         332 Network Operations       D333         333 Network Support Assets       D333         334 General Support Assets       D334         335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         339 Information Management Expense       D335         340 Intangibles       D344         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D347         347 Planning Expense       D347         348 External Relations Expense       D348	*E327 0.001483 E317:E326)  *E327  *E329 0.034832  *E329 0.014703  *E329 0.088742  *E329 0.043342	\$0.0 \$0.0 \$2.0 \$0.0 \$0.0 \$0.0
326 Business Fees (Other Operating Taxes)       D326         327 Total Marketing & Business Fees       Sum         328       Sub-Total Direct Cost & Marketing       E317         330       331       Other Direct Expenses         332 Network Operations       D333         333 Network Support Assets       D333         334 General Support Assets       D334         335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D337         339 Information Management Expense       D335         340 Intangibles       D344         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E317:E326)  E327  E329	\$0.0 \$2.0 \$0.0 \$0.0 \$0.1
327 Total Marketing & Business Fees       Sum         328       E317         329 Sub-Total Direct Cost & Marketing       E317         330       Say Detwork Operations       D334         331 Network Support Assets       D335         334 General Support Assets       D334         335 General Purpose Computers       D336         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         340 Intangibles       D336         341 Total Other Direct Expenses       D346         342       Sum         343 TELRIC       E332         344       Sum         345 Common       S46         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E317:E326)  E327  E329	\$0.0 \$2.0 \$0.0 \$0.0 \$0.0
328         329 Sub-Total Direct Cost & Marketing       E317         330       331 Other Direct Expenses         332 Network Operations       D333         333 Network Support Assets       D333         334 General Support Assets       D334         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         339 Information Management Expense       D336         340 intangibles       D340         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Steecutive Expense       D346         345 Common       S46 Executive Expense       D347         348 External Relations Expense       D348	E329 0.034832 E329 0.014703 E329 0.088742 E329 0.043342	\$0.0 \$0.0 \$0.1
330 331 Other Direct Expenses 332 Network Operations D333 333 Network Support Assets D334 335 General Support Assets D335 336 Uncollectible D336 337 Accounting & Finance Expense D337 338 Human Resources Expense D337 339 Information Management Expense D336 340 Intangibles D340 341 Total Other Direct Expenses Sum 342 343 TELRIC E332 344 345 Common 346 Executive Expense D346 347 Planning Expense D347 348 External Relations Expense	E329 0.034832 E329 0.014703 E329 0.088742 E329 0.043342	\$0.0 \$0.0 \$0.1
331 Other Direct Expenses         332 Network Operations       D333         333 Network Support Assets       D334         334 General Support Assets       D334         335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         340 Intangibles       D346         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344 4       Common         345 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 0.014703 E329 0.088742 E329 0.043342	\$0.0 \$0.1
332 Network Operations       D33/3         333 Network Support Assets       D33/3         334 General Support Assets       D33/4         335 General Purpose Computers       D33/6         336 Uncollectible       D33/6         337 Accounting & Finance Expense       D33/7         338 Human Resources Expense       D33/6         340 Intangibles       D33/6         341 Total Other Direct Expenses       D34/6         342       Sum         343 TELRIC       E33/2         344       Sum         345 Common       Sum         346 Executive Expense       D34/6         347 Planning Expense       D34/7         348 External Relations Expense       D34/8	E329 0.014703 E329 0.088742 E329 0.043342	\$0.0 \$0.1
333 Network Support Assets       D333         334 General Support Assets       D334         335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         339 Information Management Expense       D336         340 intangibles       D340         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 0.014703 E329 0.088742 E329 0.043342	\$0.0 \$0.1
334 General Support Assets       D334         335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         339 Information Management Expense       D335         340 Intangibles       D340         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 0.088742 E329 0.043342	\$0.1
335 General Purpose Computers       D335         336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         339 Information Management Expense       D336         340 Intangibles       D344         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	<b>E329</b> 0.043342	
336 Uncollectible       D336         337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         339 Information Management Expense       D346         340 Intangibles       D344         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348		ቁለ ፣
337 Accounting & Finance Expense       D337         338 Human Resources Expense       D336         339 Information Management Expense       D336         340 Intangibles       D346         341 Total Other Direct Expenses       Sum         342       E332         343 TELRIC       E332         344       Executive Expense         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E220 0.000700	φυ.ι
338 Human Resources Expense       D336         339 Information Management Expense       D335         340 Intangibles       D340         341 Total Other Direct Expenses       Sum         342       Sum         343 TELRIC       E332         344       Sum         345 Common       Sum         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 U.UU3700	\$0.0
339 Information Management Expense       D335         340 Intangibles       D346         341 Total Other Direct Expenses       Sum         342       343 TELRIC       E332         344       345 Common         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 0.007346	\$0.0
340 Intangibles       D340         341 Total Other Direct Expenses       Sum         342       343 TELRIC       E332         344       345 Common       346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	'E329 0.008294	\$0.0
341 Total Other Direct Expenses       Sum         342       343 TELRIC       E332         344       345 Common       346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	'E329 0.070887	\$0.1
342       E332         343 TELRIC       E332         344       E345         345 Common       Common         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E329 0.000000	\$0.0
343 TELRIC       E332         344       345         345 Common       346 Executive Expense         346 Planning Expense       D347         347 Planning Expense       D347         348 External Relations Expense       D348	E332:E340)	\$0.5
344         345 Common         346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348		
345 Common       346 Executive Expense       D346         347 Planning Expense       D347         348 External Relations Expense       D348	E341	\$2.5
346 Executive Expense         D346           347 Planning Expense         D347           348 External Relations Expense         D348		
347 Planning Expense D347 348 External Relations Expense D348		
348 External Relations Expense D348	E343 0.011267	
	E343 0.000525	\$0.0
349 Legal Expense D349	E343 0.037846	\$0.1
5 · 5 · 2 · 2 · 5 · · · · · · · · · · ·	E343 0.004717	\$0.0
350 Other Procurement Expense D350		
	· · · · · · · · · · · · · · · · · · ·	
	E343 0.000006	\$0.0
	E343 0.000006 E343 0.015064	
354 355 TELRIC + Common Costs E343	E343 0.000006	\$0.1

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

NRECURKING COST DETAIL SUMMARY

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Date: 06/03/02

Work Hum	Time Minutes	Prob #1	Prob #2		Prot Applied Time #4 (Minutes)	Labor Mour	Cost
Â	В	С	D	Ē	F G B*(CThru F)	Н	I H * (G/60)
					5 (0 11101)		(G/00)
CUSTOMER TRANSFER CHARGE PRIVATE LINE FIRST							
*ADD*							
-INTERCONNECT SERVICE CENTER							
Receive and screen LSR (Local Service Request)	5	1.000			5.00	\$40.03	\$3.34
Type Change of Service Provider	20	1.000			20.00	\$40.03	\$13.34
Fax FOC (Firm Order Confirmation) to co-provider Correct and complete order in SOPS	2	1.000 1.000			2.00 5.00	\$40.03 \$40.03	\$1.33 \$3.34
Correct and complete order in SOFS	3	1.000			5.00	\$40.03	<b>\$3.54</b>
Subtotal - INTERCONNECT SERVICE CENTER					32.00		\$21.35
-SERVICE DESIGN CENTER - IMPLEMENTOR							
Access Work Authorization	2	1.000			2.00	\$44.31	\$1.48
Distribute to field	3	1.000			3.00	\$44.31	\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR					5.00		\$3.69
Total For Service:					37.00		\$25.04

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rain A	Time Minutes B	Prob #1 C	Prob #2 D	Prab Prob #3 #4 E F	Applied Time (Minutes) G	Labor /Hour Cost H
					B * (C Thru F)	H * (G/60)

# CUSTOMER TRANSFER CHARGE PRIVATE LINE FIRST (con't,

AGB   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   C	407 Direct Cost			\$25.04
A09				***************************************
10		Cost	Cost	
### ### ### ### ### #### #### ########	410			Cost
A12 Marketing & Business Fees   D413*E407   0.019957   \$0.50   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47   \$1.47				
A13 Product Management Expense   D413*E407   0.019957   \$0.50     A14 Sales Expense   D414*E407   0.011877   \$0.30     A15 Product Advertising Expense   D416*E407   0.000000   \$0.00     A16 Business Fees (Other Operating Taxes)   D416*Sum(E407:E415)   0.001483   \$0.04     A17 Total Marketing & Business Fees   Sum (E407:E416)   \$0.001483   \$0.04     A18			-	
A14 Sales Expense   D414*E407   0.011877   \$0.30     A15 Product Advertising Expense   D415*E407   0.000000   \$0.00     A16 Business Fees (Other Operating Taxes)   D416*Sum(E407:E415)   0.01433   \$3.04     A17   Total Merketing & Business Fees   Sum (E407:E416)   \$0.084     A18   Sub-Total Direct Cast & Marketing   E407+E417   \$25.88     A20   A21   Other Direct Expenses   A22   Other Direct Expenses   A23   Other Direct Expenses   A24   Other Direct Expenses   A24   Other Direct Expenses   A25   Other Direct Expenses   A25   Other Direct Expenses   A26   Other Direct Expenses   A27   Other Direct Expenses   A28   Other Direct Expenses   A29   Other Direct Expenses   A29   Other Direct Expenses   A29   Other Direct Expenses   A29   Other Direct Expenses   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A29   Other Direct Expense   A2		D413*E407	0.019957	\$0.50
A15 Product Advertising Expense   D416*Sum(E407:E415)   0.000000   \$0.00     A16 Business Fees (Other Operating Taxes)   S0.04     A17   Total Marketing & Business Fees   Sum(E407:E416)   0.001483   \$0.04     A18   Sub-Total Direct Cost & Marketing   E407+E417   \$25.88     A20   A20   E407+E419   0.034832   \$0.90     A21 Other Direct Expenses   D422*E419   0.034832   \$0.90     A22 Network Operations   D422*E419   0.084742   \$2.30     A23 Network Support Assets   D423*E419   0.084742   \$2.30     A24 General Europose Computers   D426*E419   0.084742   \$2.30     A25 General Europose Computers   D426*E419   0.003766   \$0.10     A27 Accounting & Finance Expense   D426*E419   0.003766   \$0.10     A27 Accounting & Finance Expense   D426*E419   0.007346   \$0.19     A28 Human Resources Expense   D427*E419   0.007346   \$0.19     A29 Human Resources Expense   D428*E419   0.006824   \$0.21     A29 Human Resources Expense   D428*E419   0.006824   \$0.21     A20 Human Resources Expense   D428*E419   0.006824   \$0.21     A21   Total Other Direct Expenses   D430*E419   0.000000   \$0.00     A31   Total Other Direct Expenses   D430*E419   0.000000   \$0.00     A32   TELRIC   E422*E431   \$3.291     A33 TELRIC   E422*E431   \$3.291     A35 Common   S0.00   S0.00   S0.00     A36 Executive Expense   D430*E433   0.011267   \$0.37     A37 Planning Expense   D430*E433   0.00774   \$0.15     A49 External Relations Expense   D430*E433   0.00774   \$0.15     A40 Other Procurement Expense   D430*E433   0.00774   \$0.15     A41 Research & Development Expense   D440*E433   0.00777   \$0.15     A41 Research & Development Expense   D440*E433   0.001660   \$0.00     A42 Other Procurement Expense   D440*E433   0.001660   \$0.00     A42 Other General and Admin Expense   D440*E433   0.001660   \$0.00     A42 Other General and Admin Expense   D440*E433   0.001660   \$0.00     A42 Other General and Admin Expense   D440*E433   0.001660   \$0.00     A42 Other General and Admin Expense   D440*E433   0.001660   \$0.00     A42 Other General and Admin Expense   D440*E				
A 16   Business Fees (Other Operating Taxes)   D416*Sum(E407:E415)   0.001483   \$0.04     A 17   Total Marketing & Business Fees   Sum (E407:E416)   \$0.084     A 18   Sub-Total Direct Cost & Marketing   E407+E417   \$25,88     A 19   Sub-Total Direct Cost & Marketing   E407+E417   \$25,88     A 20   Other Direct Expenses		- · · · · - · • ·		
A17   Total Marketing & Business Fees		- · · · · · · · · · · · · · · · · · · ·		
A18			0.001.100	
419 Sub-Total Direct Expenses   242 Network Operations   D422*E419   0.034832   \$0.90			<del></del>	- 40.0 1
A21   Other Direct Expenses		E407+E417		\$25.88
422 Network Operations       D422*E419       0.034832       \$0.90         423 Network Support Assets       D423*E419       0.014703       \$0.38         424 General Support Assets       D424*E419       0.08274       \$2.30         425 General Purpose Computers       D425*E419       0.043342       \$1.12         426 Uncollectible       D426*E419       0.003786       \$0.10         427 Accounting & Finance Expense       D427*E419       0.007348       \$0.19         428 Human Resources Expense       D428*E419       0.008294       \$0.21         429 Information Management Expense       D429*E419       0.070887       \$1.83         430 Intangibles       D430*E419       0.00000       \$0.00         431 [Total Other Direct Expenses       Sum(E422:E430)       \$7.04         432       E422*E431       \$32.91         433 TELRIC       E422*E431       \$32.91         434       Executive Expense       D436*E433       0.011267       \$0.37         437 Planning Expense       D437*E433       0.00525       \$0.02         438 External Relations Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research &		<del></del>		
422 Network Operations       D422*E419       0.034832       \$0.90         423 Network Support Assets       D423*E419       0.014703       \$0.38         424 General Support Assets       D424*E419       0.08274       \$2.30         425 General Purpose Computers       D425*E419       0.043342       \$1.12         426 Uncollectible       D426*E419       0.003786       \$0.10         427 Accounting & Finance Expense       D427*E419       0.007348       \$0.19         428 Human Resources Expense       D428*E419       0.008294       \$0.21         429 Information Management Expense       D428*E419       0.070887       \$1.83         430 Intangibles       D430*E419       0.070000       \$0.00         431 [Total Other Direct Expenses       Sum(E422:E430)       \$7.04         432       E422*E431       \$32.91         433 TELRIC       E422*E431       \$32.91         434       Executive Expense       D436*E433       0.011267       \$0.37         437 Planning Expense       D437*E433       0.00525       \$0.02         438 External Relations Expense       D438*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research &	421 Other Direct Expenses			
423 Network Support Assets       D423*E419       0.014703       \$0.38         424 General Support Assets       D424*E419       0.088742       \$2.30         425 General Purpose Computers       D425*E419       0.043342       \$1.12         426 Uncollectible       D426*E419       0.003786       \$0.10         427 Accounting & Finance Expense       D427*E419       0.007346       \$0.19         428 Human Resources Expense       D428*E419       0.008294       \$0.21         429 Information Management Expense       D429*E419       0.070867       \$1.83         430 Intangibles       D430*E419       0.000000       \$0.00         431 Total Other Direct Expenses       Sum(E422:E430)       \$7.04         432       Sum(E422:E431)       \$32.91         434       \$3.7ELRIC       E422+E431       \$32.91         435       Common       \$3.37         436 Executive Expense       D436*E433       0.011267       \$0.37         437 Planning Expense       D439*E433       0.000525       \$0.02         438 External Relations Expense       D439*E433       0.037846       \$1.25         439 Legal Expense       D439*E433       0.001717       \$0.16         440 Other Procurement Expense       D440*E433		D422*E419	0.034832	\$0.90
A24 General Support Assets		D423*E419		·
425 General Purpose Computers       D425*E419       0.043342       \$1.12         426 Uncollectible       D426*E419       0.003786       \$0.10         427 Accounting & Finance Expense       D427*E419       0.007346       \$0.19         428 Human Resources Expense       D428*E419       0.008294       \$0.21         429 Information Management Expense       D429*E419       0.070887       \$1.83         430 Intangibles       D430*E419       0.000000       \$0.00         431 Total Other Direct Expenses       Sum(E422:E430)       \$7.04         432       Sum(E422:E430)       \$32.91         433       **Common**       ***Common**       \$32.91         434       ***Common**       ***D436*E433       0.011267       \$0.37         437 Planning Expense       D436*E433       0.00525       \$0.02         438 External Relations Expense       D439*E433       0.007846       \$1.25         439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.004717       \$0.06         441 Research & Development Expense       D441*E433       0.001860       \$0.00         442 Cither General and Admin Expense       D442*E433       0.015064       \$0.50 </td <td></td> <td>D424*E419</td> <td>0.088742</td> <td></td>		D424*E419	0.088742	
426 Uncollectible   D426*E419   0.003786   \$0.10     427 Accounting & Finance Expense   D428*E419   0.007346   \$0.19     428 Human Resources Expense   D428*E419   0.008294   \$0.21     429 Information Management Expense   D428*E419   0.008294   \$0.21     430 Intangibles   D430*E419   0.000000   \$0.00     431   Total Other Direct Expenses   Sum(E422:E430)   \$7.04     432     433   TELRIC   E422+E431   \$32.91     434     435   Common     436   Executive Expense   D436*E433   0.011267   \$0.37     437   Planning Expense   D436*E433   0.00525   \$0.02     438   External Relations Expense   D439*E433   0.00525   \$0.02     439   Legal Expense   D439*E433   0.007846   \$1.25     439   Legal Expense   D439*E433   0.004717   \$0.16     440   Other Procurement Expense   D440*E433   0.001860   \$0.06     441   Research & Development Expense   D440*E433   0.001860   \$0.06     442   Common Costs   Sum(E436:E442)   \$2.35     444   Common Costs   Sum(E436:E442)   \$2.35     444	· ·	D425*E419		
427 Accounting & Finance Expense   D427*E419   0.007346   \$0.19     428 Human Resources Expense   D428*E419   0.008294   \$0.21     429 Information Management Expense   D429*E419   0.070887   \$1.83     430 Intangibles   D430*E419   0.000000   \$0.00     431   Total Other Direct Expenses   Sum(E422:E430)   \$7.04     432                       433   TELRIC   E422+E431   \$32.91     434                           435   Common                         436   Executive Expense   D437*E433   0.001267   \$0.37     437   Planning Expense   D438*E433   0.003625   \$0.02     438   External Relations Expense   D438*E433   0.0037846   \$1.25     439   Legal Expense   D439*E433   0.004717   \$0.16     440   Other Procurement Expense   D439*E433   0.001860   \$0.06     441   Research & Development Expense   D440*E433   0.001860   \$0.06     442   Other General and Admin Expense   D441*E433   0.00006   \$0.00     443   Common Costs   Sum(E436:E442)   \$2.35     444		D426*E419		· · · · · –
428 Human Resources Expense   D428*E419   0.008294   \$0.21     429 Information Management Expense   D429*E419   0.070887   \$1.83     430 Intangibles   D430*E419   0.000000   \$0.00     431   Total Other Direct Expenses   Sum(E422:E430)   \$7.04     432				
429 Information Management Expense   D429*E419   0.070687   \$1.83   430 Intangibles   D430*E419   0.000000   \$0.00   \$3.00   \$3.11   Total Other Direct Expenses   Sum(E422:E430)   \$7.04   \$3.29   \$3.29   \$3.37   TELRIC   E422+E431   \$3.2.91   \$3.2.91   \$3.44   \$3.5   Common   \$436   Executive Expense   D436*E433   0.011267   \$0.37   \$3.37   Planning Expense   D437*E433   0.00525   \$0.02   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.95   \$3.9		D428*E419		
A30 Intangibles		D429*E419		
431   Total Other Direct Expenses   Sum(E422:E430)   \$7.04     432		D430*E419	*	
432   433 TELRIC   E422+E431   \$32.91     434   435   Common     436   Executive Expense   D436*E433   0.011267   \$0.37     437   Planning Expense   D437*E433   0.000525   \$0.02     438   External Relations Expense   D438*E433   0.037846   \$1.25     439   Legal Expense   D439*E433   0.004717   \$0.16     440   Other Procurement Expense   D440*E433   0.001860   \$0.06     441   Research & Development Expense   D441*E433   0.000066   \$0.00     442   Other General and Admin Expense   D442*E433   0.015064   \$0.50     443   Common Costs   Sum(E436:E442)   \$2.35     444		Sum(E422:E430)		
434 435 Common 436 Executive Expense 437 Planning Expense 438 External Relations Expense 439 Legal Expense 439 Legal Expense 440 Other Procurement Expense 441 Research & Development Expense 442 Other General and Admin Expense 443 Development Expense 444 Other General and Admin Expense 445 Development Expense 446 Other General and Expense 447 Expense 448 External Relations Expense 448 Development Expense 449 Development Expense 440 Other General and Admin Expense 441 Research & Development Expense 443 Sommon Costs 444 Startes Sum(E436:E442) 444	432			<u>-</u>
435 Common       D436*E433       0.011267       \$0.37         436 Executive Expense       D437*E433       0.000525       \$0.02         437 Planning Expense       D438*E433       0.037846       \$1.25         439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35	433 TELRIC	E422+E431		\$32.91
436 Executive Expense       D436*E433       0.011267       \$0.37         437 Planning Expense       D437*E433       0.000525       \$0.02         438 External Relations Expense       D438*E433       0.037846       \$1.25         439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.00006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35	434			
437 Planning Expense       D437*E433       0.000525       \$0.02         438 External Relations Expense       D438*E433       0.037846       \$1.25         439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35	435 Common			
438 External Relations Expense       D438*E433       0.037846       \$1.25         439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35	436 Executive Expense	D436*E433	0.011267	\$0.37
439 Legal Expense       D439*E433       0.004717       \$0.16         440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 [Common Costs]       Sum(E436:E442)       \$2.35	437 Planning Expense	D437*E433	0.000525	\$0.02
440 Other Procurement Expense       D440*E433       0.001860       \$0.06         441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35         444	438 External Relations Expense	D438*E433	0.037846	\$1.25
441 Research & Development Expense       D441*E433       0.000006       \$0.00         442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35         444	439 Legal Expense	D439*E433	0.004717	\$0.16
442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35         444		D440*E433	0.001860	\$0.06
442 Other General and Admin Expense       D442*E433       0.015064       \$0.50         443 Common Costs       Sum(E436:E442)       \$2.35         444	441 Research & Development Expense	D441*E433	0.000006	\$0.00
443 Common Costs Sum(E436:E442) \$2.35		D442*E433	0.015064	\$0.50
444	443 Common Costs	Sum(E436: E442)		\$2.35
445 TELRIC + Common Costs E433+E443 \$35.26	444		<del></del>	
	445 TELRIC + Common Costs	E433+E443	3	\$35.26

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work them	Time Minutes	Prob #1	Prob #2	Prot Pr	ob Applied Time 4 (Minutes)	Labor Mour	Cost
A	В	С	D	E	G	Н	T
					B*(C Thru F)		H * (G/60)
CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADDL							
*ADD*							
-INTERCONNECT SERVICE CENTER							
Receive and screen LSR (Local Service Request)	_5	1.000			5.00	\$40.03	\$3.34
Type Change of Service Provider	20 2	1.000 1.000			20.00	\$40.03 \$40.03	\$13.34
Fax FOC (Firm Order Confirmation) to co-provider Correct and complete order in SOPS	5	1.000			2.00 5.00	\$40.03	\$1.33 \$3.34
Subtotal - INTERCONNECT SERVICE CENTER					32.00		\$21.35
-SERVICE DESIGN CENTER - IMPLEMENTOR							
Access Work Authorization	2	1.000			2.00	\$44.31	\$1.48
Distribute to field	3	1.000			3.00	\$44.31	\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR					5.00		\$3.69
Total For Service:					37.00		\$25.04

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Hern A	Time Minutes B	Prob #1 C	Proti #2 D	Prob Applied Time #4 (Minutes) F G	Labor /Hour H	Cost
				B * (C Thru F)		H * (G/60)

# CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADDL (con't,

497 Direct Coat			\$25.04
498			
499	Cost	Cost	
500	Calculation	Factor	Cost
501	B C	D	E
502 Marketing & Business Fees			
503 Product Management Expense	D503*E497	0.019957	\$0.50
504 Sales Expense	D504*E497	0.011877	\$0.30
505 Product Advertising Expense	D505*E497	0.000000	\$0.00
506 Business Fees (Other Operating Taxes)	D506*Sum(E497:E505)	0.001483	\$0.04
507 Total Marketing & Business Fees	Sum(E497:E506)		\$0.84
508			
509 Sub-Total Direct Cost & Marketing	E497+E507		\$25.86
510			
511 Other Direct Expenses			
512 Network Operations	D512*E509	0.034832	\$0.90
513 Network Support Assets	D513*E509	0.014703	\$0.38
514 General Support Assets	D514*E509	0.088742	\$2.30
515 General Purpose Computers	D515*E509	0.043342	\$1.12
516 Uncollectible	D516*E509	0.003786	\$0.10
517 Accounting & Finance Expense	D517*E509	0.007346	\$0.19
518 Human Resources Expense	D518*E509	0.008294	\$0.21
519 Information Management Expense	D519*E509	0.070887	\$1.83
520 Intangibles	D520*E509	0.000000	\$0.00
521 Total Other Direct Expenses	Sum(E512:E520)		\$7.04
522			
523 TELRIC	E512+E521		\$32.91
524			
525 Common			
526 Executive Expense	D526°E523	0.011267	\$0.37
527 Planning Expens€	D527*E523	0.000525	\$0.02
528 External Relations Expens€	D528*E523	0.037846	\$1.25
529 Legal Expense	D529*E523	0.004717	\$0.16
530 Other Procurement Expense	D530*E523	0.001860	\$0.06
531 Research & Development Expense	D531*E523	0.000006	\$0.00
532 Other General and Admin Expense		0.015064	\$0.50
533 Common Costs	Sum(E526:E532)		\$2.35
534			
535 TELRIC + Common Costs	E523+E533		\$35,26

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time #4 (Minutes)	Labor Mour	Cost
A	В	С	D	E	F G	н	
					B * (C Thru F)		H * (G/60)
CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT							
*ADD*							
-INTERCONNECT SERVICE CENTER (ISC)							
Local Service Request (LSR) - Fax to EAC consultant	2	1.000			2.00	\$39.16	\$1.31
Subtotal - INTERCONNECT SERVICE CENTER (ISC)					2.00		\$1.31
-INTERPRISE - ACCOUNT CONSULTANT							
Input Order into FRSR (Frame Relay Service)	12	1.000			12.00	\$39.16	\$7.83
Subtotal - INTERPRISE - ACCOUNT CONSULTANT					12.00		\$7.83
-INTERPRISE - CUSTOMER SERVICE DELIVERY (DATA APPLICATIONS ORDER SPECIALIST)							
Verify FRSR (Frame Relay Service)	10	1.000			10.00	\$39.16	\$6.53
Address Verification	5	1.000			5.00	\$39.16	\$3.26
Send to EXACT / Assign order	5	1.000			5.00	\$39.16	\$3.26
Send information to IABS and updates ORACLE	3	1.000			3.00	\$39.16	\$1.96
issue IABS Order	10	1.000			10.00	\$39.16	\$6.53
Complete IABS order & send to Billing	10	1.000			10.00	\$39.16	\$6.53
Subtotal - INTERPRISE - CUSTOMER SERVICE DELIVERY (DATA APPLICATIONS ORDER SPECIALIST					43.00		\$28.06
Total For Service:					57.00		\$37.20

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work them	Time Misutes	Prob Prob		Prob Applied Time £4 (Minutes)	Labor Mour Cost
A	В	C D	E	F G	н
				B * (C Thru F)	H * (G/60)

# CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT (con't,

587 Direct Cost			\$37.20
588		<u> </u>	401.60
589	Cost	Cost	
590			Cost
591	8 6	D	E
592 Marketing & Business Fees			
593 Product Management Expense	D593*E587	0.019957	\$0.74
594 Sales Expense	D594*E587	0.011877	\$0.44
595 Product Advertising Expense	D595°E587	0.000000	\$0.00
596 Business Fees (Other Operating Taxes)	D596*Sum(E587:E595)	0.001483	\$0.06
597 Total Marketing & Business Fees	Sum(E587:E596)		\$1.24
598			
599 Sub-Total Direct Cost & Marketing	E587+E597		\$38.44
600	<u> </u>		
601 Other Direct Expenses			
602 Network Operations	D602*E599	0.034832	\$1.34
603 Network Support Assets	D603*E599	0.014703	\$0.57
604 General Support Assets	D604*E599	0.088742	\$3.41
605 General Purpose Computers	D605°E599	0.043342	\$1.67
606 Uncollectible	D606*E599	0.003786	\$0.15
607 Accounting & Finance Expense	D607*E599	0.007346	\$0.28
608 Human Resources Expense	D608*E599	0.008294	\$0.32
609 Information Management Expense	D609°E599	0.070887	\$2.73
610 Intangibles	D610*E599	0.000000	\$0.00
611 Total Other Direct Expenses	Sum(E602:E610)		\$10.45
612	E602+E611		640.00
613 TELRIC 614	E002+E011		\$48.90
615 Common			
616 Executive Expense	D616*E613	0.011267	\$0.55
617 Planning Expense	D617*E613	0.000525	\$0.03
618 External Relations Expense	D617 E613	0.037846	\$1.85
619 Legal Expense	D619*E613	0.004717	\$0.23
620 Other Procurement Expense	D620*E613	0.001860	\$0.09
621 Research & Development Expense	D621*E613	0.000006	\$0.00
622 Other General and Admin Expense	D622*E613	0.015064	\$0.74
623 Common Costs	Sum(E616:E622)		\$3.49
624			
625 TELRIC + Common Costs	E613+E623		\$52.38
The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa			

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Wor	k Hem A	Time Minutes B	rab Pro #2 #3 D E		Labor Alour Cost H
				B*(C Thru F)	H * (G/60)

# DS1 ENTRANCE FACILITY

#### \*ADD\*

-SERVCIE DELIVERY COORDINATOR

Cost associated with DS1 EF order processed by coordinator is assumed to be recovered on order provisioning the direct trunk transport order.

The facility order for the DTT is in the First Trunk cost.

Subtotal - SERVCIE DELIVERY COORDINATOR			0.00		\$0.00
-DESIGN					
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.					
LOG AND VERIFY FACILITY manual orders	45	0.050	2.25	\$44,31	\$1.66
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION manual orders	6	0.050	0.30	\$44.31	\$0.22
BUILD AND VERIFY CIRCUIT DESIGN manual orders	15	0.200	3.00	\$44.31	\$2.22
DISTRIBUTE DOCUMENTS	4	1.000	4.00	\$44.31	\$2.95
LOG AND VERIFY FACILITY mechanized orders	25	0.950	23.75	\$44.31	\$17.54
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION mechanized o	3	0.950	2.85	\$44.31	\$2.10
BUILD AND VERIFY CIRCUIT DESIGN mechanized orders	5	0.800	4.00	\$44.31	\$2.95
Subtotal - DESIGN			40.15		\$29.65
-CENTRAL OFFICE FRAMES					
ANALYZE ORDER	5	1.000	5.00	\$43.81	\$3.65
JUMPER ACTIVITY	4	1.000	4.00	\$43.81	\$2.92
COMPLETE ORDER IN WFA/DI	2	1.000	2.00	\$43.81	\$1.46
COMPLETE ORDER WITH CCTI	3	1.000	3.00	\$43.81	\$2.19
Subtotal - CENTRAL OFFICE FRAMES			14.00		\$10.22
-LRAC					
SCREEN ORDER	2	1.000	2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1.000	5.00	\$37.78	\$3.15
CLOSE OUT WORK REQUEST	3	1.000	3.00	\$37.78	\$1.89
Subtotal - LRAC			10.00	<u> </u>	\$6.30
			<u> </u>		
-INSTALLATION/FIELD TECHNICIAN					
.5 prob. is % of time installer involved during testing. NIU placed 50% per Di 798.					
TRAVEL TIME	21	1.000	21.00	\$42.68	\$14.94
CONTACT CCTI TO WORK ORDER	3	1.000	3.00	\$42.68	\$2.13
JUMPER ACTIVITY	4	1.000	4.00	\$42.68	\$2.85
PLACE LOOPBACK TEST PLUG	2	0.500	1.00	\$42.68	\$0.71

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Work them	Tims Minutes	Prob #1		rob Applied Time #4 (Minutes)	Lebor Mour	Cost
Ä	В	С	D E	F G B * (C Thru F)	Н	   H * (G/60)
DS1 ENTRANCE FACILITY (con't)						
TEST WITH IMPLEMENTOR	15	0.500		7.50	\$42.68	\$5.34
REMOVE LOOPBACK TEST PLUG	2	0.500		1.00	\$42.68	\$0.71
CONTACT LRAC TO CLOSE ORD	3	1.000		3.00	\$42.68	\$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN				40.50		\$28.81
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000		10.00	\$43.81	\$7.30
TEST CIRCUIT	35	1.000		35.00	\$43.81	\$25.56
NOTIFY CUSTOMER	.5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				70.00		\$51.11

## \*DISCONNECT\*

-SERVICE DELIVERY COORDINATOR

Cost associated with DS1 EF order processed by coordinator is assumed to be recovered on order provisioning the direct trunk transport order. The facility order for the DTT is in the First Trunk cost.

Subtotal - SERVICE DELIVERY COORDINATOR			0.00	<del> </del>	\$0.00
-DESIGN					
Prob 1 (.05, .95) are percent orders worked manual versus mechanized.					
LOG AND VERIFY FACILITY manual orders	8	0.050	0.40	\$44.31	\$0.30
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION manual orders	5	0.050	0.25	\$44.31	\$0.18
BUILD AND VERIFY CIRCUIT DESIGN manual orders	3	0.050	0.15	\$44.31	\$0.11
DISTRIBUTE DOCUMENTS	2	1,000	2.00	\$44.31	\$1.48
LOG AND VERIFY FACILITY mechanized orders	3	0.950	2.85	\$44.31	\$2.10
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION mechanized o	2	0.950	1.90	\$44,31	\$1.40
BUILD AND VERIFY CIRCUIT DESIGN mechanized orders	2	0.950	1.90	\$44.31	\$1.40
Subtotal - DESIGN			9.45		\$6.98
-CENTRAL OFFICE FRAMES					
ANALYZE ORDER	5	1.000	5.00	\$43.81	\$3.65
DISABLING CIRCUIT	2	1.000	2.00	\$43.81	\$1.46
JUMPER ACTIVITY	2.3	1.000	2.30	\$43.81	\$1.68
COMPLETE ORDER IN WFA-DI	2	1.000	2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES		<del></del>	11.30		\$8.25

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-SERVICE DELIVERY IMPLEMENTOR
SCREEN WFA FOR CIRCUIT
CONTACT CUSTOMER

COMPLETE CIRCUIT IN WFA/C

Subtotal - SERVICE DELIVERY IMPLEMENTOR

Total For Service:

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5.00

5.00

5.00

15.00

220.40

\$43.81

\$43.81

\$43.81

\$3.65

\$3.65

\$3.65

\$10.95 \$158.57

State. South Parcia							
Work Num	Time Minutes	Prob	Prob #2	Prob Pro	Life of a large of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	Labor Mour	Cost
<b>A</b>	В	C	υ	E F	G B * (C Thru F)	н	H * (G/60)
DS1 ENTRANCE FACILITY (con't)							
-LRAC							
Dispatch out to recover equipment. Installer time charged to X code.  SCREEN ORDER		1.000			0.00	007.70	** **
LOAD WORK REQUEST TO TECH	2	1.000 1.000			2.00 5.00	\$37.78 \$37.78	\$1.26 \$3.15
CLOSE OUT WORK REQUEST	3	1.000			3.00	\$37.78	\$3.15 \$1.89
Subtotal - LRAC					10.00		\$6.30

5

5 5 1.000

1.000

1.000

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Work ⊓ein A	Time Minutes B	Control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control services and control s	alt Proti 2 #3 ) E	Applied Time (Minutes) G	Labor Afour Cost H
				B * (C Thru F)	H * (G/60)

## DS1 ENTRANCE FACILITY (con't)

767 Direct Cost			\$158.57
768			***************************************
769	Cost	Cost	
<i>7</i> 70	Celculation	Factor	Cost
<i>77</i> 1	BC	D	E
772 Merketing & Business Fees		100-100	
773 Product Management Expense	D773*E767	0.019957	\$3.16
774 Sales Expense	D774*E767	0.011877	\$1.88
775 Product Advertising Expense	D775*E767	0.000000	\$0.00
776 Business Fees (Other Operating Taxes)	D776*Sum(E767:E775)	0.001483	\$0.24
777 Total Marketing & Business Fees	Sum(E767:E776)		\$5.29
778			
779 Sub-Total Direct Cost & Marketing	E767+E777		\$163.86
780			
781 Other Direct Expenses			
782 Network Operations	D782*E779	0.034832	\$5.71
783 Network Support Assets	D783*E779	0.014703	\$2,41
784 General Support Assets	D784*E779	0.088742	\$14.54
785 General Purpose Computers	D785°E779	0.043342	\$7.10
786 Uncollectible	D786*E779	0.003786	\$0.62
787 Accounting & Finance Expense	D787*E779	0.007346	\$1.20
788 Human Resources Expense	D788*E779	0.008294	\$1.36
789 Information Management Expense	D789*E779	0.070887	\$11.62
790 Intangibles	D790° E779	0.000000	\$0.00
791 Total Other Direct Expenses	Sum(E782:E790)		\$44.56
793 TELRIC	E782+E791		\$208.42
794			
795 Common			
796 Executive Expense	D796*E793	0.011267	\$2.35
797 Planning Expense	D797*E793	0.000525	\$0.11
798 External Relations Expense	D798*E793	0.037846	\$7.89
799 Legal Expense	D799*E793	0.004717	\$0.98
800 Other Procurement Expense	D800*E793	0.001860	\$0.39
801 Research & Development Expense	D801*E793	0.000006	\$0.00
802 Other General and Admin Expense	D802*E793	0.015064	\$3.14
803 Common Costs	Sum(E796:E802)		\$14.86
804			
805 TELRIC + Common Costs	E793+E803		\$223.28

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Subtotal - DESIGN

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\$29.65

40.15

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Work Harm	Time Minutes	Prob #1	Prob Prob Prob	Appiled Time (Minutes)	Labor Hour	Cost
A	В	С	D E F	G B*(CThruF)	Н	H * (G/60)
DS3 ENTRANCE FACILITY						
*ADD*						
-SERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.50 PROBABILITY OF TIME MANUALLY HANDLED						
.03 PROBABILITY OF ASRs REQUIRE MANUAL HANDLING ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXC	1	0.900		0.90	\$40.03	\$0.60
INPUT ASR(ACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TF	10	0.100		1.00	\$40.03	\$0.67
CHECK FOR THE ACCURACY OF THE ASR(ACCESS SERVICE REQUEST) FIELDS AND MA	10	1.000		10.00	\$40.03	\$6.67
CHECK RDLOC(VENUE FOR LOCATING ADDRESSES WITHIN A CENTRAL OFFICE BY CLLI	2	1.000		2.00	\$40.03	\$1.33
CHECK TO SEE IF LOA(LETTER OF AUTHORIZATION) IS NECESSARY. IF LOA(LETTER OF	1	0.650		0.65	\$40.03	\$0.43
IN TRDB(TRUNK RECORDING DATABASE) ASSIGN TSC(TWO SIX CODE - TRUNK GROUP - CHECK THE IABS(INTEGRATED ACCESS BILLING SYSTEM) TICR TABLE/CONTRACT TO E	3	0.500 1.000		2.00 3.00	\$40.03 \$40.03	\$1.33 \$2.00
HANDLING CALLS FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE AS	13	1.000		13.00	\$40.03	\$8.67
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUFTRANSL	1	1.000		1.00	\$40.03	\$0.67
VALIDATE USOC SUFFIXES FOR MILEAGE AND BILLING USOCS FOR CIRCUIT ELEMENTS	2	1.000		2.00	\$40.03	\$1.33
ADD ADDITIONAL MILEAGE USOC AND CALCULATE RATE USING THE INTRASTATE TARIF	5	0.030		0.15	\$40.03	\$0.10
DISTRIBUTES ORDER TO BILLING SYSTEM SO BILLING SDC'S CAN VALIDATE CHARGES,	1	1.000		1.00	\$40.03	\$0.67
CHECK THE SOAC DATABASE FOR 3 SUCCESS MESSAGES. THIS MEANS THE ORDER H. MANUALLY CONFIRM THE ASR(ACCESS SERVICE REQUEST), PRINT THE SCREEN AND F	1 3	1.000 0.100		1.00 0.30	\$40.03 \$40.03	\$0.67 \$0.20
CONFIRM ASR(ACCESS SERVICE REQUEST) IN EXACT(EXCHANGE ACCESS CARRIER TF	1	0.900		0.90	\$40.03	\$0.20 \$0.60
CHECK WEA(WORK FORCE ADMINISTRATION) ORDER FOR COMPLETION DATE AND AN)	3	1.000		3.00	\$40.03	\$2.00
ADD ANY ADDITONAL INFORMATION FROM WEATHAT PERTAINS TO THE SERVICE ORDI	5	1.000		5.00	\$40.03	\$3.34
TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS(INTERGRATED ACCES:	1	1.000		1.00	\$40.03	\$0.67
TYPE CORRECT INFORMATION INTO EXACT(EXCHANGE ACCESS CARRIER TRACKING)	1	1.000		1.00	\$40.03	\$0.67
MAKE ANY APPLICABLE NOTES IN EXACT(EXCHANGE ACCESS CARRIER TRACKING).	1	1.000		1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR				49.90		\$33.29
- <u>DESIGN</u>						
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.						
LOG AND VERIFY FACILITY manual orders	45 6	0.050 0.050		2.25	\$44.31	\$1.66
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION manual orders BUILD AND VERIFY CIRCUIT DESIGN manual orders	15	0.000		0.30 3.00	\$44.31 \$44.31	\$0.22 \$2.22
DISTRIBUTE DOCUMENTS	4	1.000		4.00	\$44.31	\$2.25
LOG AND VERIFY FACILITY mechanized orders	25	0.950		23.75	\$44.31	\$17.54
BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION mechanized o	3	0.950		2.85	\$44.31	\$2.10
BUILD AND VERIFY CIRCUIT DESIGN mechanized orders	5	0.800		4.00	\$44.31	\$2.95

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0.90

\$0.60

Time Prob Prob Applied Time Prob Lebor Prob Work Rem Minutes #1 #2 (Minutes) /Hour Cost B\*(C Thru F) H \* (G/60) DS3 ENTRANCE FACILITY (con't) -CENTRAL OFFICE FRAMES ANALYZE ORDER 5 1.000 5.00 \$43.81 \$3.65 JUMPER ACTIVITY 1.000 4.00 \$43.81 \$2.92 COMPLETE ORDER IN WFA/DI 1.000 2.00 \$43.81 \$1.46 COMPLETE ORDER WITH CCTI 1.000 3.00 \$43.81 \$2.19 Subtotal - CENTRAL OFFICE FRAMES 14.00 \$10.22 -LRAC SCREEN ORDER 2 1.000 2.00 \$37.78 \$1.26 LOAD WORK REQUEST TO TECH 5 1.000 5.00 \$37.78 \$3.15 CLOSE OUT WORK REQUEST 3 1.000 3.00 \$37.78 \$1.89 Subtotal - LRAC 10.00 \$6.30 -INSTALLATION/FIELD TECHNICIAN .5 prob. is % of time installer involved during testing. NIU placed 50% per Di 798. TRAVEL TIME 21 1.000 \$42.68 21.00 \$14.94 CONTACT CCTI TO WORK ORDER 1.000 \$42.68 3 3.00 \$2.13 JUMPER ACTIVITY 1.000 \$42.68 4.00 \$2.85 PLACE LOOPBACK TEST PLUG 0.500 1.00 \$42.68 \$0.71 TEST WITH IMPLEMENTOR 15 0.500 7.50 \$42.68 \$5.34 REMOVE LOOPBACK TEST PLUG 0.500 1.00 \$42.68 \$0.71 CONTACT LRAC TO CLOSE ORD 1.000 3.00 \$42.68 \$2.13 Subtotal - INSTALLATION/FIELD TECHNICIAN 40.50 \$28.81 -SERVICE DELIVERY IMPLEMENTOR SCREEN WFA FOR CIRCUIT 10 1.000 10.00 \$43.81 \$7.30 VERIFY LNO COMPLETION 10 1.000 10.00 \$43.81 \$7.30 **TEST CIRCUIT** 35 1.000 35.00 \$43.81 \$25.56 NOTIFY CUSTOMER 5 1.000 \$43.81 5.00 \$3.65 COMPLETE CIRCUIT IN WFA/C 10 1.000 10.00 \$43.81 \$7.30 Subtotal - SERVICE DELIVERY IMPLEMENTOR 70.00 \$51.11 \*DISCONNECT\* -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY FAXED ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXCI 0.900 \$40.03

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State: South Dakota Time Prob Prob Prob Prob Applied Time Labor (Minutes /Hour Cost B\*(CThruF) H \* (G/60) DS3 ENTRANCE FACILITY (con't) INPUT ASR(ACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TR 10 0.100 1.00 \$40.03 \$0.67 CHECK FOR THE ACCURACY OF THE AASR(ACCESS SERVICE REQUEST) FIELDS AND M. 10 1.000 10.00 \$40.03 \$6.67 HANDLING CALL FROM THE IXC AND FROM WITHIN THE COMPANY REGÁRDING THE ASI 1.000 3 3.00 \$40.03 \$2.00 READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSL 0.900 0.90 \$40.03 \$0.60 VALIDATE CFA(CONNECTING FACILITIES ARRANGEMENT) AND HBAN, CHECK TO MAKE 1.000 2.00 \$40.03 \$1.33 DISTRIBUTE ORDER TO BILLING SYSTEM SO BILLING SDC's CAN VALIDATE CHARGES, E. 1.000 1.00 \$40.03 \$0.67 CHECK THE SOAC DATABASE FOR 3 SUCCESS MESSAGES. THIS MEANS THE ORDER H. 1.000 1.00 \$40.03 \$0.67 PC LIST ASR(ACCESS SERVICE REQUEST) TO TIRKS TO MECHANICALLY BUILD THE TEM 1.000 1.00 \$40.03 \$0.67 MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTON 3 0.100 0.30 \$40.03 \$0.20 CONFIRM ASR IN EXACT, MAKE SURE THE CUSTOMERS DRC CODE IS PRESENT SO THE 0.900 0.90 \$40.03 \$0.60 CHECK WEA ORDER FOR COMPLETION DATE AND ANY PERTINENT NOTES OR MISSED I 3 1.000 3.00 \$40.03 \$2.00 ADD ANY ADDITIONAL INFORMATION FROM WFA THAT PERTAINS TO THE SERVICE ORD 5 1.000 5.00 \$40.03 \$3.34 TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS AND PROCESS. 1.000 \$40.03 1.00 \$0.67 TYPE CORRECT INFORMATION INTO EXACT AND COMPLETE THE ASR 1.000 1.00 \$40.03 \$0.67 MAKE ANY APPLICABLE NOTES IN EXACT 1.000 \$40.03 1.00 \$0.67 Subtotal - SERVICE DELIVERY COORDINATOR 33.00 \$22.02 -DESIGN Prob 1 (.05, .95) are percent orders worked manual versus mechanized. LOG AND VERIFY FACILITY manual orders 8 0.050 0.40 \$44.31 \$0.30 BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION manual orders 5 0.050 0.25 \$44.31 \$0.18 BUILD AND VERIFY CIRCUIT DESIGN manual orders 0.050 3 0.15 \$44.31 \$0.11 DISTRIBUTE DOCUMENTS 1.000 2 2.00 \$44.31 \$1.48 LOG AND VERIFY FACILITY mechanized orders 0.950 3 2.85 \$44.31 \$2.10 BUILD AND VALIDATE DESIGN RELATED INFO AND WORK AUTHORIZATION mechanized o 2 0.950 1.90 \$44.31 \$1.40 BUILD AND VERIFY CIRCUIT DESIGN mechanized orders 2 0.950 1.90 \$44.31 \$1.40 Subtotal - DESIGN 9.45 \$6.98 -CENTRAL OFFICE FRAMES ANALYZE ORDER 5 1.000 5.00 \$43.81 \$3.65 DISABLE CIRCUIT 2 1.000 2.00 \$43.81 \$1.46 JUMPER ACTIVITY 2.3 1.000 2.30 \$43.81 \$1.68 COMPLETE ORDER IN WFA-DI 1.000 2 2.00 \$43.81 \$1.46 Subtotal - CENTRAL OFFICE FRAMES 11.30 \$8.25 -LRAC Dispatch out to recover equipment. Installer time charged to X code. SCREEN ORDER 2 1.000 2.00 \$37.78 \$1.26 LOAD WORK REQUEST TO TECH 1.000 5 5.00 \$37.78 \$3.15 CLOSE OUT WORK REQUEST 1.000 \$37.78 3.00 \$1.89

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In the experience and the notation of the fiver	liem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A		В	C	D	Ē	F	G B * (C Thru F)	Н	T H * (G/60)
DS3 ENTRANCE FACILITY (con't)									
Subtotal - LRAC							10.00		\$6.30
-SERVICE DELIVERY IMPLEMENTOR									
SCREEN WFA FOR CIRCUIT		5	1.000				5.00	\$43.81	\$3.65
CONTACT CUSTOMER		5	1.000				5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	•	、 5	1.000				5.00	\$43.81	\$3.65
Subtotal - SERVICE DÉLIVERY IMPLEMENTOR							15.00		\$10.95
Total For Service:							303.30		\$213.88

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State: South Dakota

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Work Rem	Time Minutes B	0.000 N. S. C. British O. R. Obright H. B. C. B.	rati Prot K2 K3 D E	Applied Time (Minutes) G	Labor Mour Cost	
				B * (C Thru F)	H * (G/60)	

## DS3 ENTRANCE FACILITY (con't)

000 <b>FE</b>			\$213.88
992 Direct Cost 993			3210.00
994	Cost	Cost	
995	Calculation	Factor	Cost
996	B C	<del>- 5</del>	2
997 Marketing & Business Fees			-
998 Product Management Expense	D998*E992	0.019957	\$4.27
999 Sales Expense	D999°E992	0.011877	\$2.54
1000 Product Advertising Expense	D1000*E992	0.000000	\$0.00
1001 Business Fees (Other Operating Taxes)	D1001*Sum(E992:E1000)	0.001483	\$0.33
1002 Total Marketing & Business Fees	Sum(E992;E1001)		\$7.14
1003			
1004 Sub-Total Direct Cost & Marketing	E992+E1002		\$221.01
1005			
1006 Other Direct Expenses			
1007 Network Operations	D1007*E1004	0.034832	\$7.70
1008 Network Support Assets	D1008*E1004	0.014703	\$3.25
1009 General Support Assets	D1009*E1004	0.088742	\$19.61
1010 General Purpose Computers	D1010*E1004	0.043342	\$9.58
1011 Uncollectible	D1011*E1004	0.003786	\$0.84
1012 Accounting & Finance Expense	D1012*E1004	0.007346	\$1.62
1013 Human Resources Expense	D1013*E1004	0.008294	\$1.83
1014 Information Management Expense	D1014*E1004	0.070887	\$15.67
1015 Intangibles	D1015*E1004	0.000000	\$0.00
1016 Total Other Direct Expenses	Sum(E1007:E1015)		\$60.10
1017			
1018 TELRIC	E1007+E1016		\$281.11
1019			
1020 Common			
1021 Executive Expense	D1021*E1018	0.011267	\$3.17
1022 Planning Expens∈	D1022*E1018	0.000525	\$0.15
1023 External Relations Expens€	D1023*E1018	0.037846	\$10.64
1024 Legal Expense	D1024*E1018	0.004717	\$1.33
1025 Other Procurement Expense	D1025*E1018	0.001860	\$0.52
1026 Research & Development Expens∈	D1026*E1018	0.000006	\$0.00
1027 Other General and Admin Expense	D1027*E1018	0.015064	\$4.23
1028 Common Costs	Sum(E1021:E1027)		\$20.04
1029			
1030 TELRIC + Common Costs	E1018+E1028		\$301.15

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

Subtotal - DESIGN

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49.25

\$36.37

State: South Dakota							
Work tern	Time Minutes	Prob #1	Prob .	Proti Proti #3 #4	Applied Time (Minutes)	Labor Hour	Const
A A	В	Č	D D	#3 #4 E F	G	H	Coat
					B * (C Thru F)		H * (G/60)
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only)							
•							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRS ARE MECHANICAL .10 PROBABILITY OF ASRS ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.50 PROBABILITY OF TIME MANUALLY HANDLED .03 PROBABILITY OF ASRs REQUIRE MANUAL HANDLING							
RECEIVE ASR(ACCESS SERVICE REQUEST) MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT(EXCHANGE ACCESS CARRIER TRACKING)	10 2	1.000 1.000			10.00 2.00	\$40.03 \$40.03	\$6.67 \$1.33
VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK INVENTORY F VERIFY LOA(LETTER OF AUTHORIZATION)	1	0.650			0.65	\$40.03	\$1.33 \$0.43
ASSIGN NEW TSC(TWO SIX CODE(TRUNK GROUP - 2 ALPHA, SIX NUMERIC)	4	0.500			2.00	\$40.03	\$1.33
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	\$2.00
INTRA COMPANY CALLS EXACT/TUF/IABS	13 1	1.000 1.000			13.00 1.00	\$40.03 \$40.03	\$8.67 \$0.67
VALIDATE IABS SERVICE ORDER	ż	1.000			2.00	\$40.03	\$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERICA FACILITY OR OTHER MAN	5	0.030			0.15	\$40.03	\$0.10
DISTRIBUTE ORDER IN IABS VALIDATE 3 SUCCESSES IN SOAC(SERVICE ORDER ANALYSIS AND CONTROL) TIRKS IN	1	1.000 1.000			1.00 1.00	\$40.03 \$40.03	\$0.67 \$0.67
FOC(FIRM ORDER CONFIRMATION) MANUAL	3	0.100			0.30	\$40.03	\$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA(WORK FORCE ADMINISTRATION) CHECK IABS(INTEGRATED ACCESS BILLING SYSTEM) SERVICE ORDER	3	1.000 1.000			3.00 5.00	\$40.03 \$40.03	\$2.00 \$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$3.34 \$0.67
COMPLETE EXACT	1	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	1	1.000			1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR					49.90		\$33.29
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5 6	0.200 0.200			1.00 1.20	\$44.31 \$44.31	\$0.74 \$0.89
GOC ORDER LOG ENTER WA MASK	5	0.800			4.00	\$44.31	\$2.95
PREP LOOP INPUT	15	0.750			11.25	\$44.31	\$8.31
CIRCUIT DESIGN	30	1.000			30.00	\$44.31	\$22.16
DISTRIBUTE WORD	2	0.900			1.80	\$44.31	\$1.33

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prob	Prot Applied Time	Labor	
Work Dent	Minutes B	#f	<u>#2</u> #3 □ F	#4 (Minutes) F G	Hour	Cost
A	В	C	D E	B*(CThruF)	Н	H * (G/60)
				<b>5</b> (5 ma., )		1. (3.00)
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only) (con't)						
ACHERAL APPLACEDANCE						
-CENTRAL OFFICE FRAMES ANALYZE ORDER	5	1,000		5.00	\$43.81	\$3.65
CONTACT CCT-I TO WORK ORDER	3	1.000		3.00	\$43.81	\$2.19
DSX1 CROSS-CONNECT	4	1,000		4.00	\$43.81	\$2.92
PLACE LOOPBACK TEST PLUG	2	1.000		2.00	\$43.81	\$1.46
HIGH SIDE CONFORMANCE TEST	5	1.000		5.00	\$43.81	\$3.65
POST COMPLETE IN WFA-DI	2	1.000		2.00	\$43.81	\$1.46
COMPLETE WITH CCT-I	3	1.000		3.00	\$43.81	\$2.19
Subtotal - CENTRAL OFFICE FRAMES	<u> </u>			24.00		\$17.52
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10 1	1.000 1.000		10.00 1.00	\$43.81 \$43.81	\$7.30
NOTIFY CUSTOMER COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$0.73 \$7.30
COMPLETE CIRCUIT IN WEARC	10	1.000		10.00	\$45.01	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				31.00		\$22.64
*DISCONNECT*						
CEDVICE DELIVEDY COORDINATOR						
-SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRS ARE MANUALLY FAXED						
ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXC	1	0.900		0.90	\$40.03	\$0.60
INPUT ASRIACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TR	10	0.100		1.00	\$40.03	\$0.67
CHECK FOR THE ACCURACY OF THE AASR(ACCESS SERVICE REQUEST) FIELDS AND M.	10	1.000		10.00	\$40.03	\$6.67
HANDLING CALL FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE ASI	3	1.000	•	3.00	\$40.03	\$2.00
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSI	1	0.900		0.90	\$40.03	\$0.60
VALIDATE CFA(CONNECTING FACILITIES ARRANGEMENT) AND HBAN. CHECK TO MAKE	2	1.000		2.00	\$40.03	\$1.33
DISTRIBUTE ORDER TO BILLING SYSTEM SO BILLING SDC's CAN VALIDATE CHARGES, E	1	1.000		1.00	\$40.03	\$0.67
CHECK THE SOAC DATABASE FOR 3 SUCCESS MESSAGES. THIS MEANS THE ORDER H.	1	1.000		1.00	\$40.03	\$0.67
PC LIST ASR(ACCESS SERVICE REQUEST) TO TIRKS TO MECHANICALLY BUILD THE TEN	1	1.000		1.00	\$40.03	\$0.67
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTON	3	0.100		0.30	\$40.03	\$0.20
CONFIRM ASR IN EXACT, MAKE SURE THE CUSTOMERS DRC CODE IS PRESENT SO THE	1	0.900		0.90	\$40.03	\$0.60
CHECK WFA ORDER FOR COMPLETION DATE AND ANY PERTINENT NOTES OR MISSED F	3	1.000		3.00	\$40.03	\$2.00
ADD ANY ADDITIONAL INFORMATION FROM WFA THAT PERTAINS TO THE SERVICE ORD TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS AND PROCESS.	5	1.000 1.000		5.00 1.00	\$40.03 \$40.03	\$3.34 \$0.67
TYPE CORRECT INFORMATION INTO EXACT AND COMPLETE THE ASR	1	1.000		1.00	\$40.03	\$0.67 \$0.67
MAKE ANY APPLICABLE NOTES IN EXACT	1	1.000		1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR				33.00		\$22.02

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob Prob Prob \$2 \$5 \$4	Applied Time (Winutes)	Labor Mour	Cost
A	В	С	D E F	G B * (C Thru F)	Ħ	I H * (G/60)
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only) (con't)						
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.	_					
ORDER HANDLING/SCREEN	5	0.100 0.100		0.50	\$44.31	\$0.37
GOC ORDER LOG ENTER WA MASK	6	0.100		0.60 0.50	\$44.31 \$44.31	\$0.44 \$0.37
DISCONNECT CIRCUIT	5	0.100		0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100		0.20	\$44.31	\$0.15
Subtotal - DESIGN				2.30		\$1.70
-CENTRAL OFFICE FRAMES						
ANALYZE ORDER	5	1.000		5.00	\$43.81	\$3.65
RMV CROSS CONNECT	2.3	1.000		2.30	\$43.81	\$1.68
COMPLETE ORDER IN WFA-DI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.65
CONTACT CUSTOMER	1	1.000		1.00	\$43.81	\$0.73
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				11.00		\$8.03
Total For Service:		<u> </u>		209.75		\$148.36

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Bern	Time Minutes	Prob Prol		Prob Applied Time #4 (Minutes)	Labor Mour Cost
	В	C D	E	F G	H I
				B * (C Thru F)	H * (G/60)

## LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only) (con't)

1172 Direct Cost			\$148,36
1173			<u> </u>
1174	Cost	Cost	
1175	Calculation	Factor	Cost
1176	B C	0	E
1177 Marketing & Business Fees			
1178 Product Management Expense	D1178*E1172	0.019957	\$2.96
1179 Sales Expense	D1179*E1172	0.011877	\$1.76
1180 Product Advertising Expense	D1180°E1172	0.000000	\$0.00
1181 Business Fees (Other Operating Taxes)	D1181*Sum(E1172:E1180)	0.001483	\$0.23
1182 Total Marketing & Business Fees	Sum(E1172:E1181)		\$4.95
1183	<u> </u>		
1184 Sub-Total Direct Cost & Marketing	E1172+E1182		\$153.31
1185			
1186 Other Direct Expenses			
1187 Network Operations	D1187*E1184	0.034832	\$5.34
1188 Network Support Assets	D1188*E1184	0.014703	\$2.25
1189 General Support Assets	D1189*E1184	0.088742	\$13.60
1190 General Purpose Computers	D1190*E1184	0.043342	\$6.64
1191 Uncollectible	D1191*E1184	0.003786	\$0.58
1192 Accounting & Finance Expense	D1192*E1184	0.007346	\$1.13
1193 Human Resources Expense	D1193*E1184	0.008294	\$1.27
1194 Information Management Expens∈	D1194*E1184	0.070887	\$10.87
1195 Intangibles	D1195*E1184	0.000000	\$0.00
1196 Total Other Direct Expenses	Sum(E1187:E1195)		\$41.69
1197			
1198 TELRIC	E1187+E1196		\$195.00
1199			
1200 Common	D1201*E1198	0.011267	00.00
1201 Executive Expense	=		\$2.20
1202 Planning Expense	D1202*E1198 D1203*E1198	0.000525	\$0.10
1203 External Relations Expense	D1203*E1198	0.037846	\$7.38 \$0.92
1204 Legal Expense 1205 Other Procurement Expense	D1205*E1198	0.004717 0.001860	
1205 Other Procurement Expense 1206 Research & Development Expense	D1205°E1196	0.001860	\$0.36 \$0.00
1207 Other General and Admin Expense	D1200*E1198	0.015064	\$2.94
1208 Common Costs	Sum(E1201:E1207)	0.015004	\$13.90
1209			φ13.80
1210 TELRIC + Common Costs	E1198+E1208		\$208.90
14 IV I BELLIV T COMMING COOK	21130721200		Ψε.50.50

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Subtotal - DESIGN

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49.25

\$36.37

State: South Dakota							
Work them	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	Ċ	Ď	<del>É</del> F	Ğ	H	I
					B*(C Thru F)		H * (G/60)
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only)							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRS ARE MECHANICAL .10 PROBABILITY OF ASRS ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.50 PROBABILITY OF TIME MANUALLY HANDLED							
.03 PROBABILITY OF ASRs REQUIRE MANUAL HANDLING		0.000				A 40 00	
RECEIVE ASR(ACCESS SERVICE REQUEST) MECHANICALLY RECEIVE ASR VIA FAX	1 10	0.900 0.100			0.90 1.00	\$40.03 \$40.03	\$0.60 \$0.67
VALIDATE ASR IN EXACT(EXCHANGE ACCESS CARRIER TRACKING)	10	1.000			10.00	\$40.03	\$6.67
VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK IN	VENTORY f 2	1.000			2.00	\$40.03	\$1.33
VERIFY LOA(LETTER OF AUTHORIZATION)	1	0.650			0.65	\$40.03	\$0.43
ASSIGN NEW TSC(TWO SIX CODE(TRUNK GROUP - 2 ALPHA, SIX NUMERIC)	4	0.500			2.00	\$40.03	\$1.33
VALIDATE CONTRACT RATES INTRA COMPANY CALLS	3 13	1.000 1.000			3.00 13.00	\$40.03 \$40.03	\$2.00 \$8.67
EXACT/TUF/IABS	13	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	\$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERICA FACILITY OR	OTHER MAN 5	0.030			0.15	\$40.03	\$0.10
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE 3 SUCCESSES IN SOAC(SERVICE ORDER ANALYSIS AND CONTROL	L) TIRKS IN 1	1.000			1.00	\$40.03	\$0.67
FOC(FIRM ORDER CONFIRMATION) MANUAL FOC ELECTRONICALLY	3	0.100 0.900			0.30 0.90	\$40.03 \$40.03	\$0.20 \$0.60
CHECK WFA(WORK FORCE ADMINISTRATION)	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS(INTEGRATED ACCESS BILLING SYSTEM) SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	i	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	1	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	1	1.000			1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR					49.90		\$33.29
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0.74
GOC ORDER LOG	6 5	0.200 0.800			1.20	\$44.31	\$0.89
ENTER WA MASK PREP LOOP INPUT	15	0.800			4.00 11.25	\$44.31 \$44.31	\$2.95 \$8.31
CIRCUIT DESIGN	30	1.000			30.00	\$44.31	\$22.16
DISTRIBUTE WORD	2	0.900			1.80	\$44.31	\$1.33
							•

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State: South Dakota

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State. South Dakota					
	Time	Prob	Prob Prob Prob Applied Time	Lebor	
Work Item A	Minutes B	#f	#2 #3 #4 (Minutes) D E F G	Hour Cost	
A		•	B * (C Thru F)	H * (G/60	0)
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only) (con't)					
-CENTRAL OFFICE FRAMES					
ANALYZE ORDER	5	1.000	5.00	\$43.81 \$	\$3.65
CONTACT CCT-I TO WORK ORDER	3	1.000	3.00	\$43.81	\$2.19
DSX1 CROSS-CONNECT	4	1.000	4.00		\$2.92
PLACE LOOPBACK TEST PLUG	2	1.000	2.00		\$1.46
HIGH SIDE CONFORMANCE TEST	5	1.000	5.00		\$3.65
POST COMPLETE IN WFA-DI	2	1.000	2.00		\$1.46
COMPLETE WITH CCT-I	3	1.000	3.00	\$43.81 \$	\$2.19
Subtotal - CENTRAL OFFICE FRAMES			24.00	\$1	17.52
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	10	1.000	10.00	\$43.81 \$	\$7.30
VERIFY LNO COMPLETION	10	1.000	10.00		\$7.30
NOTIFY CUSTOMER	1	1.000	1.00	\$43.81	\$0.73
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.00	\$43.81 \$	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				\$2	22.64
*DISCONNECT*					
-SERVICE DELIVERY COORDINATOR					
.90 PROBABILITY OF ASRS ARE MECHANICAL					
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED					
ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXC	1	0.900	0.90		60.60
INPUT ASR(ACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TR	10	0.100	1.00		\$0.67
CHECK FOR THE ACCURACY OF THE AASR(ACCESS SERVICE REQUEST) FIELDS AND M.	10	1.000	10.00		6.67
HANDLING CALL FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE ASI	3	1.000	3.00		\$2.00
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSI	1	0.900	0.90		0.60
VALIDATE CFA(CONNECTING FACILITIES ARRANGEMENT) AND HBAN. CHECK TO MAKE	2	1.000	2.00		1.33
DISTRIBUTE ORDER TO BILLING SYSTEM SO BILLING SDC'S CAN VALIDATE CHARGES, E CHECK THE SOAC DATABASE FOR 3 SUCCESS MESSAGES. THIS MEANS THE ORDER H.		1.000 1.000	1.00 1.00		60.67 60.67
PC LIST ASR(ACCESS SERVICE REQUEST) TO TIRKS TO MECHANICALLY BUILD THE TEN	4	1.000	1.00		60.67
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTON	3	0.100	0.30		60.20
CONFIRM ASR IN EXACT, MAKE SURE THE CUSTOMERS DRC CODE IS PRESENT SO THE	1	0.900	0.90		60.60
CHECK WEA ORDER FOR COMPLETION DATE AND ANY PERTINENT NOTES OR MISSED I	3	1,000	3.00		52.00
ADD ANY ADDITIONAL INFORMATION FROM WEATHAT PERTAINS TO THE SERVICE ORD	5	1.000	5.00		3.34
TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS AND PROCESS.	1	1.000	1.00		0.67
TYPE CORRECT INFORMATION INTO EXACT AND COMPLETE THE ASR	1 .	1.000	1.00	\$40.03 \$	0.67
MAKE ANY APPLICABLE NOTES IN EXACT	1	1.000	1.00	\$40.03 \$	0.67
Subtotal - SERVICE DELIVERY COORDINATOR		<del></del>	33.00		22.02

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob	Prots Applied Time #4 (Minutes)	Labor Mour	Cost
A	В	С	D	E	F G B * (C Thru F)	H	H * (G/60)
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only) (con't)							
-DEŞIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.	_						
ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	\$0.37
GOC ORDER LOG ENTER WA MASK	ь Б	0.100 0.100			0.60 0.50	\$44.31 \$44.31	\$0.44 \$0.37
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.37 \$0.37
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$0.15
Subtotal - DESIGN					2.30		\$1.70
-CENTRAL OFFICE FRAMES							
ANALYZE ORDER	5	1.000			5.00	\$43.81	\$3.65
RMV CROSS CONNECT	2.3	1.000			2.30	\$43.81	\$1.68
COMPLETE ORDER IN WFA-DI	. 2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES					9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.65
CONTACT CUSTOMER	1	1.000			1.00	\$43.81	\$0.73
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR					11.00		\$8.03
Total For Service:					209.75		\$148.36

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem. A	Time Minutes B	Prob Prob #1 #2 C D	0 - 194, 194, 194, 194, 194, 194, 194, 194,	rob Applied Time #4 (Minutes) F G	Lebor Mour Cost H
				B * (C Thru F)	H * (G/60)

#### LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only) (con't)

1352 Direct Cost			\$148.38
1353			O CONTRACTOR OF STREET
1354	Cost	Cost	
1355	Calculation	Factor	Cost
1356	B C		Ε
1357 Marketing & Business Fees			
1358 Product Management Expens∈	D1358*E1352	0.019957	\$2.96
1359 Sales Expense	D1359*E1352	0.011877	\$1.76
1360 Product Advertising Expense	D1360*E1352	0.000000	\$0.00
1361 Business Fees (Other Operating Taxes)	D1361*Sum(E1352:E1360)	0.001483	\$0.23
1362 Total Marketing & Business Fees	Sum(E1352:E1361)		\$4.95
1363			
1364 Sub-Total Direct Cost & Marketing	E1352+E1362		\$153.31
1365		<u> </u>	
1366 Other Direct Expenses			
1367 Network Operations	D1367*E1364	0.034832	\$5.34
1368 Network Support Assets	D1368*E1364	0.014703	\$2.25
1369 General Support Assets	D1369*E1364	0.088742	\$13.60
1370 General Purpose Computers	D1370*E1364	0.043342	\$6.64
1371 Uncollectible	D1371*E1364	0.003786	\$0.58
1372 Accounting & Finance Expense	D1372*E1364	0.007346	\$1.13
1373 Human Resources Expense	D1373*E1364	0.008294	\$1.27
1374 Information Management Expens∈	D1374*E1364	0.070887	\$10.87
1375 Intangibles	D1375*E1364	0.000000	\$0.00
1376 Total Other Direct Expenses	Sum(E1367:E1375)		\$41.69
1377		·-	
1378 TELRIC	E1367+E1376		\$195.00
1379			
1380 Common			
1381 Executive Expense	D1381*E1378	0.011267	\$2.20
1382 Planning Expense	D1382*E1378	0.000525	\$0.10
1383 External Relations Expense	D1383*E1378	0.037846	\$7.38
1384 Legal Expense	D1384*E1378	0.004717	\$0.92
1385 Other Procurement Expense	D1385°E1378	0.001860	\$0.36
1386 Research & Development Expense	D1386*E1378	0.000006	\$0.00
1387 Other General and Admin Expense	D1387*E1378	0.015064	\$2.94
1388 Common Costs	Sum(E1381:E1387)		\$13.90
1389			
1390 TELRIC + Common Costs	E1378+E1388		\$208.90

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work/Bans A	Time Minutes B	Prob #1 C	Prob Prot #2 #3 D E	Prob gg F	Applied Time (Affinites) G B * (C Thru F)	Labor /Hour H	Cost     H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST							
*ADD*							
-SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF TIME MANUALLY FAXED .65 PROBABILITY OF TIME MANUALLY HANDLED .50 PROBABILITY OF TIME MANUALLY HANDLED .03 PROBABILITY OF TIME MANUALLY HANDLED .03 PROBABILITY OF ASRs REQUIRE MANUAL HANDLING RECEIVE ASR (ACCESS SERVICE REQUEST) MECHANICALLY RECEIVE ASR VIA FAX VALIDATE ASR IN EXACT (EXCHANGE ACCESS CARRIER TRACKING) VALIDATE ASR IN EXACT (EXCHANGE ACCESS CARRIER TRACKING) VALIDATE ACTL (ACCESS CARRIER TERMINAL LOCATION) IN TIRKS (TRUNK INVENTORY F VERIFY LOA(LETTER OF AUTHORIZATION) ASSIGN NEW TSC (TWO SIX CODE (TRUNK GROUP - 2 ALPHA, SIX NUMERIC) VALIDATE CONTRACT RATES VERIFY TQ (TRANSLATIONS QUESTIONNAIRE) INTRA COMPANY CALLS EXACT/TUF/IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE ORDER IN IABS PC LIST ASR FOC (FIRM ORDER CONFIRMATION) MANUAL FOC ELECTRONICALLY CHECK WFA(WORK FORCE ADMINISTRATION) CHECK IABS (INTEGRATED ACCESS BILLING SYSTEM) SERVICE ORDER COMPLETE IABS SERVICE ORDER	1 10 10 2 1 4 3 5 13 1 2 1 1 3 5 1 1 1 3 5 1 1 1 1 1 1 1 1 1 1 1	0.900 0.100 1.000 0.650 0.500 1.000 1.000 1.000 1.000 1.000 0.100 0.100 0.900 1.000 1.000 1.000			0.90 1.00 2.00 2.00 3.00 5.00 1.00 2.00 1.00 0.30 0.90 3.00 5.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$6.67 \$1.33 \$0.43 \$1.33 \$2.00 \$3.34 \$8.67 \$0.67 \$1.33 \$0.67 \$0.20 \$0.60 \$2.00 \$3.34 \$0.67 \$0.60
Subtotal - SERVICE DELIVERY COORDINATOR					54.75		\$36.53
DS1 DTT facility assumed to be provisioned on order for DS1Entrance Facility.  Assumes DS1 from POP to End Office. All facility design time in EF.  .05, .95 is percent orders processed manual versus mechanized.  .75 is percent orders processed manual.  .042 represents 1/24 of a trunk group. Assumes 24 trunks per order.  ORDER HANDLING/SCREENING  BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION manual orde  BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION mechanized  BUILD/VERIFY CIRCUIT DESIGN manual order  BUILD/VERIFY CIRCUIT DESIGN mechanized order	10 10 4 15 3	1.000 0.050 0.950 0.050 0.950	0.042 0.042 0.042 0.042 0.042		0.42 0.02 0.16 0.03 0.12	\$44.31 \$44.31 \$44.31 \$44.31	\$0.31 \$0.02 \$0.12 \$0.02 \$0.09

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work flam	Time Minutes	Prob #1	Prob #2	Prob Prob #3 #4	Applied Time (Minutes) G	Lebor /Hour H	Cost
A	ь	C	U	<u> </u>	B * (C Thru F)	П	H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST (con't)							
DISTRIBUTE DOCUMENTS	2	1.000	0.042		80.0	\$44.31	\$0.06
PERFORM TAS (Trunk Assignment System) Functions PCLIST TRUNKS	15 2	0.750 1.000	0.042 0.042		0.47 0.08	\$44.31 \$44.31	\$0.35 \$0.06
Subtotal - DESIGN					1.39		\$1.03
TRANSLATIONS							
.5 probability is % orders establishing a new trunk group. 2 probability is number of route indexes per trunk group.							
ASSIGN TRUNK GRP NUMBER	10	0.500			5.00	\$41.45	\$3.45
ANALYZE ASR/TQ	10	0.500			5.00	\$41.45	\$3.45
BUILD NEW TRUNK GROUP	20 10	0.500 0.500	2.000		10.00 10.00	\$41.45 \$41.45	\$6.91 \$6.91
ASSIGN ROUTE INDEX	10	0.500	2.000			φ41.45	\$6.91
ubtotal - TRANSLATIONS					30.00		\$20.73
CENTRAL OFFICE FRAMES							
Central Office activity is for the transport facility order							
Work in serving wire center assumed in entrance facility. Work performed in end office, int ofc. (50%).							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.							
DS1 FACILITY ORD (1 OFC)	14	0.042			0.58	\$43.81	\$0.43
DS1 FACILITY ORD (INT OFC)	14	0.042	0.500		0.29	\$43.81	\$0.21
ubtotal - CENTRAL OFFICE FRAMES					0.88		\$0.64
SERVICE DELIVERY IMPLEMENTOR							
DS1 DTT facility assumed to be provisioned on order for DS1Entrance Facility.							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION Set DS1 Translations Options in Switch, Add Trunk Group members	10 30	1.000 1.000			10.00	\$43.81 \$43.81	\$7.30 \$21.91
TEST CIRCUIT	25	1.000			30.00 25.00	\$43.81	\$18.25
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR					90.00		\$65.72
DISCONNECT*							
SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRS ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXC)	1	0.900			0.90	\$40.03	\$0.60
VOLIMOGEGO OFICEIOE LIERGEOLÍ IO LIEGELAED MIEGLIMINATORES. LIBRIDOGIA ENVOLÍTIVO	· ·	0.000			0.30	ψ-σ.σσ	ψ0.00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E	F	G B * (C Thru F)	H	T H * (G/60
CHED TRANSPORT DS1 TRUNK FIRST (con't)								
INPUT ASR(ACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TR	10	0.100				1.00	\$40.03	\$
CHECK FOR THE ACCURACY OF THE ASR(ACCESS SERVICE REQUEST) FIELDS AND MA	10	1.000				10.00	\$40.03	\$
VERIFY TQ(TRANSLATIONS QUESTIONNAIRE)	5	1.000				5.00	\$40.03	
HANDLING CALL FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE ASI	3	1.000				3.00	\$40.03	•
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSI	1	0.900				0.90	\$40.03	9
TUF/IABS	1	1.000				1.00	\$40.03	(
VALIDATE IABS SERVICE ORDER	2	1.000				2.00	\$40.03	;
DISTRIBUTE ORDER IN IABS	1	1.000				1.00	\$40.03	;
PC LIST ASR(ACCESS SERVICE REQUEST) TO TIRKS TO MECHANICALLY BUILD THE TEN	1	1.000				1.00	\$40.03	1
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTON	3	0.100				0.30	\$40.03	
CONFIRM ASR IN EXACT, MAKE SURE THE CUSTOMERS DRC CODE IS PRESENT SO THE	1	0.900				0.90	\$40.03	1
CHECK WFA ORDER FOR COMPLETION DATE AND ANY PERTINENT NOTES OR MISSED!	3	1.000				3.00	\$40.03	;
ADD ANY ADDITIONAL INFORMATION FROM WFA THAT PERTAINS TO THE SERVICE ORD	5	1.000				5.00	\$40.03	
TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS AND PROCESS.		1.000				1.00	\$40.03	
TYPE CORRECT INFORMATION INTO EXACT AND COMPLETE THE ASR	1	1.000				1.00	\$40.03	
MAKE ANY APPLICABLE NOTES IN EXACT	1	1.000				1.00	\$40.03	;
stal - SERVICE DELIVERY COORDINATOR						38.00		\$
IGN								
.05, .95 is percent orders processed manual versus mechanized.								
.75 is percent orders processed manual.								
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.								
ORDER HANDLING/SCREENING	10	1.000	0.042			0.42	\$44.31	;
PCLIST TRUNKS	2	1.000	0.042			0.08	\$44.31	
BUILD/VALIDATE WA manual order	5	0.050	0.042			0.01	\$44.31	;
	2	0.950	0.042			0.08	\$44.31	
BUILD/VALIDATE WA mechanized order	~		0.040			0.00	\$44.31	
BUILD/VALIDATE WA mechanized order BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042			0.02	<del>Ф44</del> .ЭТ	
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order	10 2	0.050 0.950	0.042			0.02	\$44.31	
BUILD/VERIFY CIRCUIT DESIGN manual order	10							
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS	10 2	0.950	0.042			0.08	\$44.31	:
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  otal - DESIGN	10 2	0.950	0.042			0.08 0.08	\$44.31	:
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  INTAI - DESIGN  TRAL OFFICE FRAMES	10 2	0.950	0.042			0.08 0.08	\$44.31	:
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  Intel - DESIGN  TRAL OFFICE FRAMES  Central Office activity is for the transport facility order	10 2	0.950	0.042			0.08 0.08	\$44.31	:
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  tal - DESIGN  TRAL OFFICE FRAMES  Central Office activity is for the transport facility order Work performed in end office, int. ofc. (50%).	10 2	0.950	0.042			0.08 0.08	\$44.31	
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  otal - DESIGN  ITRAL OFFICE FRAMES  Central Office activity is for the transport facility order Work performed in end office, int. ofc. (50%)042 weighting is 1/24 of a DS1 to obtain a per trunk cost.	10 2 2	0.950 1.000	0.042			0.08 0.08 <b>0.78</b>	\$44.31 \$44.31	
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  Ital - DESIGN  TRAL OFFICE FRAMES Central Office activity is for the transport facility order Work performed in end office, int. ofc. (50%)042 weightling is 1/24 of a DS1 to obtain a per trunk cost. DS1 FACILITY ORD (1 OFC)	9.3	0.950 1.000	0.042 0.042			0.08 0.08 <b>0.78</b> 0.39	\$44.31 \$44.31 \$43.81	
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  tel - DESIGN  TRAL OFFICE FRAMES  Central Office activity is for the transport facility order Work performed in end office, int. ofc. (50%).  .042 weighting is 1/24 of a DS1 to obtain a per trunk cost.	10 2 2	0.950 1.000	0.042			0.08 0.08 <b>0.78</b>	\$44.31 \$44.31	
BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order DISTRIBUTE DOCUMENTS  Ini - DESIGN  IRAL OFFICE FRAMES  Central Office activity is for the transport facility order Work performed in end office, int. ofc. (50%).  .042 weighting is 1/24 of a DS1 to obtain a per trunk cost, DS1 FACILITY ORD (1 OFC)	9.3	0.950 1.000	0.042 0.042			0.08 0.08 <b>0.78</b> 0.39	\$44.31 \$44.31 \$43.81	

-SERVICE DELIVERY IMPLEMENTOR

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work item	Time Minutes	Prob #1	Prob.	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	С	D	E	F	G B * (C Thru F)	Ĥ	H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST (con't)								
Remove TCICS and Trunk Group memebers in switch	20	1.000				20.00	\$43.81	\$14.60
SCREEN WFA FOR CIRCUIT	5	1.000				5.00	\$43.81	\$3.65
CONTACT CUSTOMER COMPLETE CIRCUIT IN WFA/C	5 5	1.000 1.000				5.00 5.00	\$43.81 \$43.81	\$3.65 \$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						35.00		\$25.56
Total For Service:						251.38		\$176.54

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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wine entire the second second with the work flow	Time Minus		rab Prab Prol R2 83 M		
A	В	С	D = E = F	G H	- I
				B * (C Thru F)	H * (G/60)

# SWITCHED TRANSPORT DS1 TRUNK FIRST (con't)

1578			
1579	Cost	Cost	
1580	Calculation	Factor	Cost
1581	B C	D	E
1582 Marketing & Business Fees			
1583 Product Management Expense	D1583*E1577	0.019957	\$3
1584 Sales Expense	D1584*E1577	0.011877	\$2
1585 Product Advertising Expense	D1585*E1577	0.000000	\$0
1586 Business Fees (Other Operating Taxes)	D1586*Sum(E1577:E1585)	0.001483	\$0
1587 Total Marketing & Business Fees	Sum(E1577:E1586)		\$5
1588			
1589 Sub-Total Direct Cost & Marketing	E1577+E1587		\$182
1590	<u></u>		
1591 Other Direct Expenses			
1592 Network Operations	D1592*E1589	0.034832	\$6
1593 Network Support Assets	D1593*E1589	0.014703	\$2
1594 General Support Assets	D1594*E1589	0.088742	\$16
1595 General Purpose Computers	D1595*E1589	0.043342	\$7
1596 Uncoflectible	D1596*E1589	0.003786	\$0
1597 Accounting & Finance Expense	D1597*E1589	0.007346	\$1
1598 Human Resources Expense	D1598*E1589	0.008294	\$1
1599 Information Management Expense	D1599*E1589	0.070887	\$12
1600 Intangibles	D1600*E1589	0.000000	\$0
1601 Total Other Direct Expenses	Sum(E1592:E1600)		\$49
1602			
1603 TELRIC	E1592+E1601		\$232
1604			
605 Common			
1606 Executive Expense	D1606*E1603	0.011267	\$2
1607 Planning Expense	D1607*E1603	0.000525	\$0
1608 External Relations Expense	D1608*E1603	0.037846	\$8
609 Legal Expense	D1609*E1603	0.004717	\$1
610 Other Procurement Expense	D1610*E1603	0.001860	\$0
611 Research & Development Expense	D1611*E1603	0.000006	\$0
1612 Other General and Admin Expense	D1612*E1603	0.015064	\$3
613 Common Costs	Sum(E1606:E1612)		\$16

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\$1.61

2.20

State: South Dakota						
Work Rem	Time Minutes	Prob #1	Prob Prob	Prob Applied Time 44 (Minutes)	Labor Mour	Cost
A	В	С	D E	F G B * (C Thru F)	H	l H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK EA ADDL						
*ADD*						
-DESIGN  DS1 DTT facility assumed to be provisioned on order for DS1Entrance Facility.  Assumes DS1 from POP to End Office. All facility design time in EF.  .05, .95 is percent orders processed manual versus mechanized.  .75 is percent orders processed manual.  .042 represents 1/24 of a trunk group. Assumes 24 trunks per order.  ORDER HANDLING/SCREENING  BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION manual orde  BUILD/VERIFY CIRCUIT DESIGN manual order  BUILD/VERIFY CIRCUIT DESIGN mechanized order  DISTRIBUTE DOCUMENTS  PERFORM TAS (Trunk Assignment System) Functions  PCLIST TRUNKS	10 10 4 15 3 2 15 2	1.000 0.050 0.950 0.050 0.950 1.000 0.750 1.000	0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042	0.4 0.6 0.1 0.6 0.1 0.0 0.4	92 \$44.31 6 \$44.31 93 \$44.31 12 \$44.31 98 \$44.31 97 \$44.31	\$0.31 \$0.02 \$0.12 \$0.09 \$0.09 \$0.06 \$0.35 \$0.06
Subtotal - DESIGN				1.3	<u> </u>	\$1.03
-CENTRAL OFFICE FRAMES  Central Office activity is for the transport facility order  Work performed in end office, int ofc. (50%).  .5 probability is % time an intermediate office requires CO work.  .042 weighting is 1/24 of a DS1 to obtain a per trunk cost.  DS1 FACILITY ORD (1 OFC)  DS1 FACILITY ORD (INT OFC)	14 14	0.042 0.042	0.500	0.5 0.2		\$0.43 \$0.21
Subtotal - CENTRAL OFFICE FRAMES				0.8	3	\$0.64
-SERVICE DELIVERY IMPLEMENTOR SCREEN WFA FOR CIRCUIT VERIFY LNO COMPLETION TEST CIRCUIT COMPLETE CIRCUIT IN WFA/C	0.4 0.4 1 0.4	1.000 1.000 1.000 1.000		0.4 0.4 1.0 0.4	0 \$43.81 0 \$43.81	\$0.29 \$0.29 \$0.73 \$0.29

# \*DISCONNECT\*

Subtotal - SERVICE DELIVERY IMPLEMENTOR

-DESIGN .05, .95 is percent orders processed manual versus mechanized. .75 is percent orders processed manual.

Study Name: NONRECURRING ELEMENTS

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Work liem	77ma Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Hour	Cost
A	В	C	D	E, F	G B * (C Thru F)	Н	I H * (G/60)
VITCHED TRANSPORT DS1 TRUNK EA ADDL (con't)							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
ORDER HANDLING/SCREENING	10	1.000	0.042		0.42	\$44.31	\$0
PCLIST TRUNKS	2	1.000	0.042		0.08	\$44.31	\$0
BUILD/VALIDATE WA manual order	5	0.050	0.042		0.01	\$44.31	\$0
BUILD/VALIDATE WA mechanized order	2	0.950	0.042		0.08	\$44.31	\$0
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042		0.02	\$44.31	\$0
BUILD/VERIFY CIRCUIT DESIGN mechanized order	2	0.950	0.042		80.0	\$44.31	\$0
DISTRIBUTE DOCUMENTS	2	1.000	0.042		0.08	\$44.31	\$0
ototal - DESIGN					0.78		\$0
ENTRAL OFFICE FRAMES							
Central Office activity is for the transport facility order							
Work performed in end office, int ofc. (50%).							
.5 probability is % time an intermediate office requires CO work.							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.							
DS1 FACILITY ORD (1 OFC)	9.3	0.042			0.39	\$43.81	\$0
DS1 FACILITY ORD (INT OFC)	9.3	0.042	0.500		0.20	\$43.81	\$0
btotal - CENTRAL OFFICE FRAMES					0.58		\$0
AOMI - OLITTIAL OTTIOL FILMICO							

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work Rein	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A A	В	С	D ·	E	F	G	н -	·
						B * (C Thru F)		H * (G/60)

## SWITCHED TRANSPORT DS1 TRUNK EA ADDL (con't)

713 714	Cos	Cost	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR
	Calculation		A
715		Factor	Cost
716	E C	Ð	€ 0
717 Marketing & Business Fees	P. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (A. (P. (P. (A. (P. (P. (P. (P. (P. (P. (P. (P. (P. (P		
718 Product Management Expense	D1718*E1712	0.019957	\$0.0
719 Sales Expense	D1719*E1712	0.011877	\$0.0
720 Product Advertising Expense	D1720*E1712	0.000000	\$0.0
721 Business Fees (Other Operating Taxes)	D1721*Sum(E1712:E1720)	0.001483	\$0.0
722 Total Marketing & Business Fees	Sum(E1712:E1721)	<u> </u>	\$0.1
723			
724 Sub-Total Direct Cost & Marketing	E1712+E1722		\$4.4
725			
726 Other Direct Expenses			
727 Network Operations	D1727*E1724	0.034832	\$0.
728 Network Support Assets	D1728°E1724	0.014703	\$0.6
729 General Support Assets	D1729*E1724	0.088742	\$0.
730 General Purpose Computers	D1730*E1724	0.043342	\$0.
731 Uncollectible	D1731*E1724	0.003786	\$0.0
732 Accounting & Finance Expense	D1732*E1724	0.007346	\$0.0
733 Human Resources Expense	D1733*E1724	0.008294	\$0.0
734 Information Management Expense	D1734*E1724	0.070887	\$0.3
735 Intangibles	D1735*E1724	0.000000	\$0.0
736 Total Other Direct Expenses	Sum(E1727:E1735)		\$1.2
737			
738 TELRIC	E1727+E1736		\$5,6
739			_
740 Common			
741 Executive Expense	D1741*E1738	0.011267	\$0.0
742 Planning Expense	D1742*E1738	0.000525	\$0.0
743 External Relations Expense	D1743*E1738	0.037846	\$0.2
744 Legal Expense	D1744*E1738	0.004717	\$0.0
745 Other Procurement Expense	D1745*E1738	0.001860	\$0.0
746 Research & Development Expense	D1746*E1738	0.000006	\$0.0
747 Other General and Admin Expens€	D1747*E1738	0.015064	\$0.0
748 Common Costs	Sum(E1741:E1747)		\$0,4

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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State. Count Parota							
	Time	Prob	Prob Prob	Prob	Applied Time	Labor	-
Work Rem	Minutes B	C #1	Marka Marka D E	## F	(Minutes) G	/Hour ⊟	Cost
	-	Ū	5	•	B * (C Thru F)	••	H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK FIRST							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRS ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.50 PROBABILITY OF TIME MANUALLY HANDLED							
.03 PROBABILITY OF ASRs REQUIRE MANUAL HANDLING	4	0.000			0.00	C40.00	00.00
RECEIVE ASR(ACCESS SERVICE REQUEST) MECHANICALLY	1 10	0.900 0.100			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX VALIDATE ASR IN EXACT(EXCHANGE ACCESS CARRIER TRACKING)	10	1.000			1.00 10.00	\$40.03 \$40.03	\$0.67 \$6.67
VALIDATE ASK IN EXACT(EXCHANGE ACCESS CARRIER TRACKING)  VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK INVENTORY F	2	1,000			2.00	\$40.03	\$1.33
VERIFY LOA(LETTER OF AUTHORIZATION)	1	0.650			2.00 0.65	\$40.03	\$0.43
ASSIGN NEW TSC(TWO SIX CODE(TRUNK GROUP - 2 ALPHA, SIX NUMERIC)	4	0.500			2.00	\$40.03	\$1.33
VALIDATE CONTRACT RATES	3	1,000			3.00	\$40.03	\$2.00
VERIFY TQ(TRANSLATIONS QUESTIONNAIRE)	5	1.000			5.00	\$40.03	\$3.34
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	\$8.67
EXACT/TUF/IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	\$1.33
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$0.67
PC LIST ASR	1	1.000			1.00	\$40.03	\$0.67
FOC(FIRM ORDER CONFIRMATION) MANUAL	3	0.100			0.30	\$40.03	\$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA(WORK FORCE ADMINISTRATION)	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS (INTEGRATED ACCESS BILLING SYSTEM) SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT NOTE EXACT	1	1.000 1.000			1.00 1.00	\$40.03 \$40.03	\$0.67 \$0.67
NOTE EXACT		1.000			1.00	Φ40.03	\$0.07
Subtotal - SERVICE DELIVERY COORDINATOR					54.75		\$36.53
-DESIGN							
.042 weighting represents 1/24 of a DS1 DTT/TST facility order processed at							
same time trunk order is processed.							
PROCESS DS1 DTT FACILITY ORDER	40	0.042			1.68	\$44.31	\$1.24
.05, .95 is percent orders processed manual versus mechanized.							
.75 is percent orders processed manual.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
ORDER HANDLING/SCREENING	10	1.000	0.042		0.42	\$44.31	\$0.31
BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION manual orde	10	0.050	0.042		0.02	\$44.31	\$0.02
BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION mechanized	4	0.950	0.042		0.16	\$44.31	\$0.12
BUILD/VERIFY CIRCUIT DESIGN manual order	15	0.050	0.042		0.03	\$44.31	\$0.02

Study Name: NONRECURRING ELEMENTS

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Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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- Calif. State Calif.					_		
Work Heart	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	Ċ	D	E F	G B * (C Thru F)	H	I H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK FIRST (con't)							
BUILD/VERIFY CIRCUIT DESIGN mechanized order	3	0.950	0.042		0.12	\$44.31	\$0.09
DISTRIBUTE DOCUMENTS	2	1.000	0.042		0.08	\$44.31	\$0.06
PERFORM TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.47	\$44.31	\$0.35
PCLIST TRUNKS	2	1.000	0.042		80.0	\$44.31	\$0.06
Subtotal - DESIGN					3.07		\$2.27
-TRANSLATIONS							
.5 probability is % orders establishing a new trunk group.							
2 probability is number of route indexes per trunk group.							
ASSIGN TRUNK GRP NUMBER	10	0.500			5.00	\$41.45	\$3.45
ANALYZE ASR/TQ	10	0.500			5.00	\$41.45	\$3.45
BUILD NEW TRUNK GROUP	20	0.500			10.00	\$41.45	\$6.91
ASSIGN ROUTE INDEX	10	0.500	2.000		10.00	\$41.45	\$6.91
Subtotal - TRANSLATIONS					30.00		\$20.73
ATUTALI AFFIAT FRANÇA	<del></del>						
-CENTRAL OFFICE FRAMES							
Central Office activity is for the transport facility order Work performed in serving wire center and end office.							
.5 probability is % time an intermediate office requires CO work.							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.							
DS1 FACILITY ORD (2 OFC)	28	0.042			1.16	\$43.81	\$0.85
DS1 FACILITY ORD (INT OFC)	14	0.042	0.500		0.29	\$43.81	\$0.21
Subtotal - CENTRAL OFFICE FRAMES			<u>.</u>	<del>-</del>	1.46		\$1.07
		· <u> </u>		-			4,
-SERVICE DELIVERY IMPLEMENTOR							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.	70	0.040					
DS1 FACILITY ORDER	70	0.042			2.94	\$43.81	\$2.15
SCREEN WFA FOR CIRCUIT VERIFY LNO COMPLETION	10 10	1.000 1.000			10.00	\$43.81	\$7.30
Set DS1 Translations Options in Switch, Add Trunk Group members	30	1.000			10.00	\$43.81 \$43.81	\$7.30
TEST CIRCUIT	25	1.000			30.00 25.00	\$43.81 \$43.81	\$21.91 \$18.25
NOTIFY CUSTOMER	25 5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Control CERNICE DEL NICOVINDO ENCATOR							•
Subtotal - SERVICE DELIVERY IMPLEMENTOR					92.94		\$67.86

## \*DISCONNECT\*

-SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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	Time Minutes	Prob #1	#2 1	ob Prob 3 M	Applied Time (Minutes)	Labor Mour	Cos
<b>A</b>	В	С	D	: F	G B * (C Thru F)	н	H*(G.
CHED TRANSPORT DS3 TRUNK FIRST (con't)							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXCI	1	0.900			0.90	\$40.03	
INPUT ASR(ACCESS SERVICE REQUEST) INTO EXACT(EXCHANGE ACCESS CARRIER TR	10	0.100			1.00	\$40.03	
CHECK FOR THE ACCURACY OF THE ASR(ACCESS SERVICE REQUEST) FIELDS AND MA	10	1.000			10.00	\$40.03	
VERIFY TQ(TRANSLATIONS QUESTIONNAIRE)	5	1.000			5.00	\$40.03	
HANDLING CALL FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE ASI	3	1.000			3.00	\$40.03	
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSL	1	0.900			0.90	\$40.03	
TUF/IABS	1	1.000			1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	
PC LIST ASR(ACCESS SERVICE REQUEST) TO TIRKS TO MECHANICALLY BUILD THE TEN	1	1.000			1.00	\$40.03	
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTON	3	0.100			0.30	\$40.03	
CONFIRM ASR IN EXACT, MAKE SURE THE CUSTOMERS DRC CODE IS PRESENT SO THE	1	0.900			0.90	\$40.03	
CHECK WFA ORDER FOR COMPLETION DATE AND ANY PERTINENT NOTES OR MISSED I	3	1.000			3.00	\$40.03	
ADD ANY ADDITIONAL INFORMATION FROM WFA THAT PERTAINS TO THE SERVICE ORD	5	1.000			5.00	\$40.03	
TYPE THE CORRECT CODES TO COMPLETE THE ORDER IN IABS AND PROCESS.	1	1.000			1.00	\$40.03	
TYPE CORRECT INFORMATION INTO EXACT AND COMPLETE THE ASR	1	1.000			1.00	\$40.03	
MAKE ANY APPLICABLE NOTES IN EXACT	1	1.000			1.00	\$40.03	
tal - SERVICE DELIVERY COORDINATOR					38.00		
<u>IGN</u>							
.042 weighting represents 1/24 of a DS1 DTT facility order processed at same							
time trunk order is processed.		0.042			0.40	\$44.31	
PROCESS DEL CACILITY DISCONNECT	0.45				0.40	544.31	
PROCESS DS1 DTT FACILITY DISCONNECT	9.45						
.05, .95 is percent orders processed manual versus mechanized.	9.45						
.05, .95 is percent orders processed manual versus mechanized. .75 is percent orders processed manual.	9.45	-1012					
.05, .95 is percent orders processed manual versus mechanized. .75 is percent orders processed manual. .042 represents 1/24 of a trunk group. Assumes 24 trunks per order.	****		0.040		0.40	<b>644.01</b>	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING	10	1.000	0.042		0.42	\$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS	10 2	1.000 1.000	0.042		0.08	\$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS BUILD/VALIDATE WA manual order	10 2 5	1.000 1.000 0.050	0.042 0.042		0.08 0.01	\$44.31 \$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS BUILD/VALIDATE WA manual order BUILD/VALIDATE WA mechanized order	10 2 5 2	1.000 1.000 0.050 0.950	0.042 0.042 0.042		0.08 0.01 0.08	\$44.31 \$44.31 \$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS BUILD/VALIDATE WA manual order BUILD/VALIDATE WA mechanized order BUILD/VERIFY CIRCUIT DESIGN manual order	10 2 5 2	1.000 1.000 0.050 0.950 0.050	0.042 0.042 0.042 0.042		0.08 0.01 0.08 0.02	\$44.31 \$44.31 \$44.31 \$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS BUILD/VALIDATE WA manual order BUILD/VALIDATE WA mechanized order BUILD/VERIFY CIRCUIT DESIGN manual order BUILD/VERIFY CIRCUIT DESIGN mechanized order	10 2 5 2 10 2	1.000 1.000 0.050 0.950 0.050 0.950	0.042 0.042 0.042 0.042 0.042		0.08 0.01 0.08 0.02 0.08	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31	
.05, .95 is percent orders processed manual versus mechanized75 is percent orders processed manual042 represents 1/24 of a trunk group. Assumes 24 trunks per order. ORDER HANDLING/SCREENING PCLIST TRUNKS BUILD/VALIDATE WA manual order BUILD/VALIDATE WA mechanized order BUILD/VERIFY CIRCUIT DESIGN manual order	10 2 5 2	1.000 1.000 0.050 0.950 0.050	0.042 0.042 0.042 0.042		0.08 0.01 0.08 0.02	\$44.31 \$44.31 \$44.31 \$44.31	

-CENTRAL OFFICE FRAMES

Central Office activity is for the transport facility order

Work performed in serving wire center and end office.

.5 probability is % time an intermediate office requires CO work.

.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.

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State: South Dakota

Work Item	Time Minutes	Prob #1	0	roti Prob Applied Time IS M (Minutes)	Labor /Hour	Cost
A	В	С	D	E F G B*(CThru F)	Н	H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK FIRST (con't)						
DS1 FACILITY ORD (2 OFC) DS1 FACILITY ORD (INT OFC)	20.6 9.3	0.042 0.042	0.500	0.87 0.20	\$43.81 \$43.81	\$0.63 \$0.14
Subtotal - CENTRAL OFFICE FRAMES				1.06		\$0.77
-SERVICE DELIVERY IMPLEMENTOR .042 weighting is 1/24 of a DS1 to obtain a per trunk cost.						
DS1 FACILITY ORDER	15	0.042		0.63	\$43.81	\$0.46
Remove TCICS and Trunk Group memebers in switch	20	1.000		20.00	\$43.81	\$14.60
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.65
CONTACT CUSTOMER COMPLETE CIRCUIT IN WFA/C	5 5	1.000 1.000		5.00 5.00	\$43.81 \$43.81	\$3.65 \$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR			·	35.63		\$26.02
Total For Service:				258.09		\$181.46

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Work liem	Tima Minutes	Prob Prob		Prob Applied Time #4 (Minutes)	Lation Atour Cost
^			_	г 🔉	
				B * (C Thru F)	H * (G/60)

#### SWITCHED TRANSPORT DS3 TRUNK FIRST (con't)

		\$181
1938	NAMES AND ASSESSMENT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR	
1939	Cost Cost	
1940	Calculation Factor	Cost
1941	<u> </u>	E
1942 Marketing & Business Fees		
1943 Product Management Expense	<b>D1943*E1937</b> 0.019957	\$3
1944 Sales Expense	D1944*E1937 0.011877	\$2
1945 Product Advertising Expense	D1945*E1937 0.000000	\$0
1946 Business Fees (Other Operating Taxes)	D1946*Sum(E1937:E1945) 0.001483	<u>\$C</u>
1947 Total Marketing & Business Fees	Sum(E1937:E1946)	\$6
1948		
1949 Sub-Total Direct Cost & Marketing	E1937+E1947	\$187
1950		
1951 Other Direct Expenses		
1952 Network Operations	D1952*E1949 0.034832	\$6
1953 Network Support Assets	D1953*E1949 0.014703	\$2
1954 General Support Assets	D1954*E1949 0.088742	\$16
1955 General Purpose Computers	D1955*E1949 0.043342	\$8
1956 Uncollectible	D1956*E1949 0.003786	\$0
1957 Accounting & Finance Expense	D1957*E1949 0.007346	\$1
1958 Human Resources Expense	D1958°E1949 0.008294	\$1
1959 Information Management Expense	D1959°E1949 0.070887	\$13
1960 Intangibles	D1960*E1949 0.000000	\$0
961 Total Other Direct Expenses	Sum(E1952:E1960)	\$50
962		
963 TELRIC	E1952+E1961	\$238
964		
965 Common		
966 Executive Expense	<b>D1966*E1963</b> 0.011267	\$2
1967 Planning Expense	D1967*E1963 0.000525	\$0
968 External Relations Expens∈	D1968*E1963 0.037846	\$9
969 Legal Expense	<b>D1969*E1963</b> 0.004717	\$1
970 Other Procurement Expense	D1970*E1963 0.001860	\$0
971 Research & Development Expense	D1971*E1963 0.000006	\$0
972 Other General and Admin Expense	<b>D1972*E1963</b> 0.015064	\$3
973 Common Costs	Sum(E1966:E1972)	\$17
974		
975 TELRIC + Common Costs	E1963+E1973	\$255

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ANNOT AARIT EMILATE							
	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
Work Hein A	Minutes B	C Pri	#2 D	# # # # # # # # # # # # # # # # # # #	(Minutes) G	<i>Hou</i>	Cost
^		Ü		- ,	B * (C Thru F)		H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK EA ADDL							
*ADD*							
-DESIGN							
.042 weighting represents 1/24 of a DS1 DTT/TST facility order processed at							
same time trunk order is processed.							
PROCESS DS1 DTT FACILITY ORDER	40	0.042			1.68	\$44.31	\$1.24
.05, .95 is percent orders processed manual versus mechanized.						•	•
.75 is percent orders processed manual.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
ORDER HANDLING/SCREENING	10	1.000	0.042		0.42	\$44.31	\$0.31
BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION manual orde	10	0.050	0.042		0.02	\$44.31	\$0.02
BUILD/VALIDATE DESIGN RELATED INFORMATION & WORK AUTHORIZATION mechanized	4	0.950	0.042		0.16	\$44.31	\$0.12
BUILD/VERIFY CIRCUIT DESIGN manual order	15	0.050	0.042		0.03	\$44.31	\$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	3	0.950	0.042		0.12	\$44.31	\$0.09
DISTRIBUTE DOCUMENTS	2	1.000	0.042		0.08	\$44.31	\$0.06
PERFORM TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.47	\$44.31	\$0.35
PCLIST TRUNKS	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN					3.07		\$2.27
-CENTRAL OFFICE FRAMES							
Central Office activity is for the transport facility order							
Work performed in serving wire center and end office.							
.5 probability is % time an intermediate office requires CO work.							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.							
DS1 FACILITY ORD (2 OFC)	28	0.042			1.18	\$43.81	\$0.86
DS1 FACILITY ORD (INTERMEDIATE OFC)	14	0.042	0.500		0.29	\$43.81	\$0.21
Subtotal - CENTRAL OFFICE FRAMES			·		1.47		\$1.07
APPLICATION DELIVERY MADE STATEMENT							
-SERVICE DELIVERY IMPLEMENTOR							
Implementor works two separate orders, facility order and trunks order.							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost. DS1 FACILITY ORDER	70	0.042			0.04	040.04	<b>60.45</b>
SCREEN WFA FOR CIRCUIT	0.4	1.000			2.94	\$43.81 \$43.81	\$2.15
VERIFY LNO COMPLETION	0.4	1.000			0.40 0.40	\$43.81 \$43.81	\$0.29 \$0.29
TEST CIRCUIT	0.4	1.000			1.00	\$43.81 \$43.81	\$0.29 \$0.73
COMPLETE CIRCUIT IN WFA/C	0.4	1.000			0.40	\$43.81	\$0.73 \$0.29
O. M. A. L. OCOMOS DEL DEDVINO MAN ENERGOS							
Subtotal - SERVICE DELIVERY IMPLEMENTOR					5.14		\$3.75

\*DISCONNECT\*

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work them	Time Minutes B	Prob #1 C		rob Prob Applied Time #3 #4 (Minutes) E F G	Labor Mour H	Cost
•	_	-	_	B * (C Thru F)		H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK EA ADDL (con't)						
-DESIGN						
.042 weighting represents 1/24 of a DS1 DTT facility order processed at same						
time trunk order is processed.						
PROCESS DS1 DTT FACILITY DISCONNECT	9.45	0.042		0.40	\$44.31	\$0.29
.05, .95 is percent orders processed manual versus mechanized.						
.75 is percent orders processed manual.						
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.						<b>.</b>
ORDER HANDLING/SCREENING	10	1.000	0.042	0.42	\$44.31	\$0.31
PCLIST TRUNKS	2	1.000	0.042	0.08	\$44.31	\$0.06
BUILD/VALIDATE WA manual order BUILD/VALIDATE WA mechanized order	5 2	0.050 0.950	0.042 0.042	0.01 0.08	\$44.31 \$44.31	\$0.01 \$0.06
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042	0.08		\$0.06 \$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	2	0.950	0.042	0.02	\$44.31	\$0.02 \$0.06
DISTRIBUTE DOCUMENTS	2	1.000	0.042	80.0	\$44.31	\$0.06
Subtotal - DESIGN	<del></del>			1.18		\$0,87
-CENTRAL OFFICE FRAMES						
Central Office activity is for the transport facility order						
Work performed in serving wire center and end office.						
.5 probability is % time an intermediate office requires CO work.						
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.						
DS1 FACILITY ORD (2 OFC)	20.6	0.042		0.87	\$43.81	\$0.63
DS1 FACILITY ORD (INT OFC)	9.3	0.042	0.500	0.20	\$43.81	\$0.14
Subtotal - CENTRAL OFFICE FRAMES		· <del>-</del>		1.06		\$0,77
		<u> </u>				
-SERVICE DELIVERY IMPLEMENTOR						
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.						
DS1 FACILITY ORDER	15	0.042		0.63	\$43.81	\$0.46
Subtotal - SERVICE DELIVERY IMPLEMENTOR				0.63		\$0.46
						00
Total For Service:				12.55		\$9.20

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Work them.	Time Minutes B	Prob Prob #2 #3 D E		abor Hour Cost H
			B * (C Thru F)	H * (G/60)

#### SWITCHED TRANSPORT DS3 TRUNK EA ADDL (con't)

0070/76			
2072 Direct Cost 2073			\$9.20
2074	Cos	Cost	
2074		actor	Cost
2076		D	
<del></del>			E
2077 Marketing & Business Fees	D2078*E2072	0.04.0057	00.45
2078 Product Management Expens∈		0.019957	\$0.18
2079 Sales Expense	D2079*E2072	0.011877	\$0.11
2080 Product Advertising Expense	D2080*E2072	0.000000	\$0.00
2081 Business Fees (Other Operating Taxes)	D2081*Sum(E2072:E2080)	0.001483	\$0.01
2082 Total Marketing & Business Fees	Sum(E2072:E2081)		\$0.31
2083			
2084 Sub-Total Direct Cost & Marketing	E2072+E2082		\$9.51
2085			
2086 Other Direct Expenses			
2087 Network Operations	D2087*E2084	0.034832	\$0.33
2088 Network Support Assets	D2088*E2084	0.014703	\$0.14
2089 General Support Assets	D2089*E2084	0.088742	\$0.84
2090 General Purpose Computers	D2090*E2084	0.043342	\$0.41
2091 Uncollectible	D2091*E2084	0.003786	\$0.04
2092 Accounting & Finance Expense	D2092*E2084	0.007346	\$0.07
2093 Human Resources Expense	D2093*E2084	0.008294	\$0.08
2094 Information Management Expense	D2094*E2084	0.070887	\$0.67
2095 Intangibles	D2095*E2084	0.000000	\$0.00
2096 Total Other Direct Expenses	Sum(E2087:E2095)		\$2.58
2097			
2098 TELRIC 2099	E2087+E2096		\$12.09
2100 Common			
2101 Executive Expense	D2101*E2098	0.011267	\$0.14
2102 Planning Expense	D2107 E2098	0.000525	\$0.01
2103 External Relations Expense	D2102 E2098	0.000525	\$0.46
2104 Legal Expense	D2103 E2098	0.037846	\$0.46
2105 Other Procurement Expense	D2105*E2098	0.004717	\$0.00
2105 Other Producement Expense	D2106*E2098	0.000006	\$0.02
2107 Other General and Admin Expense	D2107*E2098	0.000006	
2107 Other General and Admin Expense	52 107 E2098 Sum(E2101:E2107)	U.U 15U64	\$0.18
2109 Common Costs	3uin(E2101;E2101)		\$0.86
2110 TELRIC + Common Costs	E2098+E2108	<del></del>	\$12.95
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			<u></u>

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Work Rein	Time Minutes	Prob #1	Prab #2	Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	С	ט	€ <sup></sup>	G B * (C Thru F)	Н	H * (G/60)
CLEC TO CLEC COLLOCATION CROSS-CONNECTION							
*ADD*							
- <u>SERVICE DELIVERY COORDINATOR</u> .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED .35 PROBABILITY OF TIME MANUALLY HANDLED							
RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX	1 10	0.900 0.100			0.90 1.00	\$40.03 \$40.03	\$0.60 \$0.67
VALIDATE ASR IN EXACT CHECK CREDIT INFO/SECURITY	10 2	1.000 1.000			10.00 2.00	\$40.03 \$40.03	\$6.67 \$1.33
TIRKS	3	1.000			3.00	\$40.03	\$2.00
TIRKS	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ADDRESS IN TAG VALIDATE CONTRACT RATES	3 3	1.000 1.000			3.00 3.00	\$40.03 \$40.03	\$2.00 \$2.00
VERIFY LOA	5	0.650			3.25	\$40.03	\$2.00
COORDINATE AS ICO	8	0.350			2.80	\$40.03	\$1.87
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	\$8.67
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUALLY FOC	6	0.100			0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	6	1.000			6.00	\$40.03	\$4.00
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000			1.00	\$40.03	\$0.67
CHECK SOAC CHECK WFA	3 3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	3	1.000 1.000			3.00 5.00	\$40.03 \$40.03	\$2.00 \$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	i	1.000			1.00	\$40.03	\$0.67 \$0.67
NOTE EXACT	2	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR	· · · · · · · · · · · · · · · · · · ·				71.45		\$47.67
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.	_				_		
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0.74
GOC ORDER LOG	6 5	0.200			1.20	\$44.31	\$0.89
ENTER WA MASK PREP LOOP INPUT/DRI	5 15	0.800 0.750			4.00 11,25	\$44.31 \$44.31	\$2.95 \$8.31
CIRCUIT DESIGN	30	1.000			11.25 30.00	\$44.31 \$44.31	\$8.31 \$22,16
DISTRIBUTE WORD DOC	2	0.900			1.80	\$44.31	\$1.33
Subtotal - DESIGN					49.25		\$36.37

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						Section 1980	
Work flori	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time ## (Minutes)	Labor /Hour	Cost
Ä	В	С	D	E	F G	H	11 + (0 (00)
					B * (C Thru F)		H * (G/60)
LEC TO CLEC COLLOCATION CROSS-CONNECTION (con't)							
ENTRAL OFFICE FRAMES							
ANALYZE ORDER	5	1.000			5.00	\$43.81	\$3
COMPLETE CROSS-CONNECT	4	1.000			4.00	\$43.81	\$
POST COMPLETE IN WFA-DI	2	1.000			2.00	\$43.81	\$
COMMPLETE WITH CCT-I	3	1.000			3.00	\$43.81	1
ototal - CENTRAL OFFICE FRAMES					14.00		\$
RVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	
VERIFY LNO COMPLETION	5	1.000			5.00	\$43.81	
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	
total - SERVICE DELIVERY IMPLEMENTOR					25.00		\$
SCONNECT*							
RIVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	
VERIFY TAXI	5	1.000			5.00	\$40.03	
VALIDATE ASR IN EXACT	5	1.000			5.00	\$40.03	
VALIDATE IN TIRKS	3	0.030			0.09	\$40.03	
INTRA-COMPANY CALLS	5	1.000			5.00	\$40.03	
MECHANICAL FOC	1	0.900			0.90	\$40.03	
MANUAL FOC	6	0.100			0.60	\$40.03	
DISTRIBUTE THE ORDER TO IABS	1	1,000			1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	5	1.000			5.00	\$40.03	
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000			1.00	\$40.03	
CHECK SOAC	3	1.000			3.00	\$40.03	
CHECK WFA	3	1.000			3.00	\$40.03	
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	;
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	;
COMPLETE EXACT	1	1.000			1.00	\$40.03	
NOTE EXACT	2	1.000			2.00	\$40.03	\$
otal - SERVICE DELIVERY COORDINATOR					40.49		\$:

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Work hen	Time Minutes	Prob #1	Prob Prob Pro #2 #3 #4		Labor Hour	Cost
<b>A</b>	В	С	D E F	G B * (C Thru F)	- Н	H * (G/60)
CLEC TO CLEC COLLOCATION CROSS-CONNECTION (con't)						
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.	_					
ORDER HANDLING/SCREEN	5	0.100		0.50	\$44.31	\$0.37
GOC ORDER LOG	. 6	0.100		0.60	\$44.31	\$0.44
ENTER WA MASK DISCONNECT CIRCUIT	5	0.100 0.100		0.50 0.50	\$44.31 \$44.31	\$0.37 \$0.37
DISTRIBUTE WORD DOC	2	0.050		0.50	\$44.31	\$0.37 \$0.07
DISTRIBUTE WORD DOC	2	0.050		0.10	\$ <del>44</del> .51	\$0.07
Subtotal - DESIGN			···	2.20		\$1.62
-CENTRAL OFFICE FRAMES						
ANALYZE ORDER	5	1.000		5.00	\$43.81	\$3.65
REMOVE CROSS-CONNECT	2.3	1.000		2.30	\$43.81	\$1.68
COMPLETE WORK IN WFA-DI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.95
Total For Service:				226.69		\$158.90

# ONTINUATION

# [*SO*]

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Work tem A	Filme Minutes B	eti Preti 2 kg D E		Labor Mous Cost H
			B * (C Thru F)	H * (G/60)

# CLEC TO CLEC COLLOCATION CROSS-CONNECTION (con't)

2252 Direct Cost			\$158.
2253	Cost	COLUMN - WAY VIOLENCE	married constants
2254		Cost	
2255	Calculation	Factor	Cost
2256	8 C	0	E
2257 Marketing & Business Fees			
2258 Product Management Expense	D2258*E2252	0.019957	\$3.
2259 Sales Expense	D2259*E2252	0.011877	\$1.
2260 Product Advertising Expense	D2260°E2252	0.000000	\$0.
2261 Business Fees (Other Operating Taxes)	D2261*Sum(E2252:E2260)	0.001483	<u>\$0.</u>
2262 Total Merketing & Business Fees	Sum(E2252:E2261)		\$5.
2263			
2264 Sub-Total Direct Cost & Marketing	E2252+E2262		\$164
2265			
2266 Other Direct Expenses			
2267 Network Operations	D2267*E2264	0.034832	<b>\$</b> 5.
2268 Network Support Assets	D2268*E2264	0.014703	\$2.
2269 General Support Assets	D2269°E2264	0.088742	\$14
2270 General Purpose Computers	D2270*E2264	0.043342	\$7
2271 Uncollectible	D2271 *E2264	0.003786	\$0.
2272 Accounting & Finance Expense	D2272*E2264	0.007346	\$1.
2273 Human Resources Expense	D2273°E2264	0.008294	\$1.
2274 Information Management Expense	D2274*E2264	0.070887	\$11.
2275 Intangibles	D2275*E2264	0.000000	\$0.
2276 Total Other Direct Expenses	Sum(E2267:E2275)	·	\$44.
2277			
2278 TELRIC	E2267+E2276		\$208.
2279			
2280 Common			
2281 Executive Expense	D2281*E2278	0.011267	\$2.
2282 Planning Expense	D2282*E2278	0.000525	\$0.
2283 External Relations Expense	D2283*E2278	0.037846	\$7.
2284 Legal Expense	D2284*E2278	0.004717	\$0.
2285 Other Procurement Expense	D2285*E2278	0.001860	\$0.
2286 Research & Development Expense	D2286*E2278	0.000006	\$0.
2287 Other General and Admin Expense	D2287*E2278	0.015064	\$3.
2288 Common Costs	Sum(E2281:E2287)		\$14.
2289			

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Work them	71me Minutes	Prob Pro	Applied Time (Minutes)	Lebor Мош	Cost
A	В	-c - р	 G B * (C Thru F)	Н	H * (G/60)
CABLE UNLOADING/BRIDGE TAP REMOVAL					
*ADD*					
-OUTSIDE PLANT ENGINEERING (OSP)					
ENGR. JOB	180	1.000	180.00	\$51.76	\$155.28
Subtotal - OUTSIDE PLANT ENGINEERING (OSP)			 180.00	·	\$155.28
-SPLICE TECHNICIAN 3 probability is average number of splice locations visited.					
TŘAVEL	20	1.000	20.00	\$46.20	\$15.40
SITE SETUP SPLICE OPERATION	40 60	3.000 3.000	120.00 180.00	\$46.20 \$46.20	\$92.40 \$138.60
SITE TEAR DOWN	30	3.000	90.00	\$46.20	\$69.30
Subtotal - SPLICE TECHNICIAN			 410.00		\$315.70
Total For Service:			 590.00		\$470.98

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Work Bent A	Time Minutes B	Prot #1 C	Prob #2 D	Prob #3 E	Prob #4	Applied Time (Minstes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

#### CABLE UNLOADING/BRIDGE TAP REMOVAL (con't)

Cost	2342 Direct Cost		_	\$470.98
Calculation   Factor   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost				***************
2346   2347   Marketing & Business Fees   2348   Product Management Expense   2348   Product Management Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising Expense   2349   Product Advertising & Business Fees   2349   Product Advertising & Business Fees   2349   Product Advertising & Business Fees   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Product Expense   2349   Produc	2344	Cost	Cost	
2347   Marketing & Business Fees	2345	Calculation	Fector	Cost
2348   Product Management Expense   D2348   E2342   D.019857   \$9.40   2349   E2342   D.011877   \$5.59   2359   Product Advertising Expense   D2359   E2342   D.0010000   \$0.00   2551   Business Fees (Other Operating Taxes)   D2351   Sum(E2342:E2350)   D.01483   \$0.72   2352   Total Merketing & Business Fees   Sum(E2342:E2351)   St.571   2353   Sub-Total Direct Cost & Marketing   E2342   E2352   S486.69   S2352   S2556   Other Direct Expenses   Sum(E2342:E2351)   S486.69   S2352   S2556   Other Direct Expenses   S2557   S2556   Other Direct Expenses   S2557   S2556   S2558   Setwork Support Assets   D2356*E2354   D.014703   S7.16   S2559   General Support Assets   D2356*E2354   D.014703   S7.16   S2559   General Support Assets   D2356*E2354   D.003766   S2559   S2556   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S	2346	9 C	Ð	E
2348   Product Management Expense   D2348   E2342   D.019857   \$9.40   2349   E2342   D.011877   \$5.59   2359   Product Advertising Expense   D2359   E2342   D.0010000   \$0.00   2551   Business Fees (Other Operating Taxes)   D2351   Sum(E2342:E2350)   D.01483   \$0.72   2352   Total Merketing & Business Fees   Sum(E2342:E2351)   St.571   2353   Sub-Total Direct Cost & Marketing   E2342   E2352   S486.69   S2352   S2556   Other Direct Expenses   Sum(E2342:E2351)   S486.69   S2352   S2556   Other Direct Expenses   S2557   S2556   Other Direct Expenses   S2557   S2556   S2558   Setwork Support Assets   D2356*E2354   D.014703   S7.16   S2559   General Support Assets   D2356*E2354   D.014703   S7.16   S2559   General Support Assets   D2356*E2354   D.003766   S2559   S2556   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S2558   S	2347 Marketing & Business Fees			
2349   Sales Expense   D2349*E2342   0.01   1877   \$5.59   2350   Product Advertising Expense   D2350*E2342   0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.		D2348*E2342	0.019957	\$9.40
2351   Business Fees (Other Operating Taxes)   D2351 *Sum(E2342:E2351)   D.001483   S.0.72		D2349*E2342	0.011877	\$5.59
2351   Business Fees (Other Operating Taxes)   D2351 *Sum(E2342:E2351)   D.001483   S.0.72	2350 Product Advertising Expense	D2350°E2342	0.000000	\$0.00
2352   Total Marketing & Business Fees   Sum(E2342;E2351)   \$15.71   2353   Sub-Total Direct Cost & Marketing   E2342+E2352   \$486.69   2355   2356   Other Direct Expenses   2357   Network Operations   D2357*E2354   0.014703   \$7.16   2359   General Support Assets   D2358*E2354   0.014703   \$7.16   2359   General Purpose Computers   D2360*E2354   0.043342   \$43.19   2360   General Purpose Computers   D2360*E2354   0.043342   \$43.19   2361   Uncollectible   D2361*E2354   0.003766   \$1.84   2362   Ancounting & Finance Expense   D2361*E2354   0.003766   \$1.84   2363   Ancounting & Finance Expense   D2361*E2354   0.007346   \$3.58   2363   Human Resources Expense   D2363*E2354   0.007846   \$3.58   2364   Information Management Expense   D2363*E2354   0.007867   \$34.50   2365   Interpretation Management Expense   D2363*E2354   0.000806   \$3.45   2366   Total Other Direct Expenses   D2365*E2354   0.000000   \$0.00   2366   Total Other Direct Expenses   Sum(E2357:E2365)   \$132.35   2367   Executive Expense   D2371*E2368   0.011267   \$8.98   2372   Planning Expense   D2371*E2368   0.000525   \$0.33   2373   Extendire Relations Expense   D2371*E2368   0.000525   \$0.33   2374   Legal Expense   D2371*E2368   0.000525   \$0.33   2375   Extendire Relations Expense   D2371*E2368   0.000525   \$0.33   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2376   Research & Development Expense   D2371*E2368   0.001660   \$1.15   2377   Chier General and Admin Expense   D2371*E2368   0.001660   \$1.15   2377   Chier General and Admin Expense   D2371*E2367   \$44.13   2378   Research & Development Expense   D2371*E2367   \$44.13   2378   Research & Development		D2351*Sum(E2342:E2350)	0.001483	\$0.72
2353   2354   Sub-Total Direct Cost & Marketing   E2342+E2352   \$486.69   2355   2356   Other Direct Expenses		Sum(E2342;E2351)		\$15.71
2355   2356   Other Direct Expenses				
2356   Other Direct Expenses   D2357*E2354   D.034832   \$16.95   \$2558   Network Operations   D2358*E2354   D.014703   \$7.16   \$259   General Support Assets   D2368*E2354   D.086742   \$43.19   \$2360   General Purpose Computers   D2366*E2354   D.086742   \$43.19   \$2360   General Purpose Computers   D2366*E2354   D.008742   \$43.19   \$2360   General Purpose Computers   D2366*E2354   D.003766   \$1.84   \$2362   Accounting & Finance Expense   D2366*E2354   D.007366   \$3.58   \$2363   Human Resources Expense   D2368*E2354   D.007346   \$3.58   \$2363   Human Resources Expense   D2368*E2354   D.000294   \$4.04   \$3.58   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369   \$369	2354 Sub-Total Direct Cost & Marketing	E2342+E2352		\$486.69
2357 Network Operations				
2358 Network Support Assets   D2358*E2354   0.014703   \$7.16	2356 Other Direct Expenses			
2359 General Support Assets   D235°E2354   0.088742   \$43.19	2357 Network Operations	D2357*E2354	0.034832	\$16.95
2360 General Purpose Computers   D2360*E2354   0.043342   \$21.09     2361 Uncollactible   D2361*E2354   0.003766   \$1.84     2362 Accounting & Finance Expense   D2362*E2354   0.007346   \$3.58     2363 Human Resources Expense   D2363*E2354   0.008294   \$4.04     2364 Information Management Expense   D2363*E2354   0.008294   \$4.04     2365 Intangibles   D2365*E2354   0.000000   \$0.00     2366   Total Other Direct Expenses   D2365*E2354   0.000000   \$0.00     2368   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC   TELRIC	2358 Network Support Assets	D2358*E2354	0.014703	\$7.16
2361 Uncollectible   D2361*E2354   0.003786   \$1.84     2362 Accounting & Finance Expense   D2362*E2354   0.007346   \$3.58     2363 Human Resources Expense   D2363*E2354   0.008294   \$4.04     2364 Information Management Expense   D2364*E2354   0.008294   \$4.04     2365 Intangibles   D2365*E2354   0.000000   \$0.00     2366   Total Other Direct Expenses   D2365*E2354   0.000000   \$0.00     2368   TELRIC   E2357*E2365   \$132.35     2367   Executive Expense   E2357*E2366   \$619.04     2378   Executive Expense   D2371*E2368   0.011267   \$6.98     2372 Planning Expense   D2372*E2368   0.000525   \$0.33     2373 External Relations Expense   D2373*E2368   0.0073786   \$23.43     2374   Legal Expense   D2373*E2368   0.0073786   \$23.43     2375   Other Procurement Expense   D2374*E2368   0.004717   \$2.92     2375   Other Procurement Expense   D2375*E2368   0.001860   \$1.15     2376   Research & Development Expense   D2375*E2368   0.000006   \$0.00     2377   Other General and Admin Expense   D2377*E2368   0.000006   \$0.00     2377   Common Costs   Sum(E2371:E2377   \$44.13     2379   Expense   D2377*E2368   0.015064   \$9.33     2378   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense   D2377*E2368   0.015064   \$9.33     2379   Expense	2359 General Support Assets	D2359*E2354	0.088742	\$43.19
2362 Accounting & Finance Expense   D2362*E2354   0.007346   \$3.58	2360 General Purpose Computers	D2360*E2354	0.043342	\$21.09
2363 Human Resources Expense   D2363*E2354   0.008294   \$4.04     2364 Information Management Expense   D2364*E2354   0.070887   \$34.50     2365 Intangibles   D2365*E2354   0.000000   \$0.00     2366   Total Other Direct Expenses   Sum(E2357:E2365)   \$132.35     2367	2361 Uncollectible	D2361*E2354	0.003786	\$1.84
2364 Information Management Expense   D2364*E2354   0.070887   \$34.50	2362 Accounting & Finance Expense	D2362*E2354	0.007346	\$3.58
2365   Intangibles   D2365*E2354   0.000000   \$0.00     2366   Total Other Direct Expenses   Sum(E2357:E2365)   \$132.35     2367	2363 Human Resources Expense	D2363*E2354	0.008294	\$4.04
2366   Total Other Direct Expenses   Sum(E2357:E2365]   \$132.35    2367	2364 Information Management Expense	D2364*E2354	0.070887	\$34.50
2367 2368 TELRIC E2357+E2366 \$619.04 2369 2370 Common 2371 Executive Expense D2371*E2368 0.011267 \$6.98 2372 Planning Expense D2372*E2368 0.000525 \$0.33 2373 External Relations Expense D2373*E2368 0.007846 \$23.43 2374 Legal Expense D2374*E2368 0.004717 \$2.92 2375 Other Procurement Expense D2374*E2368 0.001860 \$1.15 2376 Research & Development Expense D2376*E2368 0.000006 \$0.00 2377 Other General and Admin Expense D2377*E2368 0.000006 \$9.33 2378 Common Costs Sum(E2371:E2377) \$44.13	2365 Intangibles	D2365*E2354	0.000000	\$0.00
2368   TELRIC   E2357+E2366   \$619.04		Sum(E2357:E2365)		\$132.35
2369 2370 Common 2371 Executive Expense 2372 Planning Expense 2373 External Relations Expense 2373 External Relations Expense 2374 Legal Expense 2375 Other Procurement Expense 2375 Other Procurement Expense 2376 Research & Development Expense 2377 Other General and Admin Expense 2378 [Common Costs 2379 2379		FDDFT, FDDGG		0010.04
2370   Common   2371   Executive Expense   D2371*E2368   0.011267   \$6.98   2372   Planning Expense   D2372*E2368   0.000525   \$0.337   2373   External Relations Expense   D2373*E2368   0.0037846   \$23.43   2374   Legal Expense   D2374*E2368   0.004717   \$2.92   2375   Other Procurement Expense   D2375*E2368   0.001860   \$1.15   2376   Research & Development Expense   D2376*E2368   0.000006   \$0.00   2377   Other General and Admin Expense   D2377*E2368   0.015064   \$9.33   2378   Common Costs   Sum(E2371:E2377   \$44.13   2379   \$44.13		E235/+E2300		\$619.04
2371 Executive Expense       D2371*E2368       0.011267       \$6.98         2372 Planning Expense       D2372*E2368       0.000525       \$0.33         2373 External Relations Expense       D2373*E2368       0.037846       \$23.43         2374 Legal Expense       D2374*E2368       0.004717       \$2.92         2375 Other Procurement Expense       D2375*E2368       0.001860       \$1.15         2376 Research & Development Expense       D2376*E2368       0.000006       \$0.00         2377 Other General and Admin Expense       D2377*E2368       0.015064       \$9.33         2378 Common Costs       Sum(E2371:E2377)       \$44.13				
2372 Planning Expense         D2372*E2368         0.000525         \$0.33           2373 External Relations Expense         D2373*E2368         0.037846         \$23.43           2374 Legal Expense         D2374*E2368         0.004717         \$2.92           2375 Other Procurement Expense         D2375*E2368         0.001860         \$1.15           2376 Research & Development Expense         D2376*E2368         0.000006         \$0.00           2377 Other General and Admin Expense         D2377*E2368         0.015064         \$9.33           2378 Common Costs         Sum(E2371:E2377)         \$44.13		D2371*E2368	0.011267	\$6.98
2373 External Relations Expense       D2373*E2368       0.037846       \$23.43         2374 Legal Expense       D2374*E2368       0.004717       \$2.92         2375 Other Procurement Expense       D2375*E2368       0.001860       \$1.15         2376 Research & Development Expense       D2376*E2368       0.000006       \$0.00         2377 Other General and Admin Expense       D2377*E2368       0.015064       \$9.33         2378 Common Costs       Sum(E2371:E2377)       \$44.13		D2372*E2368	0.000525	
2374 Legal Expense         D2374*E2368         0.004717         \$2.92           2375 Other Procurement Expense         D2375*E2368         0.001860         \$1.15           2376 Research & Development Expense         D2376*E2368         0.000006         \$0.00           2377 Other General and Admin Expense         D2377*E2368         0.015064         \$9.33           2378 [Common Costs         Sum(E2371:E2377)         \$44.13		D2373*E2368	0.037846	
2375 Other Procurement Expense       D2375*E2368       0.001860       \$1.15         2376 Research & Development Expense       D2376*E2368       0.000006       \$0.00         2377 Other General and Admin Expense       D2377*E2368       0.015064       \$9.33         2378 [Common Costs       Sum(E2371:E2377)       \$44.13         2379		D2374*E2368	0.004717	\$2.92
2376 Research & Development Expense       D2376*E2368       0.000006       \$0.00         2377 Other General and Admin Expense       D2377*E2368       0.015064       \$9.33         2378 Common Costs       Sum(E2371:E2377)       \$44.13         2379		D2375*E2368	0.001860	\$1.15
2377 Other General and Admin Expense D2377*E2368 0.015064 \$9.33 2378 Common Costs Sum(E2371:E2377) \$44.13 2379		D2376*E2368	0.000006	\$0.00
2379		D2377*E2368	0.015064	\$9.33
	2378 Common Costs	Sum(E2371:E2377)		\$44.13
2380 TELRIC + Common Costs E2368+E2378 \$863.17	2379			
	2380 TELRIC + Common Costs	E2368+E2378		\$663.17

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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State. South Sanota							
Work Rem	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor	Cost
A	В	Č	Ď	E F	G B * (C Thru F)	H	H * (G/60)
					B (C IIIIu F)		п (Сибо)
LOOP BASIC INSTALL FIRST Mechanized							
*ADD*							
-INTERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.							
Review LSR for completeness and accuracy, contractual entries	3	1.000	0.150		0.45	\$40.03	\$0.3
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150		0.01	\$40.03	\$0.0
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150		0.60	\$40.03	\$0.4
CPPD look-up billing USOC's for co-provider	2	1.000	0.150		0.30	\$40.03	\$0.2
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150		0.30	\$40.03	\$0.
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150		0.38	\$40.03	\$0.2
Determine critical dates	1	1.000	0.150		0.15	\$40.03	\$0.1
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150		0.23	\$40.03	\$0.
Populate required fields	3	1.000	0.150		0.45	\$40.03	\$0.
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000	0.150		0.45	\$40.03	\$0.
Input order into service order processor. Type and format order for billing and provisioning	10	1.000	0.150		1.50	\$40.03	\$1.0
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	\$0.3
Handle calls from other departments working the order	5 5	0.600 0.080	0.150 0.150		0.45 0.06	\$40.03 \$40.03	\$0.3
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150		0.06	\$40.03	\$0.0
Subtotal - INTERCONNECT SERVICE CENTER (ISC)					5.77		\$3.8
-LOOP PROVISIONING CENTER (LPC)							
Probability is % manual work required.	44.00	0.400			4.50	40= =0	
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.8
Subtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2.8
-DESIGN							
Probabilities are % manual work required.							
Order handling/screening	5	0.200			1.00	\$44.31	\$0.7
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0.8
Enter WA (Work Authorization) mask	.5	0.100			0.50	\$44.31	\$0.3
Prepare loop input/DRI (Design Related Information)	10	0.200			2.00	\$44.31	\$1.4
Circuit design	20	0.100			2.00	\$44.31	\$1.4
Distribute WORD (Work Order Record Detail) document	2	0.050			0.10	\$44.31	\$0.0
Subtotal - DESIGN					6.80		\$5.0
-CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and interconnect Distri							
Analyze order	5	1.000			5.00	\$43.81	\$3.69

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work flem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	В	C	D	E	F	G B * (C Thru F)	Н	I H * (G/60
OOP BASIC INSTALL FIRST Mechanized (con't)								
Complete cross-connect	4	2.000				8.00	\$43.81	\$
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000				2.00	\$43.81	\$
biotal - CENTRAL OFFICE FRAMES						15.00		<b>\$</b> 1
RVICE DELIVERY IMPLEMENTOR								
Screen WFA (Work Force Administration) for circuit	5	1.000				5.00	\$43.81	!
Verify LNO (Local Network Operation) completion	5	1.000				5.00	\$43.81	
Notify customer/co-provider of work completion  Post order complete in WFA/C (Work Force Administration - Control Module)	5 10	1.000 1.000				5.00 10.00	\$43.81 \$43.81	
						25.00		
total - SERVICE DELIVERY IMPLEMENTOR	<del>_</del>					25.00		3
SCONNECT*								
TERCONNECT SERVICE CENTER (ISC)								
Prob (.15) is percent orders that will fall out of IMA for manual handling.  Review LSR for completeness and accuracy, contractual entries	•	0.150				0.45	\$40.03	
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	3 2	0.150				0.45	\$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	0.150				0.30	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	\$40.03	
Populate required fields	3	0.150				0.45	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150				0.45	\$40.03	
total - INTERCONNECT SERVICE CENTER (ISC;						3.45		
OP PROVISIONING CENTER (LPC)								
Probability is % manual work required.	44.05	0.400					007.70	
Clear RMA (Request for manual assistance)	11.25	0.400				4.50	\$37.78	
total - LOOP PROVISIONING CENTER (LPC)						4.50		
SIGN								
Probabilities are % manual work required.								
Order handling/screening	5	0.100				0.50	\$44.31	
GOC (Generic Order Control) order log	6	0.100				0.60	\$44.31	
Enter WA (Work Authorization) mask	5 5	0.100 0.100				0.50 0.50	\$44.31 \$44.31	
Disconnect circuit Distribute WORD (Work Order Record Detail) document	2	0.100				0.50 0.10	\$44.31 \$44.31	
`								
total - DESIGN						2.20		

# -CENTRAL OFFICE FRAMES

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Work theat	Time Minutes	Prob Pro		Labor Mour	Cost
A	В	C D	E F G	- н	ı
			B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL FIRST Mechanized (con't)					
2 probability is for cross-connects removed at Main Distributing Frame and interconnec	t Distribution Fram	e.			
Analyze order	5	1.000	5.00	\$43.81	\$3.6
Remove cross-connect	2.3	2.000	4.60	\$43.81	\$3.3
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000	2.00	\$43.81	\$1.4
Subtotal - CENTRAL OFFICE FRAMES			11.60		\$8.4
-SERVICE DELIVERY IMPLEMENTOR					
Screen WFA (Work Force Administration) for circuit	5	1.000	5.00	\$43.81	\$3.6
Contact customer	5	1.000	5.00	\$43.81	\$3.6
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000	5.00	\$43.81	\$3.6
Subtotal - SERVICE DELIVERY IMPLEMENTOR			15.00		\$10.9
Tatal For Service:			93.82		\$67.0

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Work flem	Time Minutes	Prob #1	Proti #2			Labor Hour Cost
A	В	<u> </u>	Ď	E	F G	H I
					B * (C Thru F)	H * (G/60)

#### LOOP BASIC INSTALL FIRST Mechanized (con't)

2522 Direct Coet			\$67.00
2523		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
2524	Cost	Cost	
2525	Calculation	Fector	Cost
2526	8 C	0	E
2527 Marketing & Business Fees			
2528 Product Management Expense	D2528°E2522	0.019957	\$1.34
2529 Sales Expense	D2529*E2522	0.011877	\$0.80
2530 Product Advertising Expense	D2530*E2522	0.000000	\$0.00
2531 Business Fees (Other Operating Taxes)	D2531*Sum(E2522:E2530)	0.001483	\$0.10
2532 Total Marketing & Business Fees	Sum(E2522;E2531)		\$2.24
2533			
2534 Sub-Total Direct Cost & Marketing	E2522+E2532		\$69.33
2535	<del>_</del> <del>_</del> -	<u> </u>	
2536 Other Direct Expenses			
2537 Network Operations	D2537*E2534	0.034832	\$2.41
2538 Network Support Assets	D2538*E2534	0.014703	\$1.02
2539 General Support Assets	D2539*E2534	0.088742	\$6.15
2540 General Purpose Computers	D2540*E2534	0.043342	\$3.00
2541 Uncollectible	D2541*E2534	0.003786	\$0.26
2542 Accounting & Finance Expense	D2542*E2534	0.007346	\$0.51
2543 Human Resources Expense	D2543*E2534	0.008294	\$0.58
2544 Information Management Expense	D2544*E2534	0.070887	\$4.91
2545 Intangibles	D2545*E2534	0.000000	\$0.00
2546 Total Other Direct Expenses	Sum(E2537;E2545)		\$18.85
2547			
2548 TELRIC	E2537+E2546		\$88.18
2549			
2550 Common			
2551 Executive Expense	D2551*E2548	0.011267	\$0.99
2552 Planning Expens∈	D2552*E2548	0.000525	\$0.05
2553 External Relations Expense	D2553*E2548	0.037846	\$3.34
2554 Legal Expense	D2554*E2548	0.004717	\$0.42
2555 Other Procurement Expense	D2555*E2548	0.001860	\$0.16
2556 Research & Development Expense	D2556*E2548	0.000006	\$0.00
2557 Other General and Admin Expense	D2557*E2548	0.015064	\$1.33
2558 Common Costs	Sum(E2551:E2557)		\$6.29
2559			
2560 TELRIC + Common Costs	E2548+E2558		\$94.47

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Work Rem	Time Minutes	Prob #1	Prob Pro		Labor Mour	
A A	B B	Č	D E	F G	H	Cost
·	_	•	_	B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL EA ADDL Mechanized						
*ADD*						
-INTERCONNECT SERVICE CENTER (ISC)						
.6, .08 probabilities is percent of time this activity will occur.						
Prob (.15) is percent orders that will fall out of IMA for manual handling.						
Populate required fields	3	1.000	0.150	0.45	\$40.03	\$0.30
Input order into service order processor. Type and format order for billing and provisioning	5	1.000	0.150	0.75	\$40.03	\$0.50
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150	0.45	\$40.03	\$0.30
Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pair	1	0.600 0.080	0.150 0.150	0.09	\$40.03	\$0.06
Handle issues including conditioning, lacility, cableapail	'	0.060	Ų. 15 <b>0</b>	0.01	\$40.03	\$0.01
Subtotal - INTERCONNECT SERVICE CENTER (ISC)				1.75		\$1.17
-LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required.						
Clear RMA (Request for manual assistance)	11.25	0.400		4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)				4.50		\$2.83
-DESIGN						
Probabilities are % manual work required.						
Order handling/screening	5	0.200		1.00	\$44.31	\$0.74
GOC (Generic Order Control) order log	6	0.200		1.20	\$44.31	\$0.89
Enter WA (Work Authorization) mask	5	0.100		0.50	\$44.31	\$0.37
Prepare loop input/DRI (Design Related Information)	10	0.200		2.00	\$44.31	\$1.48
Circuit design	20	0.100		2.00	\$44.31	\$1.48
Distribute WORD (Work Order Record Detail) document	2	0.050		0.10	\$44.31	\$0.07
Subtotal - DESIGN				6.80		\$5.02
-CENTRAL OFFICE FRAMES						
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Dis	tribution Frame					
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross-connect	4	2.000		8.00	\$43.81	\$5.84
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				15.00		\$10.95
-SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	5	1.000		5.00	\$43.81	\$3.65
Verify LNO (Local Network Operation) completion	5	1.000		5.00	\$43.81	\$3.65
Post order complete in WFA/C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.30

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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OP BASIC INSTALL EA ADDL Mechanized (con't)  Intotal - SERVICE DELIVERY IMPLEMENTOR  SCONNECT*  TERCONNECT SERVICE CENTER (ISC)  Prob (-15) is percent orders that will fail out of IMA for manual handling.  Populate required fields Input order into service order processor. Type and format order for billing and provisioning 5 Ensure order is successfully distributed to the systems and is ready for provisioning 3  Intotal - INTERCONNECT SERVICE CENTER (ISC)  Probability is % manual work required.  Clear RMA (Request for manual assistance) 11.25  Intotal - LOOP PROVISIONING CENTER (LPC)  SIGN  Probabilities are % manual work required.  Order handling/screening 5 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  Intotal - DESIGN  INTRAL OFFICE FRAMES 2 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Remove cross-connect 2.3  Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2  Intotal - CENTRAL OFFICE FRAMES  Distribute WORD (Work Defice FRAMES)  Protocol Report Medical Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of Processing Center of	0.150 0.150 0.150 0.400	0.45 0.75 0.45 1.65	\$40.03 \$40.03 \$40.03	\$14. \$10. \$0. \$0. \$1.
TERCONNECT SERVICE CENTER (ISC)  Prob (.15) is percent orders that will fall out of IMA for manual handling.  Populate required fields Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning 3 stotal - INTERCONNECT SERVICE CENTER (ISC)  Probability is % manual work required. Clear RMA (Request for manual assistance)  11.25  Intotal - LOOP PROVISIONING CENTER (LPC)  Probabilities are % manual work required. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Fra Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  2 stotal - CENTRAL OFFICE FRAMES	0.150 0.150	0.45 0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 \$0 \$1
TERCONNECT*  TERCONNECT SERVICE CENTER (ISC)  Prob (.15) is percent orders that will fall out of IMA for manual handling. Populate required fields Input order into service order processor. Type and format order for billing and provisioning 5 Ensure order is successfully distributed to the systems and is ready for provisioning 3  Input order into service order processor. Type and format order for billing and provisioning 5 Ensure order is successfully distributed to the systems and is ready for provisioning 3  Input order into service CENTER (ISC)  DOP PROVISIONING CENTER (LPC)  Probability is % manual work required. Clear RMA (Request for manual assistance) 11.25  Intotal - LOOP PROVISIONING CENTER (LPC)  SIGN  Probabilities are % manual work required. Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 55 Disconnect circuit 55 Disconnect circuit 55 Distribute WORD (Work Order Record Detail) document 2  Intotal - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 8 Remove cross-connect 5 Remove cross-connect 5 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.150 0.150	0.45 0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 \$0 \$1
TERCONNECT SERVICE CENTER (ISC)  Prob (.15) is percent orders that will fall out of IMA for manual handling.  Populate required fields Input order into service order processor. Type and format order for billing and provisioning Sensure order is successfully distributed to the systems and is ready for provisioning  Intelligence of the service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Ensure order is successfully distributed to the systems and is ready for provisioning  Probability is % manual work required. Clear RMA (Request for manual assistance)  11.25  Intelligence or manual assistance)  Probabilities are % manual work required. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  Intelligence or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control or control	0.150 0.150	0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 \$1 \$2
Prob (.15) is percent orders that will fall out of IMA for manual handling. Populate required fields Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning 3  Intotal - INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  Probability is % manual work required. Clear RMA (Request for manual assistance)  Intotal - LOOP PROVISIONING CENTER (LPC)  INTERCONNECT SERVICE CENTER (LPC)  INTERCONNECT SERVICE CENTER (ISC)  INTOTAL - LOOP PROVISIONING CENTER (LPC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE CENTER (ISC)  INTERCONNECT SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE S	0.150 0.150	0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 \$1 \$2
Populate required fields Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning 3  Intotal - INTERCONNECT SERVICE CENTER (ISC)  DOP PROVISIONING CENTER (LPC)  Probability is % manual work required. Clear RMA (Request for manual assistance)  11.25  Intotal - LOOP PROVISIONING CENTER (LPC)  SIGN  Probabilities are % manual work required. Order handling/screening 5 GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document  2  Intotal - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  2 Intotal - CENTRAL OFFICE FRAMES	0.150 0.150	0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 \$1
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning  **Rotal - INTERCONNECT SERVICE CENTER (ISC)**  **POP PROVISIONING CENTER (LPC)**  **Probability is % manual work required.**  Clear RMA (Request for manual assistance)**  **Intel - LOOP PROVISIONING CENTER (LPC)**  **SIGN**  Probabilities are % manual work required.**  Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 5  **Intel - DESIGN**  **INTRAL OFFICE FRAMES**  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Remove cross-connect 5 Remove cross-connect 2.33  Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.150 0.150	0.75 0.45 1.65	\$40.03 \$40.03	\$0 \$0 <b>\$1</b> \$2
Ensure order is successfully distributed to the systems and is ready for provisioning  **Rotal - INTERCONNECT SERVICE CENTER (ISC)**  **Probability Is % manual work required.**  Clear RMA (Request for manual assistance) 11.25  **Rotal - LOOP PROVISIONING CENTER (LPC)**  **SIGN**  Probabilities are % manual work required.**  Order handling/screening 5  GOC (Generic Order Control) order log 6  Enter WA (Work Authorization) mask 5  Disconnect circuit 5  Distribute WORD (Work Order Record Detail) document 2  **Rotal - DESIGN**  INTRAL OFFICE FRAMES  2 probability Is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frameword order order 5  Remove cross-connect 2.3  Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.150	0.45 1.65 4.50	\$40.03	\$0 \$1 \$2
Probability is % manual work required. Clear RMA (Request for manual assistance)  Probabilities are % manual work required. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  Probabilities are % manual work required.  Order handling/screening 5 Got (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Distribute WORD (Work Order Record Detail) document 2  Probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  2  **total - CENTRAL OFFICE FRAMES**		1.65 4.50		\$1 \$2
Probability is % manual work required. Clear RMA (Request for manual assistance)  Probabilities are % manual work required. Order handling/screening  GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document  STRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  Statal - CENTRAL OFFICE FRAMES	0.400	4.50	\$37.78	\$2
Probability is % manual work required. Clear RMA (Request for manual assistance)  Intotal - LOOP PROVISIONING CENTER (LPC)  SIGN  Probabilities are % manual work required. Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  Intotal - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.400		\$37.78	
Clear RMA (Request for manual assistance)  11.25  Intotal - LOOP PROVISIONING CENTER (LPC)  SIGN  Probabilities are % manual work required.  Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  Intotal - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.400	 	\$37.78	
SIGN  Probabilities are % manual work required.  Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  Interior - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.400		\$37.78	
Probabilities are % manual work required. Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 8 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2		A EA		
Probabilities are % manual work required. Order handling/screening 5 GOC (Generic Order Control) order log 6 Enter WA (Work Authorization) mask 5 Disconnect circuit 5 Distribute WORD (Work Order Record Detail) document 2  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2		4.50		\$2
Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  State - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  State - CENTRAL OFFICE FRAMES				
GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  Stotal - DESIGN  INTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Fra Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  2 stotal - CENTRAL OFFICE FRAMES				
Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  2  **NTRAL OFFICE FRAMES** 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  **STRAL OFFICE FRAMES** 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	0.100	0.50	\$44.31	\$0
Disconnect circuit Distribute WORD (Work Order Record Detail) document  **NTRAL OFFICE FRAMES**  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  **Total - CENTRAL OFFICE FRAMES**	0.100	0.60	\$44.31	\$0
Distribute WORD (Work Order Record Detail) document 2  INTRAL OFFICE FRAMES  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.100	0.50	\$44.31	\$0
NTRAL OFFICE FRAMES  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Fra Analyze order  5 Remove cross-connect  2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  2 total - CENTRAL OFFICE FRAMES	0.100 0.050	0.50	\$44.31	\$0
NTRAL OFFICE FRAMES  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Fra Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2	0.050	0.10	\$44.31	\$0
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Fra Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2		 2.20		\$1
Analyze order 5 Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2  **Total - CENTRAL OFFICE FRAMES**				
Remove cross-connect 2.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2  total - CENTRAL OFFICE FRAMES				
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2  total - CENTRAL OFFICE FRAMES	1.000	5.00	\$43.81	\$3
total - CENTRAL OFFICE FRAMES	2.000	4.60	\$43.81	\$3
		2.00	\$43.81	\$1
DVIGE DELIVEDVINDI EMENTAD	1.000	 11.60		\$8
RVICE DELIVERY IMPLEMENTOR	1.000			
Screen WFA (Work Force Administration) for circuit 5	1.000		\$43.81	\$3
Complete circuit in WFA/C (Work Force Administration - Control Module) 5	1.000	 5.00		\$3
total - SERVICE DELIVERY IMPLEMENTOR		5.00 5.00	\$43,81	
	1.000		\$43,81	\$7

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Work Nem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob Applied Time #4 (Minutes) F G	Labor Flour Cost H
					B * (C Thru F)	H * (G/60)

# LOOP BASIC INSTALL EA ADDL Mechanized (con't)

2657 Direct Cost			\$55.91
2658			
2659	Cost	Cost	
2660	Calculation	Factor	Cost
2661	ВС	Ð	E
2662 Marketing & Business Fees			
2663 Product Management Expens€	D2663*E2657	0.019957	\$1.12
2664 Sales Expense	D2664*E2657	0.011877	\$0.66
2665 Product Advertising Expense	D2665*E2657	0.000000	\$0.00
2666 Business Fees (Other Operating Taxes)	D2666*Sum(E2657:E2665)	0.001483	\$0.09
2667 Total Marketing & Business Fees	Sum(E2657;E2666)		\$1.87
2668			
2669 Sub-Total Direct Cost & Marketing	E2657+E2667		\$57.78
2670			
2671 Other Direct Expenses			
2672 Network Operations	D2672*E2669	0.034832	\$2.01
2673 Network Support Assets	D2673*E2669	0.014703	\$0.85
2674 General Support Assets	D2674*E2669	0.088742	\$5.13
2675 General Purpose Computers	D2675*E2669	0.043342	\$2.50
2676 Uncollectible	D2676*E2669	0.003786	\$0.22
2677 Accounting & Finance Expense	D2677*E2669	0.007346	\$0.42
2678 Human Resources Expense	D2678*E2669	0.008294	\$0.48
2679 Information Management Expense	D2679*E2669	0.070887	\$4.10
2680 Intangibles	D2680*E2669	0.000000	\$0.00
2681 Total Other Direct Expenses	Sum(E2672;E2680)		\$15.71
2682			
2683 TELRIC	E2672+E2681		\$73.49
2684			
2685 Common			
2686 Executive Expense	D2686*E2683	0.011267	\$0.B3
2687 Planning Expense	D2687*E2683	0.000525	\$0.04
2688 External Relations Expense	D2688*E2683	0.037846	\$2.78
2689 Legal Expense	D2689°E2683	0.004717	\$0.35
2690 Other Procurement Expense	D2690*E2683	0.001860	\$0.14
2691 Research & Development Expense	D2691*E2683	0.000006	\$0.00
2692 Other General and Admin Expense	D2692*E2683	0.015064	\$1.11
2693 Common Costs	Sum(E2686: E2692)		\$5.24
2694			
2695 TELRIC + Common Costs	E2683+E2693		\$78.73

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob #2	Prot Pro		Labor Mour	Coaf
A	В	С	D	E F	G B * (C Thru F)	Н	T H * (G/6
OOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized							
DD*							
TERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.							
Review LSR for completeness and accuracy, contractual entries	3	1.000	0.150		0.45	\$40.03	
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150		0.01	\$40.03	
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150		0.60	\$40.03	
CPPD look-up billing USOC's for co-provider	2	1.000	0.150		0.30	\$40.03	
Summary Bill List-Look up Billing Telephone Number, tax code, and bill dat∈	2	1.000	0.150		0.30	\$40.03	
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150		0.38	\$40.03	
Determine critical dates	1	1.000	0.150		0.15	\$40.03	
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150		0.23	\$40.03	
Populate required fields  Type, review and submit to customer the Firm Order Confirmation (FOC)	3 3	1.000 1.000	0.150 0.150		0.45 0.45	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	1.000	0.150		1.50	\$40.03 \$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	
Handle calls from other departments working the order	5	0.600	0.150		0.45	\$40.03	
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150		0.06	\$40.03	
total - INTERCONNECT SERVICE CENTER (ISC)	<u> </u>				5.77		
OP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	
total - LOOP PROVISIONING CENTER (LPC)			<u> </u>		4.50		
SIGN	<u> </u>						
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1,00	\$44.31	
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	
Prepare loop input/DRI (Design Related Information)	10	0.200			2.00	\$44.31	
Circuit design	20	0.100			2.00	\$44.31	
Distribute WORD (Work Order Record Detail) document	2	0.050			0.10	\$44.31	
total - DESIGN				<u> </u>	6.80		

# -CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)

<sup>.15</sup> probability is % orders that require manual dispatch.
.03 probability is % orders when workitem performed in unmanned office.

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Work Beat	Time Minutes B	Prob #1	Prob Prol #2 #3 D F	Prob	Applied Time (Minutes)	Labor Afour	Cost
*	В	C	U E	r	G Thru F)	— н	H * (G/60)
OOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)							
Screen order	2	0.150			0.30	\$37.78	\$0.
Load work request to technician Close out work request with technician	5 3	0.150 0.150	0.030		0.75 0.01	\$37.78 \$37.78	\$0. \$0.
ubtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC					1.06	<del></del>	\$0.
CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and interconnect Dis	stribution Frame	). 1.000			F 00	\$43.81	œo.
Analyze order Complete cross-connect	5 4	2.000			5.00 8.00	\$43.81 \$43.81	\$3 \$5
Complete Cross-connect Complete Loop Qualification	2	1.000			2.00	\$43.81	φ3 \$1
Record DVA (Designed, Verified, Assigned) test results	2	1.000			2.00	\$43.81	\$1
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000			2.00	\$43.81	\$1
Analyze Due Date WFADI work request	2	1.000			2.00	\$43.81	\$1
Set up due date test with I&M technician	2	1.000			2.00	\$43.81	\$1
Complete due date work status with Implementor	3	1.000			3.00	\$43.81	\$2
ubtotal - CENTRAL OFFICE FRAMES					26.00		\$18.
OAD RESOURCE ADMINISTRATION CENTER (LRAC)							
Screen order	2	1.000			2.00	\$37.78	\$1.
Load work request to technician	5	1.000			5.00	\$37.78	\$3
Close out work request with technician	3	1.000			3.00	\$37.78	\$1
ubtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,					10.00		\$6
NSTALLATION/FIELD TECHNICIAN							
0.2 probability is percent of time access/sal point and service terminal work required.	4	1.000			1.00	\$42.68	\$0
Analyze order  Travel to end user premises including serving area interface and service terminal as requirec	21	1.000			21.00	\$42.68	\$0 \$14
Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200			2.60	\$42.68	\$14 \$1
Complete service terminal work.	15	0.200			3.00	\$42.68	\$2
Customer contact	5	1.000			5.00	\$42.68	\$3
Contact CCT-I (Customer Communication Technician-Implementor) to work order	3	1.000			3.00	\$42.68	\$2
Complete performance/conformance testing	15	1.000			15.00	\$42.68	\$10
Contact LRAC (Load Resource Administration Center) to close order	3	1.000			3.00	\$42.68	\$2
ubtotal - INSTALLATION/FIELD TECHNICIAN					53.60		\$38.
ERVICE DELIVERY IMPLEMENTOR						<b>.</b>	_
Screen WFA (Work Force Administration) for circuit	15	1.000			15.00	\$43.81	\$10
Verify LNO (Local Network Operation) completion	10	1.000			10.00	\$43.81	\$7
Complete performance testing	15	1.000			15.00	\$43.81	\$1

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Work Item	Time Minutes	Ħ	Prob Prob Prob Applied Time #2 #3 #4 (Minutes)	Labor /Hour	Cost
A	В	C	D E F G B*(CThru F)	Н	H * (G/60
OOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)					
Notify customer/co-provider of work completion	5	1.000	5.00		:
Post order complete in WFA/C (Work Force Administration - Control Module)	10	1.000	10.00	\$43.81	:
ototal - SERVICE DELIVERY IMPLEMENTOR			55.00		\$
SCONNECT*					
TERCONNECT SERVICE CENTER (ISC)					
Prob (.15) is percent orders that will fall out of IMA for manual handling.  Review LSR for completeness and accuracy, contractual entries	3	0.150	0.45	£40.02	
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	0.150	0.45		
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	0.150	0.30		
Input order into service order processor. Type and format order for billing and provisioning	10	0.150	1.50		
Populate required fields	3	0.150	0.45		
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150	0.45		
ototal - INTERCONNECT SERVICE CENTER (ISC,			3.45		
OOP PROVISIONING CENTER (LPC)					
Probability is % manual work required. Reciprocal is mechanization rate.					
Clear RMA (Request for manual assistance)	11,25	0.400	4.50	\$37.78	
ntotal - LOOP PROVISIONING CENTER (LPC)			4.50		
	<del></del>	<del></del> _	4.50		
SIGN Probabilities are % manual work required. Reciprocal is mechanization rate.					
Order handling/screening	5	0.100	0.50	\$44.31	
GOC (Generic Order Control) order log	6	0.100	0.60		
Enter WA (Work Authorization) mask	5	0.100	0.50		
Disconnect circuit	5	0.100	0.50	\$44.31	
Distribute WORD (Work Order Record Detail) document	2	0.050	0.10	\$44.31	
total - DESIGN			2.20		
NTRAL OFFICE FRAMES					
	Distribution Fran				
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect		1.000	5.00		
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect in Analyze order	5				
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect in Analyze order Remove cross-connect	5 2.3	2.000	4.60		
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect in Analyze order	5 2.3 2		4.60 2.00	•	

# -SERVICE DELIVERY IMPLEMENTOR

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Work hard	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
Å	В	C	D	Ε	F	G D * (O The D)	Н	
						B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)								
Screen WFA (Work Force Administration) for circuit	5	1.000				5.00	\$43.81	\$3.65
Contact customer	5	1.000				5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000				5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						15.00		\$10.95
Total For Service:		_				199.48		\$142.12

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A		В	C D	Ë	F G	1
					B*(CThruF)	H * (G/60)

#### LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)

0000			\$142.12
2882 Hisat Cost			\$142.14
2883	Cost	Section of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the	
2884		)OST	A
2885		ictor	Cost
2886	<u> </u>	D	E
2887 Marketing & Business Fees			
2888 Product Management Expens€		0.019957	\$2.84
2889 Sales Expense		0.011877	\$1.69
2890 Product Advertising Expense		0.000000	\$0.00
2891 Business Fees (Other Operating Taxes)		0.001483	\$0.22
2892 Total Marketing & Business Fees	Sum(E2882:E2891)		\$4.74
2893			
2894 Sub-Total Direct Cost & Merketing	E2882+E2892		\$146.86
2895			
2896 Other Direct Expenses	D0007475004		
2897 Network Operations		0.034832	\$5.12
2898 Network Support Assets		0.014703	\$2.16
2899 General Support Assets	===::: ==::	0.088742	\$13.03
2900 General Purpose Computers		0.043342	\$6.37
2901 Uncollectible	===:: ==:	0.003786	\$0.56
2902 Accounting & Finance Expense		0.007346	\$1.08
2903 Human Resources Expense		0.008294	\$1.22
2904 Information Management Expense		0.070887	\$10.41
2905 Intangibles		0.000000	\$0.00
2906 Total Other Direct Expenses	Sum(E2897:E2905)		\$39.94
2907			
2908 TELRIC	E2897+E2906		\$186.80
2909			
2910 Common			
2911 Executive Expense		0.011267	\$2.10
2912 Planning Expense		0.000525	\$0.10
2913 External Relations Expens€		0.037846	\$7.07
2914 Legal Expense		0.004717	\$0.88
2915 Other Procurement Expense	D2915*E2908	0.001860	\$0.35
2916 Research & Development Expense	D2916*E2908	0.000006	\$0.00
2917 Other General and Admin Expense	D2917*E2908	0.015064	\$2.81
2918 Common Costs	Sum(E2911:E2917)		\$13.32
2919			
2920 TELRIC + Common Costs	E2908+E2918		\$200.12

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<b>Work Rein</b> A	Time Minutes B	Preb #1 C	Prob #2 D	Prob Prob #3 #4 E F	(Minutes) G	Labor Mour H	Cost
				·	B * (C Thru F)	-	H * (G/60)
OOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized							
ADD*							
NTERCONNECT SERVICE CENTER (ISC)							
.6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.	_		A			***	_
Populate required fields	3	1.000	0.150		0.45	\$40.03	\$0
Input order into service order processor. Type and format order for billing and provisioning	5	1.000	0.150		0.75	\$40.03	\$0
Ensure order is successfully distributed to the systems and is ready for provisioning	3 1	1.000 0.600	0.150 0.150		0.45 0.09	\$40.03 \$40.03	\$0 \$0
Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pair	1	0.600	0.150 0.150		0.09	\$40.03 \$40.03	\$\ \$(
rando issues including conditioning, radiity, Cabieapail			V. 10U			φ+υ.υ <b>3</b>	·
btotal - INTERCONNECT SERVICE CENTER (ISC,					1.75		\$1
OOP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2
ubtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2
DEGICN		_		_		_	
DESIGN Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	\$0
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0 \$0
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	\$0 \$0
Prepare loop input/DRI (Design Related Information)	10	0.200			2.00	\$44.31	\$1
Circuit design	20	0.100			2.00	\$44.31	\$1
Distribute WORD (Work Order Record Detail) document	2	0.050			0.10	\$44.31	\$0
ubtotal - DESIGN					6.80		\$5.
ENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)							
.15 probability is % orders that require manual dispatch.							
.03 probability is % orders when workitem performed in unmanned office.							
Screen order	2	0.150			0.30	\$37.78	\$0.
Load work request to technician	5	0.150			0.75	\$37.78	\$0
Close out work request with technician	3	0.150	0.030		0.01	\$37.78	\$0.
btotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC					1.06		\$0.
ENTRAL OFFICE FRAMES  2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Dis	stribution Frame.						
Analyze order	5	1.000			5.00	\$43.81	\$3.

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Work hem	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minotes)	Labor /Hour	Cost
A A	В	<del>Č</del>	D É F	G	H	
				B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized (con't)						
Complete cross-connect	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000		2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Analyze Due Date WFADI work request	1	1.000		1.00	\$43.81	\$0.73
Set up due date test with I&M technician	1	1.000		1.00	\$43.81	\$0.73
Complete due date work status with Implementor	1	1.000		1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES				22.00	<del></del>	\$16.06
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)						
Screen order	2	1.000		2.00	\$37.78	\$1.26
Load work request to technician	5	1.000		5.00	\$37.78	\$3.15
Close out work request with technician	3	1.000		3.00	\$37.78	\$1.89
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,				10.00		\$6.30
-INSTALLATION/FIELD TECHNICIAN						
0.2 probability is percent of time access/sal point and service terminal work required.						
Complete AP/SAC (Access Point/Serving Area Interface) wiring	10	0.200		2.00	\$42.68	\$1.42
Complete service terminal work.	10	0.200		2.00	\$42.68	\$1.42
Complete performance/conformance testing	10	1.000		10.00	\$42.68	\$7.11
Close order with LRAC (Load Resource Administration Center).	1	1.000		1.00	\$42.68	\$0.71
Subtotal - INSTALLATION/FIELD TECHNICIAN			<del></del>	15.00	<u> </u>	\$10.67
					· ···	
-SERVICE DELIVERY IMPLEMENTOR	15	1.000		15.00	640.01	\$10.95
Screen WFA (Work Force Administration) for circuit Verify LNO (Local Network Operation) completion	10	1.000		15.00 10.00	\$43.81 \$43.81	\$10.95 \$7.30
Complete performance testing	15	1.000		15.00	\$43.81 \$43.81	\$7.30 \$10.95
Complete circuit in WFA/C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.30
				F0.00	·	**************************************
Subtotal - SERVICE DELIVERY IMPLEMENTOR			·····	50.00		\$36.51
*DISCONNECT*						
-INTERCONNECT SERVICE CENTER (ISC)						
Prob (.15) is percent orders that will fall out of IMA for manual handling.						
Populate required fields	3	0.150		0.45	\$40.03	\$0.30
Input order into service order processor. Type and format order for billing and provisioning	5	0.150		0.75	\$40.03	\$0.50
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150		0.45	\$40.03	\$0.30
Subtotal - INTERCONNECT SERVICE CENTER (ISC)				1.65		\$1.10

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Work floor	Time Minutes	Frab #1		rob Prob 13 M	Applied Time (Minutes)	Labor Mour H	Cost
^	ь	C	b		B*(CThruF)	П	H * (G/60)
					B (0 1.11,017)		11 (2000)
LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized (con't)							
-LOOP PROVISIONING CENTER (LPC)							
Probability is % manual work required. Reciprocal is mechanization rate.					•		
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2.83
			<del></del>				
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening	5	0.100			0.50	\$44.31	\$0.37
GOC (Generic Order Control) order log	6	0.100			0.60	\$44.31	\$0.37 \$0.44
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	\$0.44
Disconnect circuit	5	0.100			0.50	\$44.31	\$0.37
Distribute WORD (Work Order Record Detail) document	2	0.050			0.10	\$44.31	\$0.07
Subtotal - DESIGN					2.20		\$1.62
-CENTRAL OFFICE FRAMES	-4 D1 - 4 - 15 45 5						
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect		ne. 1.000			5.00	<b>#40.01</b>	40.05
Analyze order	5 2.3	2.000			5.00	\$43.81	\$3.65
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2.3	1.000			4.60 2.00	\$43.81 \$43.81	\$3.36 \$1.46
Complete work request in WPA-DI (Work Porce Administration - Dispatch in Woodie)	2	1.000			2.00	\$ <del>4</del> 3.01	\$1. <del>40</del>
Subtotal - CENTRAL OFFICE FRAMES					11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR						_	
Screen WFA (Work Force Administration) for circuit	5	1.000			5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000			5.00	\$43.81	\$3.65
And the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio					3.00	<b>\$10.01</b>	<b>40.00</b>
Subtotal - SERVICE DELIVERY IMPLEMENTOR					10.00		\$7.30
Total For Service:					141.07		\$100.56
. Auto . At Ann and .				<del></del>	171107		4.00.00

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Work Item	Time Minutes	Prob #1	**************	Prob Prob #3 #4	Applied Time (Minutes)	Labor Hour Cost
A -	В	С	D	E F	G	н — т
					B * (C Thru F)	H * (G/60)

#### LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized (con't)

3062 Direct Cost			\$100.58
3063			
3064	Cost	Cost	
3065		Fector	Cost
3066	8 0	0	E
3067 Marketing & Business Fees			***************************************
3068 Product Management Expense	D3068*E3062	0.019957	\$2.01
3069 Sales Expense	D3069*E3062	0.011877	\$1.19
3070 Product Advertising Expense	D3070°E3062	0.000000	\$0.00
3071 Business Fees (Other Operating Taxes)	D3071*Sum(E3062;E3070)	0.001483	\$0.15
3072 Total Marketing & Business Fees	Sum(E3062:E3071)	0.001700	\$3.36
3073			40.00
3074 Sub-Total Direct Cost & Marketing	E3062+E3072		\$103.92
3075			Ψ.(OO.OL
3076 Other Direct Expenses			
3077 Network Operations	D3077*E3074	0.034832	\$3.62
3078 Network Support Assets	D3078*E3074	0.014703	\$1.53
3079 General Support Assets	D3079*E3074	0.088742	\$9.22
3080 General Purpose Computers	D3080*E3074	0.043342	\$4.50
3081 Uncollectible	D3081*E3074	0.003786	\$0.39
3082 Accounting & Finance Expens∈	D3082*E3074	0.007346	\$0.76
3083 Human Resources Expense	D3083*E3074	0.008294	\$0.86
3084 Information Management Expense	D3084*E3074	0.070887	\$7.37
3085 Intangibles	D3085*E3074	0.000000	\$0.00
3086 Total Other Direct Expenses	Sum(E3077:E3085)		\$28.26
3087			
3088 TELRIC	E3077+E3086		\$132.18
3089			
3090 Common			
3091 Executive Expense	D3091*E3088	0.011267	\$1.49
3092 Planning Expense	D3092*E3088	0.000525	\$0.07
3093 External Relations Expense	D3093*E3088	0.037846	\$5.00
3094 Legal Expense	D3094*E3088	0.004717	\$0.62
3095 Other Procurement Expense	D3095*E3088	0.001860	\$0.25
3096 Research & Development Expense	D3096*E3088	0.000006	\$0.00
3097 Other General and Admin Expense	D3097*E3088	0.015064	\$1,99
3098 Common Costs	Sum(E3091;E3097)		\$9.42
3099	<del>-</del>		
3100 TELRIC + Common Costs	E3088+E3098		\$141.60

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Work them	Minutes	Prob #1	Prob Prob	Prob #4	Applied Time (Minutes)	Labor Mout	Cost
A	В	C	D =	۲	G B * (C Thru F)	Н	H * (G/60
OOP COORD INSTALL, COOP TESTING FIRST Mechanized							
<u>DD*</u>							
ITERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.	_						
Review LSR for completeness and accuracy, contractual entries	3	1.000	0.150		0.45	\$40.03	5
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150		0.01	\$40.03	
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150		0.60	\$40.03	
CPPD look-up billing USOC's for co-provider	2	1.000	0.150		0.30	\$40.03	
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150		0.30	\$40.03	
Analyze request to determine co-provider, type of order, and installation optior Determine critical dates	2.5	1.000	0.150 0.150		0.38	\$40.03	
If directory advertising or retail contract or both, issue order to remove information from account	3	1.000 0.500	0.150 0.150		0.15	\$40.03	
Populate required fields	3	1.000	0.150 0.150		0.23 0.45	\$40.03 \$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000	0.150		0.45 0.45	\$40.03 \$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	1.000	0.150		1.50	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	
Handle calls from other departments working the order	5	0.600	0.150		0.45	\$40.03	
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150		0.06	\$40.03	
A THE POSITION AND THE GOO							
ototal - INTERCONNECT SERVICE CENTER (ISC)			<del></del>		5.77		
DOP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	
btotal - LOOP PROVISIONING CENTER (LPC)					4.50		
ESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	
GOC (Generic Order Control) order log	6	0.200			1,20	\$44.31	
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	
Prepare loop input/DRI (Design Related Information)	10	0.200			2.00	\$44.31	
Circuit design	20	0.100			2.00	\$44.31	
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Distribute WORD (Work Order Record Detail) document	_	0.000				•	

<sup>-</sup>CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)
.15 probability is % orders that require manual dispatch.
.03 probability is % orders when workitem performed in unmanned office.

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob Prob	i Prob Applied Time #4 (Minutes)	Labor	Cost
A	В	Ċ	D E	F G	<del>H</del>	
				B * (C Thru F	)	H * (G/60)
LOOP COORD INSTALL, COOP TESTING FIRST Mechanized (con't)						
Our and and an	•	0.150			20 02770	<b>70.40</b>
Screen order Load work request to technician	<b>2</b> 5	0.150		0.1 0.1		\$0.19 \$0.47
Close out work request with technician	3	0.150	0.030	0.0		\$0.47 \$0.01
Subtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC,				1.0	<u> </u>	\$0.67
-CENTRAL OFFICE FRAMES						
2 probability is for cross-connects placed at Main Distributing Frame and interconnect Dist	ribution Frame.					
Analyze order	5	1.000		5.0		\$3.65
Complete cross-connect	4	2.000		8.0		\$5.84
Complete Loop Qualification	2 2	1.000 1.000		2.0		\$1.46
Record DVA (Designed, Verified, Assigned) test results Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.0 2.0		\$1.46 \$1.46
Analyze Due Date WFADI work request	2	1.000		2.0		\$1.46 \$1.46
Set up due date test with I&M technician	2	1.000		2.0		\$1.40 \$1.46
Complete due date work status with Implementor	3	1.000		3.0		\$1.40 \$2.19
	Ū	(1722		<del>~</del>	¥ .5.5.	42.10
Subtotal - CENTRAL OFFICE FRAMES				26.0	5	\$18.98
LOAD DESCRIPTION AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT AT A DISTRICT						
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC) Screen order	2	1.000		2.0	00 \$37.78	£4.0e
Load work request to technician	5	1.000		5.0		\$1.26 \$3.15
Close out work request with technician	3	1.000		3.0		\$1.89
					******	*****
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,				10.0	)	\$6.30
-INSTALLATION/FIELD TECHNICIAN						
0.2 probability is percent of time access/sai point and service terminal work required.						
Analyze order	1	1.000		1.0	0 \$42.68	\$0.71
Travel to end user premises including serving area interface and service terminal as requirec	21	1.000		21.0	0 \$42.68	\$14.94
Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200		2.6		\$1.85
Complete service terminal work.	15	0.200		3.0		\$2.13
Customer contact	5	1.000		5.0		\$3.56
Contact CCT-I (Customer Communication Technician-Implementor) to work order	3	1.000		3.0		\$2.13
Coordinate with parties to work order.	20	1.000		20.0		\$14.23
Complete performance/conformance testing Contact LRAC (Load Resource Administration Center) to close order	15 3	1.000 1.000		15.0 3.0		\$10.67
Contact Func (Fosti describe Administration Center) to close order	3	1.000		3.0	0 \$42.68	\$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN				73.60		\$52.35
-SERVICE DELIVERY_IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	15	1.000		15.0	0 \$43.81	\$10.95
Verify LNO (Local Network Operation) for circuit	10	1.000		10.0	0 \$43.81	\$7.30

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Coordinate with parties to work order.   20   1.000   20.00   \$43.81   \$14.60   Complete performance/conformance testing   15   1.000   15.00   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$	State. Obulit banda						
## (CTrnuF) #* (Geo)  ## (Conditional with parties to work order.    Coordinate with parties to work order.   20   1,000   200   \$43.81   \$14.4     Complete performance conformance betting   15   1,000   15.00   \$43.81   \$10.00     Coordinate with parties to work order.   20   1,000   15.00   \$43.81   \$10.00     Coordinate with parties to work completion   15   1,000   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$43.81   \$10.00     Coordinate with parties to work conduction   15.00   \$40.00   \$40.00     Coordinate with parties to work conduction   15.00   \$40.00   \$40.00     Coordinate with parties to work conduction   15.00   \$40.00   \$40.00     Coordinate with parties to work conduction   15.00   \$40.00   \$40.00     Coordinate work conduction   15.00   \$40.00   \$40.00     Coordinate with parties and control work conduction   15.00   \$40.00     Coordinate work conduction   15.00   \$40.00   \$40.00     Coordinate work conduction   15.00   \$40.00     Coordinate work conduction   15.00   \$40.00     Coordinate work conduction   15.00   \$40.00     C	work Hern	Minutes	#1	#2 #3 #4	(Minutes)	Hour	Cost
Coordinate with parties to work order.   20   1.000   20.00   \$43.81   \$14.60   Complete performance/conformance testing   15   1.000   15.00   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$43.81   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$31.60   \$	A	В	С			H	H * (G/60)
Complete performance/conformance testing 15 1,000 15,00 \$43.81 \$10.00 Notify customerico-provided of work completion 5 1,000 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 1	LOOP COORD INSTALL, COOP TESTING FIRST Mechanized (con't)						
Notify customer/co-provider of work completion   5   1,000   1,000   5,00   543,81   53,000   5,00   543,81   53,000   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00   5,00							\$14.6
Post order complete in WFA-C (Work Force Administration - Control Module)   10   1.000   1.000   10.00   \$43.81   \$7.5	Complete performance/conformance testing	-					\$10.9
Disconnect   Service Delivery IMPLEMENTOR   75.00   \$54.11	Notify customer/co-provider of work completion						
NTERCONNECT SERVICE CENTER (ISC)   Prob (:16) le percent orders that will fail out of IMA for manual handling.	Post order complete in WHA-C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.3
NTERCONNECT SERVICE CENTER (ISC)   Prob (.19)   spercent orders that will fail out of IMA for manual handling.     Review LSR for completeness and acouracy, contractual entries   3   0.150   0.45   \$40.03   \$0.3     Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address   2   0.150   0.30   \$40.03   \$0.2     Type, review and submit to customer the Firm Order Confirmation (FOC)   2   0.150   0.30   \$40.03   \$0.2     Input order into service order processor. Type and format order for billing and provisioning   10   0.150   0.150   0.45   \$40.03   \$0.2     Input order into service order processor. Type and format order for billing and provisioning   3   0.150   0.45   \$40.03   \$0.2     Ensure order is successfully distributed to the systems and is ready for provisioning   3   0.150   0.45   \$40.03   \$0.3     Ensure order is successfully distributed to the systems and is ready for provisioning   3   0.150   0.45   \$40.03   \$0.3     Ensure Order is successfully distributed to the systems and is ready for provisioning   3   0.150   0.45   \$40.03   \$0.3     Ensure Order is successfully distributed to the systems and is ready for provisioning   3   0.150   0.45   \$40.03   \$0.3     Ensure Order is successfully distributed to the systems and is ready for provisioning   3   0.150   0.45   \$40.03   \$0.3     Ensure Order is Ensure Centre (ISC)   3.45   \$2.8     Copp Provisioning Center (ICC)   4.50   \$3.7.78   \$2.8     Estimal (Request for manual assistance)   11.25   0.400   4.50   \$3.7.78   \$2.8     Estimal (Request for manual assistance)   5   0.100   0.50   \$44.31   \$0.3     Estimal (Request for manual assistance)   5   0.100   0.50   \$44.31   \$0.3     Estimal (Request for Control) order log   6   0.100   0.50   \$44.31   \$0.3     Estimal (Price Frames)   5   0.100   0.50   \$44.31   \$0.3     Estimal OFFICE Frames   2   0.050   5.00   \$44.31   \$0.3     Estimal OFFICE Frames   2   0.050   5.00   \$43.81   \$3.3     Entrance order   5   0.000   5.00   \$43.81   \$3.3     Entrance order   5   0.000	Subtotal - SERVICE DELIVERY IMPLEMENTOR				75.00		\$54.7
Prob (.15)   spercent orders that will fall out of IMA for manual handling.	*DISCONNECT*						
Review LSR for completeness and accuracy, contractual entries   3 0.150   0.45   \$40.03   \$0.25	-INTERCONNECT SERVICE CENTER (ISC)						
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.							
Type, review and submit to customer the Firm Order Confirmation (FOC) 2 0.150 0.30 \$40.03 \$0.2   Input order into service order processor. Type and format order for billing and provisioning 10 0.150 1.50 \$40.03 \$0.3   Input order into service order processor. Type and format order for billing and provisioning 3 0.150 0.45 \$40.03 \$0.3   Input order into service order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0.3   Input order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order into service Centrer (ISC) 0.45 \$40.03 \$0.3   Input order int							\$0.3
Injust order into service order processor. Type and format order for billing and provisioning   10   0.150   0.150   0.45   \$40.03   \$1.05   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   \$40.03   \$0.35   0.150   0.45   0.450   \$3.45   \$3.37.78   \$3.28   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150   0.150							
Populate required fields							
Ensure order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0.3 \$0.3 \$0.3 \$0.3 \$0.3 \$0.3 \$0.3							
Coop PROVISIONING CENTER (LPC)							\$0.30
Probability is % manual work required. Reciprocal is mechanization rate.	Subtotal - INTERCONNECT SERVICE CENTER (ISC;				3.45		\$2.30
Clear RMÁ (Request for manual assistance)	-LOOP PROVISIONING CENTER (LPC)						
ESIGN   Probabilities are % manual work required. Reciprocal is mechanization rate.   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign   Sign							
Probabilities are % manual work required. Reciprocal is mechanization rate.	Clear RMA (Request for manual assistance)	11.25	0.400		4.50	\$37.78	\$2.83
Probabilities are % manual work required. Reciprocal is mechanization rate.   Order handling/screening   0.50	Subtotal - LOOP PROVISIONING CENTER (LPC)				4.50		\$2.83
Order handling/screening       5       0.100       0.50       \$44.31       \$0.3         GOC (Generic Order Control) order log       6       0.100       0.60       \$44.31       \$0.3         Enter WA (Work Authorization) mask       5       0.100       0.50       \$44.31       \$0.3         Disconnect circuit       5       0.100       0.50       \$44.31       \$0.3         Distribute WORD (Work Order Record Detail) document       2       0.050       0.10       \$44.31       \$0.3         SENTRAL OFFICE FRAMES       2       2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.       Analyze order       5       1.000       5.00       \$43.81       \$3.6         Remove cross-connect       2.3       2.000       4.60       \$43.81       \$3.3         Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)       2       1.000       2.00       \$43.81       \$1.4	-DESIGN						
GOC (Generic Order Control) order log 6 0.100 0.60 \$44.31 \$0.4 Enter WA (Work Authorization) mask 5 0.100 0.50 \$44.31 \$0.3 Disconnect circuit 5 0.100 0.50 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 3 0.00 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 3 0.00 \$43.81 \$3.6 Distribute WORD (Work Order Record Detail) document 3 0.00 \$43.81 \$3.6 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$3.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$43.81 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$1.4 Distribute WORD (Work Force Administration - Dispatch In Module) 2 0.00 \$1.4 Distribute WORD (Work Force Admin							
Enter WA (Work Authorization) mask 5 0.100 0.50 \$44.31 \$0.3 Disconnect circuit 5 0.100 0.50 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.0 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 \$44.31 \$0.3 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute WORD (Work Order Record Detail) document 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.10 Distribute 2 0.050 0.1		_					\$0.37
Disconnect circuit   5   0.100   0.50   \$44.31   \$0.3   \$0.50   \$44.31   \$0.3   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$44.31   \$0.50   \$45.50   \$44.31   \$0.50   \$45.50   \$44.31   \$0.50   \$45.50   \$44.31   \$0.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.50   \$45.5						•	* -
Distribute WORD (Work Order Record Detail) document   2 0.050   0.10 \$44.31 \$0.00							\$0.37
### 2.20 \$1.6  ###################################							
ENTRAL OFFICE FRAMES  2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.  Analyze order 5 1.000 5.00 \$43.81 \$3.6  Remove cross-connect 2.3 2.000 4.60 \$43.81 \$3.3  Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2 1.000 2.00 \$43.81 \$1.4	Distribute WORD (Work Order Record Detail) document	2	0.050		0.10	\$44.31	\$0.07
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.  Analyze order 5 1.000 5.00 \$43.81 \$3.6  Remove cross-connect 2.3 2.000 4.60 \$43.81 \$3.3  Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2 1.000 5.00 \$43.81 \$3.3	Subtotal - DESIGN				2.20		\$1.62
Analyze order       5       1.000       5.00       \$43.81       \$3.6         Remove cross-connect       2.3       2.000       4.60       \$43.81       \$3.3         Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)       2       1.000       2.00       \$43.81       \$1.4	-CENTRAL OFFICE FRAMES						
Remove cross-connect 2.3 2.000 4.60 \$43.81 \$3.3 Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2 1.000 2.00 \$43.81 \$1.4						*** -:	
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module) 2 1.000 2.00 \$43.81 \$1.4		_				T	\$3.65
ibtotel - CENTRAL OFFICE FRAMES 11.60 \$8.4	Complete work request in WHA-DI (Work Force Administration - Dispatch in Module)	2	1.000		2.00	ক43.81	\$1.46
	Subtotal - CENTRAL OFFICE FRAMES				11.60	•	\$8.47

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Item	Time Minutes	Prob	Prob Prob	Prob Applied Time #4 (Minutes)	Labor Nour	Cost
A	В	С	D E	F G B*(C Thru F)	Н	1 H * (G/60)
				2 (3 111141)		11 (0,00)
LOOP COORD INSTALL, COOP TESTING FIRST Mechanized (con't)						
-SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	5	1.000		5.00	\$43.81	\$3.65
Contact customer	5	1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.95
Total For Service:				239.48		\$170.95

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work from	Time Minutes	Prob Prob	Prob Prob		abor Hour Cost
^	5		<u> </u>	B * (C Thru F)	H + (G/60)

#### LOOP COORD INSTALL, COOP TESTING FIRST Mechanized (con't)

3287 Direct Cost			\$170.95
3288			********
3289	Cost	Cost	
3290		ector	Cost
3291	В	D	E
3292 Marketing & Business Fees			
3293 Product Management Expense	D3293*E3287	0.019957	\$3.41
3294 Sales Expense	D3294°E3287	0.011877	\$2.03
3295 Product Advertising Expense	D3295*E3287	0.000000	\$0.00
3296 Business Fees (Other Operating Taxes)	D3296*Sum(E3287;E3295)	0.001483	\$0.26
3297 Total Marketing & Business Fees	Sum(E3287:E3296)		\$5.70
3298			
3299 Sub-Total Direct Cost & Marketing	E3287+E3297		\$176.66
3300	<del></del>		
3301 Other Direct Expenses			
3302 Network Operations	D3302*E3299	0.034832	\$6.15
3303 Network Support Assets	D3303*E3299	0.014703	\$2.60
3304 General Support Assets	D3304*E3299	0.088742	\$15.68
3305 General Purpose Computers	D3305*E3299	0.043342	\$7.66
3306 Uncollectible	D3306*E3299	0.003786	\$0.67
3307 Accounting & Finance Expense	D3307*E3299	0.007346	\$1.30
3308 Human Resources Expense	D3308*E3299	0.008294	\$1.47
3309 Information Management Expens∈	D3309*E3299	0.070887	\$12.52
3310 Intangibles	D3310*E3299	0.000000	\$0.00
3311 Total Other Direct Expenses	Sum(E3302:E3310)		\$48.04
3312			
3313 TELRIC	E3302+E3311		\$224.70
3314			
3315 Common			
3316 Executive Expense	D3316*E3313	0.011267	\$2.53
3317 Planning Expense	D3317*E3313	0.000525	\$0.12
3318 External Relations Expens€	D3318*E3313	0.037846	\$8.50
3319 Legal Expense	D3319°E3313	0.004717	\$1.06
3320 Other Procurement Expense	D3320*E3313	0.001860	\$0.42
3321 Research & Development Expense	D3321*E3313	0.000006	\$0.00
3322 Other General and Admin Expense	D3322*E3313	0.015064	\$3.38
3323 Common Costs	Sum(E3316:E3322)		\$16.02
3324			
3325 TELRIC + Common Costs	E3313+E3323		\$240.71

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rent	Time Minutes	Prob #1	#2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D "	E F	G B * (C Thru F)	н —	H * (G/60)
OOP COORD INSTALL, COOP TESTING EA ADDL Mechanized							
ADD*							
INTERCONNECT SERVICE CENTER (ISC)							
.6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.	_						
Populate required fields	3 5	1.000	0.150		0.45	\$40.03	\$0
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	3 3	1.000 1.000	0.150 0.150		0.75 0.45	\$40.03 \$40.03	\$0 \$0
Handle calls from other departments working the order	1	0.600	0.150		0.45	\$40.03	\$( \$(
Handle issues including conditioning, facility, cable&pair	i	0.080	0.150		0.01	\$40.03	\$0
subtotal - INTERCONNECT SERVICE CENTER (ISC.					1.75		
WOIDER - INTERCONNECT SERVICE CENTER (ISC,	<del></del>			<del></del>	1.75		
LOOP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							_
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$
ubtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$
DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	\$0
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0
Enter WA (Work Authorization) mask	.5	0.100			0.50	\$44.31	\$0
Prepare loop input/DRI (Design Related Information)	10	0.200 0.100			2.00	\$44.31	\$1
Circuit design Distribute WORD (Work Order Record Detail) document	20 2	0.100			2.00 0.10	\$44.31 \$44.31	\$ <sup>-</sup> \$(
Distribute World (Work Order Necota Detail) accomment	2	0.050			0.10	<del>944</del> ,31	Ψυ
ubtotal - DESIGN					6.80		\$5
CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)							
.15 probability is % orders that require manual dispatch.							
.03 probability is % orders when workitem performed in unmanned office.	_					_	
Screen order	2	0.150			0.30	\$37.78	\$0
Load work request to technician	5 3	0.150 0.150	0.030		0.75	\$37.78 \$37.78	\$0
Close out work request with technician	3	0.150	0.030		0.01	\$37.78	\$0
ubtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC,					1.06		\$0
CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Dis	stribution Frame.						
Analyze order	5	1.000			5.00	\$43.81	\$3

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Bern	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D	Ē	F	G B * (C Thru F)	Н	I H * (G/60)
LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized (con't)								
Complete cross-connect	4	2.000				8.00	\$43.81	\$5.84
Complete Loop Qualification	2 2	1.000 1.000				2.00	\$43.81 \$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results  Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000				2.00 2.00	\$43.81 \$43.81	\$1.46 \$1.46
Analyze Due Date WFADI work request	1	1.000				1.00	\$43.81	\$0.73
Set up due date test with I&M technician	1	1.000				1.00	\$43.81	\$0.73
Complete due date work status with Implementor	1	1.000				1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES						22.00		\$16.06
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)								
Screen order	2	1.000				2.00	\$37.78	\$1.26
Load work request to technician	5	1.000				5.00	\$37.78	\$3.15
Close out work request with technician	3	1.000				3.00	\$37.78	\$1.89
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,						10.00		\$6.30
-INSTALLATION/FIELD TECHNICIAN								
0.2 probability is percent of time access/sai point and service terminal work required.								
Complete AP/SAC (Access Point/Serving Area Interface) wiring	10	0.200				2.00	\$42.68	\$1.42
Complete service terminal work.  Complete performance/conformance testing	10 10	0.200 1.000				2.00 10.00	\$42.68 \$42.68	\$1.42 \$7.11
Close order with LRAC (Load Resource Administration Center).	1	1.000				1.00	\$42.68	\$0.71
Subtotal - INSTALLATION/FIELD TECHNICIAN				<u>.</u>		15.00		\$10.67
-SERVICE DELIVERY IMPLEMENTOR		_	·	<del>-</del>				***
Screen WFA (Work Force Administration) for circuit	15	1.000				15.00	\$43.81	\$10.95
Verify LNO (Local Network Operation) for circuit	10	1.000				10.00	\$43.81	\$7.30
Complete performance/conformance testing	15	1.000				15.00	\$43.81	\$10.95
Post order complete in WFA-C (Work Force Administration - Control Module)	10	1.000				10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR		<del></del>				50.00		\$36.51
*DISCONNECT*								
-INTERCONNECT SERVICE CENTER (ISC)								
Prob (.15) is percent orders that will fall out of IMA for manual handling.								
Populate required fields	3	0.150				0.45	\$40.03	\$0.30
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	5 3	0.150 0.150				0.75 0.45	\$40.03 \$40.03	\$0.50
Ensure order is successibly distributed to the systems and is ready for provisioning		U. 15U				U.45	φ40.03	\$0.30
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						1.65		\$1.10

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

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	Time	Prob	Prob Prob	Prob Applied Time	Labor	
Work Nami A	Minutes B	#1 C	#2 #8 D E	# (Minutes) F G B*(C Thru F)	Afour H	Cost   
LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized (con't)				. ( ,		(4)
-LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required. Reciprocal is mechanization rate.  Clear RMA (Request for manual assistance)	11.25	0.400		4.50	\$37.78	\$2.8
Subtotal - LOOP PROVISIONING CENTER (LPC)				4.50		\$2.8
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
Order handling/screening	5	0.100		0.50	\$44.31	\$0.3
GOC (Generic Order Control) order log	6	0.100		0.60	\$44.31	\$0,4
Enter WA (Work Authorization) mask Disconnect circuit	5	0.100 0.100		0.50 0.50	\$44.31 \$44.31	\$0.3° \$0.3°
Distribute WORD (Work Order Record Detail) document	2	0.050		0.10	\$44.31	\$0.0
Subtotal - DESIGN				2.20		\$1.6
-CENTRAL OFFICE FRAMES						
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect	Distribution Fran	ne.				
Analyze order	5	1.000		5.00	\$43.81	\$3.69
Remove cross-connect	2.3	2.000		4.60	\$43.81	\$3.36
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				11.60		\$8.4
-SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	5	1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR			······································	10.00		\$7.30
Total For Service:	<del></del>	<del></del>	<del></del>	141.07	<u> </u>	\$100.56

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
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esano una nonesa esagun ori minaren errado il <b>Work hem</b> de esano de esano esa esano e	Time Minutes	Prob #1		rab Prab 83 M		Labor Atour Cost
A	В		D	Ë F	- G	н
					B * (C Thru F)	H * (G/60)

# LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized (con't)

3467 Direct Cost		\$10	00.58
3468			
3469		Cost	
3470	Galculation F	actor Cos	d
3471	8 6	D E	
3472 Marketing & Business Fees			
3473 Product Management Expens∈	D3473*E3467	0.019957 \$	\$2.01
3474 Sales Expense	D3474*E3467	0.011877 \$	\$1.19
3475 Product Advertising Expense	D3475*E3467	0.000000 \$	00.00
3476 Business Fees (Other Operating Taxes)	D3476*Sum(E3467:E3475)	0.001483 \$	<u> 0.15</u>
3477 Total Marketing & Business Fees	Sum(E3467:E3476)		3.36
3478			
3479 Sub-Total Direct Cost & Marketing	E3467+E3477	\$10	3.92
3480			
3481 Other Direct Expenses			
3482 Network Operations	D3482*E3479	0.034832 \$	3.62
3483 Network Support Assets	D3483*E3479	0.014703 \$	1.53
3484 General Support Assets	D3484*E3479	0.088742 \$	9.22
3485 General Purpose Computers	D3485*E3479	0.043342 \$	4.50
3486 Uncollectible	D3486*E3479	0.003786 \$	0.39
3487 Accounting & Finance Expens∈	D3487*E3479	0.007346 \$	0.76
3488 Human Resources Expense	D3488*E3479	0.008294 \$	0.86
3489 Information Management Expense	D3489°E3479	0.070887 \$	7.37
3490 Intangibles	D3490*E3479	0.000000 \$6	00.08
3491 Total Other Direct Expenses	Sum(E3482:E3490)	\$2	8.26
3492			
3493 TELRIC	E3482+E3491	\$13	32.18
3494	<u> </u>		
3495 Common			
3496 Executive Expense			1.49
3497 Planning Expens∈			0.07
3498 External Relations Expense			5.00
3499 Legal Expense			0.62
3500 Other Procurement Expense			0.25
3501 Research & Development Expense	D3501*E3493		00.0
3502 Other General and Admin Expense	D3502*E3493		1.99
3503 Common Costs	Sum(E3496:E3502)	\$1	9.42
3504			_
3505 TELRIC + Common Costs	E3493+E3503	\$14	1.60

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Mork them	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	С	Ъ	E F	G B * (C Thru F)	Н	H * (G
OP COORD INSTALL WITHOUT TESTING FIRST Mechanized							
<del>0</del> D*							
TERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.							
Review LSR for completeness and accuracy, contractual entries	3	1.000	0.150		0.45	\$40.03	
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150		0.01	\$40.03	
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150		0.60	\$40.03	
CPPD look-up billing USOC's for co-provider	2	1.000	0.150		0.30	\$40.03	
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150		0.30	\$40.03	
Analyze request to determine co-provider, type of order, and installation optior	2.5	1.000	0.150		0.38	\$40.03	
Determine critical dates	1	1.000	0.150		0.15	\$40.03	
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150		0.23	\$40.03	
Populate required fields	3 3	1.000 1.000	0.150 0.150		0.45	\$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning	3 10	1.000	0.150		0.45 1.50	\$40.03 \$40.03	
Ensure order into service order processor. Type and format order for bining and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	
Handle calls from other departments working the order	5	0.600	0.150		0.45	\$40.03	
Handle issues including conditioning, facility, cable&pair	5	0.000	0.150		0.45	\$40.03	
otal - INTERCONNECT SERVICE CENTER (ISC)					5.77		
OP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	
otal - LOOP PROVISIONING CENTER (LPC)					4.50		
<u>sign</u>							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	
Prepare loop input/DRI (Design Related Information)	10	0.200			2.00	\$44.31	
Circuit design	20	0.100			2.00	\$44.31	
Distribute WORD (Work Order Record Detail) document	2	0.050			0.10	\$44.31	
otal - DESIGN					6.80		
NTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Distri							
Analyze order	5	1.000			5.00	\$43.81	

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prob Prob Applied Time	Labor	
Work (bern	Minutes B	#1 C	<b>2 13 14 (Minutes)</b> D E F G	/Hour	Cost
		_	B * (C Thru F)		H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized (con't)					
Complete cross-connect	4	2.000	8.00	\$43.81	\$5.84
Complete Loop Qualification Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2 2	1.000 1.000	2.00 2.00	\$43.81 \$43.81	\$1.46 \$1.46
Post DVA work complete is VVFA-DI (VVORK Porce Administration - Dispatch in Module)	2	1.000	2.00	<b>⊅4</b> 3.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES			17.00		\$12.41
-SERVICE DELIVERY IMPLEMENTOR					
Screen WFA (Work Force Administration) for circuit	10	1.000	10.00	\$43.81	\$7.30
Verify LNO (Local Network Operation) for circuit	5	1.000	5.00	\$43.81	\$3.65
Notify customer/co-provider of work completion	5	1.000	5.00	\$43.81	\$3.65
Post order complete in WFA-C (Work Force Administration - Control Module)	10	1.000	10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR			30.00		\$21.91
*DISCONNECT*					
-INTERCONNECT SERVICE CENTER (ISC)					
Prob (.15) is percent orders that will fall out of IMA for manual handling.					
Review LSR for completeness and accuracy, contractual entries	3	0.150	0.45	\$40.03	\$0.30
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	0.150	0.30	\$40.03	\$0.20
Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning	2 10	0.150 0.150	0.30 1.50	\$40.03 \$40.03	\$0.20
Populate required fields	3	0.150	0.45	\$40.03	\$1.00 \$0.30
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150	0.45	\$40.03	\$0.30
Subtotal - INTERCONNECT SERVICE CENTER (ISC;			3.45		\$2.30
			3.40		\$2.50
-LOOP PROVISIONING CENTER (LPC)  Probability is % manual work required. Reciprocal is mechanization rate.					
Clear RMA (Request for manual assistance)	11.25	0.400	4.50	\$37.78	\$2.83
					•
Subtotal - LOOP PROVISIONING CENTER (LPC)			4.50		\$2.83
-DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.					
Order handling/screening	5	0.100	0.50	\$44.31	\$0.37
GOC (Generic Order Control) order log Enter WA (Work Authorization) mask	6 5	0.100 0.100	0.60	\$44.31	\$0.44 \$0.27
Disconnect circuit	5 5	0.100	0.50 0.50	\$44.31 \$44.31	\$0.37 \$0.37
Disconnect circuit Distribute WORD (Work Order Record Detail) document	2	0.100	0.50	\$44.31	\$0.37 \$0.07
Subtotal - DESIGN			2.20		\$1.62

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Minutes)	Lebor /Hour	Cost
A	В	Ċ	D E	F G B*(C Thru F)	Н	H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized (con't)				2 (3 1141)		11 (0.00)
-CENTRAL OFFICE FRAMES						
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect	Distribution Fram				***	
Analyze order Remove cross-connect	2.3	1.000 2.000		5.00 4.60	\$43.81 \$43.81	\$3.65 \$3.36
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	5	1.000		5.00	\$43.81	\$3.65
Contact customer	5	1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.95
Total For Service:				100.82		\$72.20

Study Name: NONRECURRING ELEMENTS

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Time Inutes B	Prob #1 C	Prob #2 D	Proti #3 E	Prob M F	Applied Time (Minutes) G	Labor Mour H	Cost
					B * (C Thru F)		H * (G/60)

## LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized (con't)

3647 Direct Cort			\$72.20
3648			S CONTROL CONTROL OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY
3649	Cost	Cost	
3650	Calculation	Factor	Cost
3651	T B C	D	E
3652 Marketing & Business Fees			
3653 Product Management Expens∈	D3653*E3647	0.019957	\$1.44
3654 Sales Expense	D3654*E3647	0.011877	\$0.86
3655 Product Advertising Expense	D3655*E3647	0.000000	\$0.00
3656 Business Fees (Other Operating Taxes)	D3656*Sum(E3647;E3655)	0.001483	\$0.1 <u>1</u>
3657 Total Marketing & Business Fees	Sum(E3647:E3656)		\$2.41
3658			
3659 Sub-Total Direct Cost & Marketing	E3647+E3657		\$74,61
3660			
3661 Other Direct Expenses			
3662 Network Operations	D3662*E3659	0.034832	\$2.60
3663 Network Support Assets	D3663*E3659	0.014703	\$1.10
3664 General Support Assets	D3664*E3659	0.088742	\$6.62
3665 General Purpose Computers	D3665*E3659	0.043342	\$3.23
3666 Uncollectible	D3666*E3659	0.003786	\$0.28
3667 Accounting & Finance Expense	D3667*E3659	0.007346	\$0.55
3668 Human Resources Expense	D3668*E3659	0.008294	\$0.62
3669 Information Management Expense	D3669*E3659	0.070887	\$5.29
3670 Intangibles	D3670*E3659	0.000000	\$0.00
3671 Total Other Direct Expenses	Sum(E3662:E3670)		\$20.29
3672			
3673 TELRIC	E3662+E3671		\$94.90
3674			
3675 Common			
3676 Executive Expense	D3676*E3673	0.011267	\$1.07
3677 Planning Expense	D3677*E3673	0.000525	\$0.05
3678 External Relations Expens€	D3678*E3673	0.037846	\$3.59
3679 Legal Expense	D3679°E3673	0.004717	\$0.45
3680 Other Procurement Expense	D3680*E3673	0.001860	\$0.18
3681 Research & Development Expense	D3681*E3673	0.000006	\$0.00
3682 Other General and Admin Expense	D3682*E3673	0.015064	\$1.43
3683 Common Costs	Sum(E3676:E3682)		\$6.77
3684			A-12 / 2-1
3885 TELRIC + Common Costs	E3673+E3683	<u> </u>	\$101.67

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time	Prot	Prob	Prob Prob	Applied Time	Labor	
Mork them	Minutes		#2	<i>K</i> 3 <i>F</i> 4	(Minutes)	Mour	Cost
^	В	c -	D	E F	G B*(CThruF)	Н	ا H * (G/60)
					B (O IIIIdi)		11 (G/00)
LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized							
*ADD*							
<del></del>							
-INTERCONNECT SERVICE CENTER (ISC)							
.6, .08 probabilities is percent of time this activity will occur.  Prob (.15) is percent orders that will fall out of IMA for manual handling.							
Populate required fields	3	1.000	0.150		0.45	\$40.03	\$0.30
Input order into service order processor. Type and format order for billing and provisioning	5	1.000	0.150		0.75	\$40.03	\$0.50
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	\$0.30
Handle calls from other departments working the order	1	0.600	0.150		0.09	\$40.03	\$0.06
Handle issues including conditioning, facility, cable&pail	1	0.080	0.150		0.01	\$40.03	\$0.01
Subtotal - INTERCONNECT SERVICE CENTER (ISC)				· - · · · · · · · · · · · · · · · · · ·	1.75		\$1.17
-LOOP PROVISIONING CENTER (LPC)						-	
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2.83
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	\$0.74
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0.89
Enter WA (Work Authorization) mask	.5	0.100			0.50	\$44.31	\$0.37
Prepare loop input/DRI (Design Related Information)	10	0.200 0.100			2.00	\$44.31	\$1.48
Circuit design Distribute WORD (Work Order Record Detail) document	20 2	0.100			2.00 0.10	\$44.31 \$44.31	\$1.48 \$0.07
Distribute WOND (Work Order Necord Detail) document	2	0.050			0.10	<del>Ф44</del> .31	\$0.07
Subtotal - DESIGN					6.80		\$5.02
-CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect D	istribution Frame						
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Complete cross-connect	4	2.000			8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000			2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES					17.00		\$12.41
-SERVICE DELIVERY IMPLEMENTOR							<del></del>
Screen WFA (Work Force Administration) for circuit	10	1.000			10.00	\$43.81	\$7.30
Verify LNO (Local Network Operation) for circuit	5	1.000			5.00	\$43.81	\$3.65
and American and an arrangement of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the secon	-	·			3.44	+	45.50

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor Mour	Cost
Å	В	С	D E F	G B * (C Thru F)	Н	H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized (con't)						
Post order complete in WFA-C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				25.00	<del>.</del>	_\$18.25
*DISCONNECT*						
-INTERCONNECT SERVICE CENTER (ICS)						
Prob (.15) is percent orders that will fall out of IMA for manual handling.	3	0.150		0.45	\$40.03	\$0.30
Populate required fields Input order into service order processor. Type and format order for billing and provisioning	3 5	0.150		0.45 0.75	\$40.03	\$0.30 \$0.50
Ensure order into service order processor. Type and format order for bining and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150		0.75	\$40.03	\$0.30 \$0.30
Subtotal - INTERCONNECT SERVICE CENTER (ICS)		<u> </u>		1.65		\$1.10
-LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required. Reciprocal is mechanization rate.	44.05	0.400		4.50	007.70	***
Clear RMA (Request for manual assistance)	11.25	0.400		4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)				4.50		\$2.83
-DE <u>SIGN</u>						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
Order handling/screening	5	0.100		0.50	\$44.31	\$0.37
GOC (Generic Order Control) order log	6	0.100		0.60	\$44.31	\$0.44
Enter WA (Work Authorization) mask Disconnect circuit	5 5	0.100 0.100		0.50	\$44.31 \$44.31	\$0.37 \$0.37
Disconnect circuit Distribute WORD (Work Order Record Detail) document	2	0.100		0.50 0.10	\$44.31 \$44.31	\$0.37 \$0.07
Distribute WORD (Work Order Necord Detail) document	2	0.000		Ų.10	ψ-1.01	φ0.01
Subtotal - DESIGN				2.20		\$1.62
-CENTRAL OFFICE FRAMES						
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2.3 2	2.000 1.000		4.60 2.00	\$43.81 \$43.81	\$3.36 \$1.46
Complete work request in WEA-DI (Work Force Administration - Dispatch in Module)		1.000		2.00	φ43.01	•
Subtotal - CENTRAL OFFICE FRAMES				11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	5	1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				10.00		\$7.30

Study Name: NONRECURRING ELEMENTS

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Work Real A	Time Minutes B	Prob #1 C	Prot Prot #2 #3 D E	Prot: Applied Time #1 (Minutes) F G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized (con't)

Total For Service:	<del></del>	85.00	\$61.02
	<del></del>	<del></del>	

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work thin A	Time Minutes B	ods <b>Prof</b> i 12 #3 D E	Prob Applied Time #4 (Minutes) F G	Labor Mour Cost H I
			B * (C Thru F)	H * (G/60)

## LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized (con't)

3827 Direct Cost			561.02
3828			Section of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section Control of the Section
3829	Cost	Cost	
3830	Calculation	Fector	Cost
3831	ВС		E
3832 Marketing & Business Fees			
3833 Product Management Expense	D3833*E3827	0.019957	\$1.22
3834 Sales Expense	D3834*E3827	0.011877	\$0.72
3835 Product Advertising Expense	D3835*E3827	0.000000	\$0.00
3836 Business Fees (Other Operating Taxes)	D3836*Sum(E3827:E3835)	0.001483	\$0.09
3837 Total Marketing & Business Fees	Sum(E3827:E3836)	0.001.00	\$2.04
3838			<u> </u>
3839 Sub-Total Direct Cost & Marketing	E3827+E3837		\$63.06
3840			100.00
3841 Other Direct Expenses			
3842 Network Operations	D3842*E3839	0.034832	\$2.20
3843 Network Support Assets	D3843*E3839	0.014703	\$0.93
3844 General Support Assets	D3844*E3839	0.088742	\$5.60
3845 General Purpose Computers	D3845*E3839	0.043342	\$2.73
3846 Uncollectible	D3846*E3839	0.003786	\$0.24
3847 Accounting & Finance Expense	D3847*E3839	0.007346	\$0.46
3848 Human Resources Expense	D3848*E3839	0.008294	\$0.52
3849 Information Management Expense	D3849*E3839	0.070887	\$4.47
3850 intangibles	D3850*E3839	0.000000	\$0.00
3851 Total Other Direct Expenses	Sum(E3842:E3850)		\$17.15
3852			<u> </u>
3853 TELRIC	E3842+E3851		\$80.21
3854			-
3855 Common			
3856 Executive Expense	D3856*E3853	0.011267	\$0.90
3857 Planning Expens∈	D3857*E3853	0.000525	\$0.04
3858 External Relations Expens∈	D3858*E3853	0.037846	\$3.04
3859 Legal Expense	D3859*E3853	0.004717	\$0.38
3860 Other Procurement Expense	D3860*E3853	0.001860	\$0.15
3861 Research & Development Expense	D3861*E3853	0.000006	\$0.00
3862 Other General and Admin Expense	D3862*E3853	0.015064	\$1.21
3863 Common Costs	Sum(E3856:E3862)		\$5.72
3864			
3865 TELRIC + Common Costs	E3853+E3863		\$85.92

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1.00

1.20

0.50

2.00

2.00

0.10

6.80

\$44.31

\$44.31

\$44.31

\$44.31

\$44.31

\$44.31

\$0.74

\$0.89 \$0.37

\$1.48

\$1.48

\$0.07

\$5.02

Work tem	Time Minutes	Prob #)	Prob #2	Prob Prob	Applied Time (Minutes)	Lebor /Hoss	Cost
<b>A</b>	В	C	D	E F	G B * (C Thru F)	H	H * (G/60)
OOP BASIC INSTALL COOP TESTING FIRST Mechanized							
ADD*							
NTERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Prob (.15) is percent orders that will fall out of IMA for manual handling.	_						
Review LSR for completeness and accuracy, contractual entries	3	1.000	0.150		0.45	\$40.03	\$0.
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150		0.01	\$40.03	\$0.
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150		0.60	\$40.03	\$0.
CPPD look-up billing USOC's for co-provider	2	1.000	0.150		0.30	\$40.03	\$0.
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150		0.30	\$40.03	\$0.
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150		0.38	\$40.03	\$0.
Determine critical dates	1	1.000	0.150		0.15	\$40.03	\$0.
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150		0.23	\$40.03	\$0.
Populate required fields	3	1.000	0.150		0.45	\$40.03	\$0.
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000	0.150		0.45	\$40.03	\$0
Input order into service order processor. Type and format order for billing and provisioning	10	1.000	0.150		1.50	\$40.03	\$1.
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	\$0.
Handle calls from other departments working the order	5	0.600	0.150		0.45	\$40.03	\$0.
Handle issues including conditioning, facility, cable&pail	5	0.080	0.150		0.06	\$40.03	\$0.
ıbtotal - INTERCONNECT SERVICE CENTER (ISC)					5.77		\$3.
OOP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance.							
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.
ubtotal - LOOP PROVISIONING CENTER (LPC)		<del></del> _	<del></del>		4.50		\$2.8

0.200

0.200

0.100

0.200

0.100

0.050

5

6

5

10

20

### -CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)

Distribute WORD (Work Order Record Detail) document

Order handling/screening

Circuit design

Subtotal - DESIGN

Probabilities are % manual work required. Reciprocal is mechanization rate.

GOC (Generic Order Control) order log
2 probability is for cross-connects placed at Main Distributing Frame and Single Point of Terminat
Prepare loop input/DRI (Design Related Information)

<sup>.15</sup> probability is % orders that require manual dispatch.

<sup>.03</sup> probability is % orders when workitem performed in unmanned office.

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and the first of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Time Minutes	Prob #1	Prob #2	Proh Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	С	D	E F	G	H	T
					B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)							
Screen order	2	0.150			0.30	\$37.78	\$0.19
Load work request to technician	5	0.150			0.75	\$37.78	\$0.47
Close out work request with technician	3	0.150	0.030		0.01	\$37.78	\$0.01
Subtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC,		·			1.06		\$0.67
-CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Dis					F 00	040.04	
Analyze order Complete cross-connect	5 4	1.000 2.000			5.00 8.00	\$43.81 \$43.81	\$3.65 \$5.84
Complete Loop Qualification	2	1.000			2.00	\$43.81	\$5.64 \$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000			2.00	\$43.81	\$1.46 \$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1,000			2.00	\$43.81	\$1.46
Analyze Due Date WFADI work request	2	1.000			2.00	\$43.81	\$1.46
Set up due date test with I&M technician	2	1.000			2.00	\$43.81	\$1.46
Complete due date work status with Implementor	3	1.000			3.00	\$43.81	\$2.19
Subtotal - CENTRAL OFFICE FRAMES	·				26.00		\$18.98
LOAD DECOUDOE ADMINISTRATION OFFITER (LDAG)				····		· ·	
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC) Screen order	2	1.000			2.00	\$37.78	\$1,26
Load work request to technician	5	1.000			5.00	\$37.78	\$3.15
Close out work request with technician	3	1.000			3.00	\$37.78	\$1.89
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,				<del>-</del>	10.00		\$6.30
SUBICIAL - LOND RESCONCE ADMINISTRATION CENTER (ETAO)					10.00		40.30
-INSTALLATION/FIELD TECHNICIAN							
0.2 probability is percent of time access/sal point and service terminal work required.	1	1.000			4.00	\$42.68	60.74
Analyze order	21	1.000			1.00	\$42.68	\$0.71
Travel to end user premises including serving area interface and service terminal as required Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200			21.00 2.60	\$42.68	\$14.94 \$1.85
Complete service terminal work.	15	0.200			3.00	\$42.68	\$1.00 \$2.13
Customer contact	5	1.000			5.00	\$42.68	\$3.56
Contact CCT-I (Customer Communication Technician-Implementor) to work order	3	1.000			3.00	\$42.68	\$2.13
Complete performance/conformance testing	15	1.000			15.00	\$42.68	\$10.67
Contact LRAC (Load Resource Administration Center) to close order	3	1.000			3.00	\$42.68	\$2.13
				. <u>—_</u>			<b></b>
Subtotal - INSTALLATION/FIELD TECHNICIAN			<u></u>		53.60		\$38.13
-SERVICE DELIVERY IMPLEMENTOR							
Screen WFA (Work Force Administration) for circuit	15	1.000			15.00	\$43.81	\$10.95
Verify LNO (Local Network Operation) completion	10	1.000			10.00	\$43.81	\$7.30
Complete performance testing	15	1.000			15.00	\$43.81	\$10.95

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	Minutes	#1	#2 #3 #4 (Minutes)	Mour	Cost
A	— в —	С	D E F G B*(C Thru F)	н	H * (G/6
OP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)					
Notify customer/co-provider of work completion Post order complete in WFA/C (Work Force Administration - Control Module)	5 10	1.000 1.000	5.00 10.00	\$43.81 \$43.81	
ototal - SERVICE DELIVERY IMPLEMENTOR			55.00		_\$
SCONNECT*					
FERCONNECT SERVICE CENTER (ISC)					
Prob (.15) is percent orders that will fall out of IMA for manual handling.	9	0.150	0.45	£40.00	
Review LSR for completeness and accuracy, contractual entries  Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	3 2	0.150	0.45 0.30	\$40.03 \$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	0.150	0.30	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	0.150	1.50	\$40.03	
Populate required fields	3	0.150	0.45	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150	0.45	\$40.03	
total - INTERCONNECT SERVICE CENTER (ISC)	·		3.45		
OP PROVISIONING CENTER (LPC)					
Probability is % manual work required. Reciprocal is mechanization rate. Clear RMA (Request for manual assistance)	11.25	0.400	4.50	\$37.78	
total - LOOP PROVISIONING CENTER (LPC;			4.50		
SIGN			4.50		
SIGN Probabilities are % manual work required. Reciprocal is mechanization rate.		0.400		### C1	
SIGN Probabilities are % manual work required. Reciprocal is mechanization rate. Order handling/screening	5	0.100	0.50	\$44.31	
SIGN  Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening GOC (Generic Order Control) order log	6	0.100	0.50 0.60	\$44.31	
SIGN  Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask	_	0.100 0.100	0.50 0.60 0.50	\$44.31 \$44.31	
SIGN  Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening  GOC (Generic Order Control) order log	6 5	0.100	0.50 0.60	\$44.31	
Probabilities are % manual work required. Reciprocal is mechanization rate. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document	6 5 5	0.100 0.100 0.100	0.50 0.60 0.50 0.50	\$44.31 \$44.31 \$44.31	
Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document	6 5 5 2	0.100 0.100 0.100 0.050	0.50 0.60 0.50 0.50 0.10	\$44.31 \$44.31 \$44.31	
SIGN  Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  total - DESIGN  NTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect	6 5 5 2 Distribution Fram	0.100 0.100 0.100 0.050	0.50 0.60 0.50 0.50 0.10	\$44.31 \$44.31 \$44.31 \$44.31	
Probabilities are % manual work required. Reciprocal is mechanization rate. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  total - DESIGN  NTRAL OFFICE FRAMES 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Analyze order	6 5 5 2 2 Distribution Fram	0.100 0.100 0.100 0.050	0.50 0.60 0.50 0.50 0.10 2.20	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31	
Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  **NTRAL OFFICE FRAMES** 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Analyze order Remove cross-connect	6 5 5 2 Distribution Fram 5 2.3	0.100 0.100 0.100 0.050	0.50 0.60 0.50 0.50 0.10 2.20	\$44.31 \$44.31 \$44.31 \$44.31 \$43.81	
Probabilities are % manual work required. Reciprocal is mechanization rate. Order handling/screening GOC (Generic Order Control) order log Enter WA (Work Authorization) mask Disconnect circuit Distribute WORD (Work Order Record Detail) document  **Notal - DESIGN**  **NTRAL OFFICE FRAMES** 2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Analyze order*	6 5 5 2 2 Distribution Fram	0.100 0.100 0.100 0.050	0.50 0.60 0.50 0.50 0.10 2.20	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31	

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Work item	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
<b>A</b>	В	С	D	Ē F	G B * (C Thru F)	H	H * (G/60)
LOOP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)							
Screen WFA (Work Force Administration) for circuit	5	1.000			5.00	\$43.81	\$3.65
Contact customer	5	1.000			5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$10.95
Total For Service:					199.48		\$142.12

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Work than	Time Minutes	Prob #1	Prob #2	Prob Pro		Labor Atou Cost
A	В	Ç	D	E F	G	Н
					B * (C Thru F)	H * (G/60)

### LOOP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)

4052 Direct Cost			\$142.12
4053			
4054	Cost	Cost	
4055	Calculation	Factor	Cost
4056	. B . C	D	E
4057 Marketing & Business Fees			
4058 Product Management Expense	D4058*E4052	0.019957	\$2.84
4059 Sales Expense	D4059*E4052	0.011877	\$1.69
4060 Product Advertising Expense	D4060*E4052	0.000000	\$0.00
4061 Business Fees (Other Operating Taxes)	D4061*Sum(E4052:E4060)	0.001483	\$0.22
4062 Total Marketing & Business Fees	Sum(E4052:E4061)		\$4.74
4063			
4064 Sub-Total Direct Cost & Marketing	E4052+E4062		\$146.86
4065		-	
4066 Other Direct Expenses			
4067 Network Operations	D4067*E4064	0.034832	\$5.12
4068 Network Support Assets	D4068*E4064	0.014703	\$2.16
4069 General Support Assets	D4069*E4064	0.088742	\$13.03
4070 General Purpose Computers	D4070*E4064	0.043342	\$6.37
4071 Uncollectible	D4071*E4064	0.003786	\$0.56
4072 Accounting & Finance Expense	D4072*E4064	0.007346	\$1.08
4073 Human Resources Expense	D4073*E4064	0.008294	\$1.22
4074 Information Management Expense	D4074*E4064	0.070887	\$10.41
4075 Intangibles	D4075*E4064	0.000000	\$0.00
4076 Total Other Direct Expenses	Sum(E4067:E4075)		\$39.94
4077			
4078 TELRIC	E4067+E4076		\$186.80
4079			
4080 Common			
4081 Executive Expense	D4081*E4078	0.011267	\$2.10
4082 Planning Expense	D4082*E4078	0.000525	\$0.10
4083 External Relations Expense	D4083*E4078	0.037846	\$7.07
4084 Legal Expense	D4084*E4078	0.004717	\$0.88
4085 Other Procurement Expense	D4085*E4078	0.001860	\$0.35
4086 Research & Development Expense	D4086*E4078	0.00006	\$0.00
4087 Other General and Admin Expense	D4087*E4078	0.015064	\$2.81
4088 Common Costs	Sum(E4081:E4087)		\$13.32
4089			
4090 TELRIC + Common Costs	E4078+E4088		\$200.12

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Work (tent	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E F	G B*(CThruF)	Н	l H * (G/60)
							. ,
LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized							
*ADD*							
-INTERCONNECT SERVICE CENTER (ISC)							
.6, .08 probabilities is percent of time this activity will occur.  Prob (.15) is percent orders that will fall out of IMA for manual handling.	_						
Populate required fields Input order into service order processor. Type and format order for billing and provisioning	3 5	1.000 1.000	0.150 0.150		0.45 0.75	\$40.03 \$40.03	\$0.30 \$0.50
Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order	3	1.000 0.600	0.150 0.150		0.45 0.09	\$40.03 \$40.03	\$0.30 \$0.06
Handle issues including conditioning, facility, cable&pair	i	0.080	0.150		0.03	\$40.03	\$0.00
Subtotal - INTERCONNECT SERVICE CENTER (ISC;					1.75		\$1.17
-LOOP PROVISIONING CENTER (LPC)							
.4 weighting is probability a Loop order will fall out for manual assistance. Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2.83
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.  Order handling/screening	5	0.200			1.00	\$44.31	\$0.74
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0.89
Enter WA (Work Authorization) mask Prepare loop input/DRI (Design Related Information)	5 10	0.100 0.200			0.50 2.00	\$44.31 \$44.31	\$0.37 \$1.48
Circuit design	20 2	0.100 0.050			2.00 0.10	\$44.31 \$44.31	\$1.48 \$0.07
Distribute WORD (Work Order Record Detail) document		0.030				<del>"чч</del> .эт	
Subtotal - DESIGN				- <u></u>	6.80		\$5.02
-CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC) .15 probability is % orders that require manual dispatch.							•
.03 probability is % orders when workitem performed in unmanned office.							
Screen order Load work request to technician	2 5	0.150 0.150			0.30 0.75	\$37.78 \$37.78	\$0.19 \$0,47
Close out work request with technician	3	0.150	0.030		0.01	\$37.78	\$0.01
Subtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC,					1.06		\$0.67
-CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Dis Analyze order	itribution Frame. 5	1.000			5.00	\$43.81	\$3.65

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Outo. Oddar ognoru						
<b>Work item</b>	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Lebor Mour	Coat
A	В	С	D E F	G B * (C Thru F)	Н	l H * (G/60)
LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized (con't)						
Complete cross-connect	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000		2.00	\$43.81	\$1.4
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.4
Analyze Due Date WFADI work request	1	1.000		1.00	\$43.81	\$0.7
Set up due date test with I&M technician	1	1.000		1.00	\$43.81	\$0.7
Complete due date work status with Implementor	1	1.000		1.00	\$43.81	\$0.7
Subtotal - CENTRAL OFFICE FRAMES				22.00		\$16.0
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)						
Screen order	2	1.000		2.00	\$37.78	\$1.2
Load work request to technician	5	1.000		5.00	\$37.78	\$3.1
Close out work request with technician	3	1.000		3.00	\$37.78	\$1.8
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,			_ <del></del>	10.00		\$6.3
					· -	
-INSTALLATION/FIELD TECHNICIAN						
0.2 probability is percent of time access/sal point and service terminal work required.	10	0.000		0.00	040.00	
Complete AP/SAC (Access Point/Serving Area Interface) wiring	10	0.200 0.200		2.00	\$42.68	\$1.4
Complete service terminal work. Complete performance/conformance testinc	10 10	1.000		2.00	\$42.68 \$42.68	\$1.4
Complete performance/conformance testing Close order with LRAC (Load Resource Administration Center).	10	1.000		10.00		\$7.1
Close order with LHAC (Load Resource Administration Center).	ı	1.000		1.00	\$42.68	\$0.7
Subtotal - INSTALLATION/FIELD TECHNICIAN				15.00		\$10.67
SERVICE DELIVERY IMPLEMENTOR						
Screen WFA (Work Force Administration) for circuit	15	1.000		15.00	\$43.81	\$10.9
Verify LNO (Local Network Operation) completion	10	1.000		10.00	\$43.81	\$7.3
Complete performance testing	15	1.000		15.00	\$43.81	\$10.9
Complete circuit in WFA/C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.3
Subtotal - SERVICE DELIVERY IMPLEMENTOR				50.00		\$36.5
DISCONNECT*						
INTERCONNECT SERVICE CENTER (ISC)						
Prob (.15) is percent orders that will fall out of IMA for manual handling.						
Populate required fields	3	0.150		0.45	\$40.03	\$0.3
Input order into service order processor. Type and format order for billing and provisioning	5	0.150		0.75	\$40.03	\$0.50
Ensure order is successfully distributed to the systems and is ready for provisioning	3	0.150		0.45	\$40.03	\$0.30
Subtotal - INTERCONNECT SERVICE CENTER (ISC)				1.65		\$1.10

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work then	Time Mirrotes	SOLAND SOLEN SERVICE SERVICE SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AND ASSOCIATION OF SOLEN SERVICES AN	Prob Prob Prob Applied Time #2 #3 #4 (Minutes)	Labor Nour H	Cost
A	Б	C	D E F G B*(CThru F)	п	H * (G/60)
OOP BASIC INSTALL COOP TESTING EA ADDL Mechanized (con't)					
OOP PROVISIONING CENTER (LPC)					
Probability is % manual work required. Reciprocal is mechanization rate.  Clear RMA (Request for manual assistance)	11.25	0.400	4.50	\$37.78	\$2.
ubtotal - LOOP PROVISIONING CENTER (LPC)			4.50		\$2.
DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.	-	0.100	0.50	C44.04	<b>C</b> 0
Order handling/screening GOC (Generic Order Control) order log	5	0.100 0.100	0.50 0.60	\$44.31 \$44.31	\$0 \$0
Enter WA (Work Authorization) mask	5	0.100	0.50	\$44.31	\$0
Disconnect circuit	5	0.100	0.50	\$44.31	\$0
Distribute WORD (Work Order Record Detail) document	2	0.050	0.10	\$44.31	\$0
ubtotal - DESIGN			2.20		\$1
CENTRAL OFFICE FRAMES					
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect			F 00	040.04	r.c
Analyze order Remove cross-connect	5 2.3	1.000 2.000	5.00 4.60	\$43.81 \$43.81	\$3 \$3
Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2.3	1.000	2.00	\$43.81	\$1
ubtotal - CENTRAL OFFICE FRAMES			11.60		\$8
SERVICE DELIVERY IMPLEMENTOR				-	_
Screen WFA (Work Force Administration) for circuit	5	1.000	5.00	\$43.81	\$3
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000	5.00	\$43.81	\$3
ubtotal - SERVICE DELIVERY (MPLEMENTOR			10.00		\$7

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Work Stear	Time Minutes	Prob #1	Prob #2			Lebor Hour Cost
A	_ в _	<u> </u>	D	Ē	F G	H
					B * (C Thru F)	H * (G/60)

### LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized (con't)

4232 Direct Cost		\$190.58
4233		
4234	Cost Cos	
4235	Calculation Factor	
4236	B C D	E E
4237 Marketing & Business Fees		
4238 Product Management Expense	D4238*E4232 0.01	9957 \$2.01
4239 Sales Expense	- : : : :	1877 \$1.19
4240 Product Advertising Expense		00000 \$0.00
4241 Business Fees (Other Operating Taxes)	<del></del>	1483 \$0.15
4242 Total Marketing & Business Fees	Sum(E4232:E4241)	\$3.36
4243		Ψ0.00
4244 Sub-Total Direct Cost & Marketing	E4232+E4242	\$103.92
4245		
4246 Other Direct Expenses		
4247 Network Operations	D4247*E4244 0.03	4832 \$3.62
4248 Network Support Assets	D4248*E4244 0.01	4703 \$1.53
4249 General Support Assets	D4249*E4244 0.08	8742 \$9.22
4250 General Purpose Computers	D4250*E4244 0.04	3342 \$4.50
4251 Uncollectible	D4251*E4244 0.00	3786 \$0.39
4252 Accounting & Finance Expense	D4252*E4244 0.00	7346 \$0.76
4253 Human Resources Expense	D4253*E4244 0.00	8294 \$0.86
4254 Information Management Expens€	D4254*E4244 0.07	0887 \$7.37
4255 Intangibles	D4255*E4244 0.00	0000 \$0.00
4256 Total Other Direct Expenses	Sum(E4247:E4255)	\$28.26
4257		
4258 TELRIC	E4247+E4256	\$132.18
4259		
4260 Common		
4261 Executive Expense		1267 \$1.49
4262 Planning Expense		0525 \$0.07
4263 External Relations Expense		7846 \$5.00
4264 Legal Expense	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	4717 \$0.62
4265 Other Procurement Expense		1860 \$0.25
4266 Research & Development Expense		0006 \$0.00
4267 Other General and Admin Expense		5064 \$1.99
4268 Common Costs	Sum(E4261: E4267)	\$9.42
4269		
4270 TELRIC + Common Costs	E4258+E4268	\$141.60

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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State: South Dakota					
Work Hest	Time Minutes	Prob #1	Proti Prob Proti Applied Time #2 #3 #4 (Minutes)	Labor Mour	Cost
A	В	C	D E F G B • (C Thru F)	H	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST					
*ADD*					
-INTERCONNECT SERVICE CENTER					
.05, .5, .6, .08 probabilities is percent of time this activity will occur.	_				
Review LSR for completeness and accuracy, contractual entries	3	1.000	3.00		\$2.0
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.05		\$0.0
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	4.00		\$2.6
CPPD look-up billing USOC's for co-provider	2	1.000	2.00	,	\$1.3
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	2.00		\$1.3
Analyze request to determine co-provider, type of order, and installation optior	2.5	1.000	2.50		\$1.6
Determine critical dates	1	1.000	1.00		\$0.6
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	1.50		\$1.0
Populate required fields	3	1.000	3.00		\$2.0
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000	3.00		\$2.0
Input order into service order processor. Type and format order for billing and provisioning	10	1.000	10.00		\$6.6
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	3.00		\$2.00
Handle calls from other departments working the order	5	0.600	3.00		\$2.00
Handle issues including conditioning, facility, cable&pair	5	0.080	0.40	\$40.03	\$0.27
Subtotal - INTERCONNECT SERVICE CENTER			38.45		\$25.65
-DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.					
ORDER HANDLING/SCREENING	5	0.200	1.00	\$44,31	\$0.74
GOC ORDER LOG	6	0.200	1.20		\$0.89
ENTER WA MASK	5	0.800	4.00		\$2.95
PREP LOOP INPUT/DRI	15	0.750	11.25		\$8.3
CIRCUIT DESIGN	30	1.000	30.00		\$22.16
DISTRIBUTE WORD DOC	2	0.900	1.80		\$1.33
Subtotal - DESIGN			49.25		\$36.37
OFFICE FRANCE	<del></del>				
-CENTRAL OFFICE FRAMES					
Jumper placed at MDF and Interconnect Distribution Frame.	_	1.000	- 00	040.04	<b>#</b> # 0.5
Analyze order	5	1.000	5.00		\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000	8.00	T	\$5.84 61.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000	2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES			15.00		\$10.95
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	5	1.000	5.00	\$43.81	\$3.65
CONCERT MI AT ON CONT	-		5.00	Ψ /O.01	ψψ.00

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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	Time	Prob	Prob P	rob Prob	Applied Time	Labor	
Work Nam	Minutes	#1	#2	#4 #4	(Minutes)	Hour	Cost
A	В	С	D	E F	G B * (C Thru F)	Η	l H * (G/60)
					D (O Illiai)		11 (G/66)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST (con't)							
VERIFY LNO COMPLETION	5	1.000			5.00	\$43.81	\$3.65
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR					25.00		\$18.25
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER (ICS)  Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.00
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	ž	1.000			2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000			2.00	\$40.03	\$1.33
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6.67
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)					23.00		\$15.34
DEALO.				<del></del> :		· ·	
- <u>DESIGN</u> Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100			0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0.37
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$0.15
Subtotal - DESIGN					2.30		\$1.70
-CENTRAL OFFICE FRAMES		-	<del>_</del>				
Jumper removed at MDF and interconnect Distribution Frame.							
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf)	2.3	2.000			4.60	\$43.81	\$3.36
Complete work in WFADI	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES					11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				<del></del>	15.00		\$10.95

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

Total For Service:

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179.60

Date: 06/03/02

\$127.70

Work Item	Time Minutos B	Prob #1 C		ab Prol g ga E F	Applied Time (Minutes)	Lebor Hour Cost
·		_	_		B * (C Thru F)	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST (con't)						

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Product Group: Interconnection

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Work Rem	Time Minutes	Prob #1	Prob #2	Proti Prot 19 14		Labor Mour Coat
A A	ь ь	C	U	E F	G	п :
					B * (C Thru F)	H * (G/60)

### DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST (con't)

4412 Direct Cost			\$127.70
4413			
4414	Cos	Cost	
4415		Factor	Cost
4416		D	E
4417 Marketing & Business Fees		33.7	
4418 Product Management Expense	D4418*E4412	0.019957	\$2.55
4419 Sales Expense	D4419*E4412	0.011877	\$1.52
4420 Product Advertising Expense	D4420*E4412	0.000000	\$0.00
4421 Business Fees (Other Operating Taxes)	D4421*Sum(E4412:E4420)	0.001483	\$0.20
4422 Total Marketing & Business Fees	Sum(E4412:E4421)		\$4.26
4423			
4424 Sub-Total Direct Cost & Marketing	E4412+E4422		\$131.96
4425			
4426 Other Direct Expenses			
4427 Network Operations	D4427*E4424	0.034832	\$4.60
4428 Network Support Assets	D4428*E4424	0.014703	\$1.94
4429 General Support Assets	D4429*E4424	0.088742	\$11.71
4430 General Purpose Computers	D4430*E4424	0.043342	\$5.72
4431 Uncollectible	D4431*E4424	0.003786	\$0.50
4432 Accounting & Finance Expens∈	D4432*E4424	0.007346	\$0.97
4433 Human Resources Expense	D4433*E4424	0.008294	\$1.09
4434 Information Management Expens∈	D4434*E4424	0.070887	\$9.35
4435 Intangibles	D4435*E4424	0.000000	\$0.00
4436 Total Other Direct Expenses	Sum(E4427:E4435)		\$35.88
4437			
4438 TELRIC	E4427+E4436		\$167.84
4439			
4440 Common			
4441 Executive Expense	D4441*E4438	0.011267	\$1.89
4442 Planning Expense	D4442*E4438	0.000525	\$0.09
4443 External Relations Expens€	D4443*E4438	0.037846	\$6.35
4444 Legal Expense	D4444*E4438	0.004717	\$0.79
4445 Other Procurement Expense	D4445*E4438	0.001860	\$0.31
4446 Research & Development Expense	D4446*E4438	0.000006	\$0.00
4447 Other General and Admin Expense	D4447*E4438	0.015064	\$2.53
4448 Common Costs	Sum(E4441:E4447)		\$11.96
4449			
4450 TELRIC + Common Costs	E4438+E4448		\$179.60

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Work them	Time Minutes	Prob #1	Prob Prob Prob Applied Time #2 #3 #4 (Minutes)	Labor /Hote	Cost
Å	В	С	D E F G B*(C Thru F)	Н	i H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL					
*ADD*					
-INTERCONNECT SERVICE CENTER (ICS)					
Populate required fields	3	1.000	3.00		\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000 1.000	5.00		\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order	3	0.600	3.00 0.60	\$40.03 \$40.03	\$2.00 \$0.40
Handle issues including conditioning, facility, cable&pail	i	0.080	0.00	\$40.03	\$0.40 \$0.05
			11.68		\$7.79
Subtotal - INTERCONNECT SERVICE CENTER (ICS)	<u> </u>		11.58		\$7.79
-DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.	_				
ORDER HANDLING/SCREENING	5	0.200	1.00		\$0.74
GOC ORDER LOG	6 5	0.200 0.800	1.20		\$0.89
ENTER WA MASK PREP LOOP INPUT/DRI	ວ 15	0.800	4.00 11.25	\$44.31 \$44.31	\$2.95 \$8.31
CIRCUIT DESIGN	30	1.000	30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	0.900	1.80	\$44.31	\$1.33
Subtotal - DESIGN		<u> </u>	49.25		\$36.37
-CENTRAL OFFICE FRAMES					
Jumper placed at MDF and Interconnect Distribution Frame.					
Analyze order	5	1.000	5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000	8.00	\$43.81	\$5.84
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000	2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES			15.00		\$10.95
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	5	1.000	5.00	\$43.81	\$3.65
VERIFY LNO COMPLETION	5	1.000	5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR			20.06		\$14.60
*DISCONNECT*		<u></u> ,			
-INTERCONNECT SERVICE CENTER (ICS)					
Populate required fields	3	1.000	3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000	5.00	\$40.03	\$3.34

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State: South Dakota

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Work Rein	Time Minutes	Prob #1	Prob Pro		Applied Time (Minutes)	Labor /Hout	Cost
A	В	С	D E	F	G B*(CThru F)	Н	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL (con't,							
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)					11.00		\$7.34
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.	_						
ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100			0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0.37
DISCONNECT CIRCUIT DISTRIBUTE WORD DOC	5 2	0.100 0.100			0.50 0.20	\$44.31 \$44.31	\$0.37 \$0.15
DISTRIBUTE WORD DOG	2	0.100			0.20	Ф <del>44</del> .Э1	φυ. 15
Subtotal - DESIGN					2.30	-	\$1.70
-CENTRAL OFFICE FRAMES							
Jumper removed at MDF and Interconnect Distribution Frame.							
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf)	2.3	2.000			4.60	\$43.81	\$3.36
Complete work in WFADI	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES					11.60		\$8.47
Total For Service:				<del>. –</del>	120.83		\$87.23

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Item Á	7ime Minutes B	Prob #i C	rot Prob #3 #4 E F		Labor Atour H	Cost
				B * (C Thru F)	-	1 * (G/60)

## DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL (con't,

4547 Street Cost			\$87.23
4548	<u> </u>		
4549	Cost	Cost	
4550	Calculation	Fector	Cost
4551	B 0	9	E
4552 Marketing & Business Fees			
4553 Product Management Expense	D4553*E4547	0.019957	\$1.74
4554 Sales Expense	D4554*E4547	0.011877	\$1.04
4555 Product Advertising Expense	D4555*E4547	0.000000	\$0.00
4556 Business Fees (Other Operating Taxes)	D4556*Sum(E4547:E4555)	0.001483	\$0.13
4557 Total Marketing & Business Fees	Sum(E4547:E4556)		\$2.91
4558			
4559 Sub-Total Direct Cost & Marketing	E4547+E4557		\$90.14
4560			
4561 Other Direct Expenses			
4562 Network Operations	D4562*E4559	0.034832	\$3.14
4563 Network Support Assets	D4563*E4559	0.014703	\$1.33
4564 General Support Assets	D4564*E4559	0.088742	\$8.00
4565 General Purpose Computers	D4565*E4559	0.043342	\$3.91
4566 Uncollectible	D4566*E4559	0.003786	\$0.34
4567 Accounting & Finance Expense	D4567*E4559	0.007346	\$0.66
4568 Human Resources Expense	D4568*E4559	0.008294	\$0.75
4569 Information Management Expense	D4569*E4559	0.070887	\$6.39
4570 Intangibles	D4570*E4559	0.000000	\$0.00
4571 Total Other Direct Expenses	Sum(E4562:E4570)		\$24.51
4572			
4573 TELRIC	E4562+E4571		\$114.65
4574			
4575 Common			
4576 Executive Expense	D4576*E4573	0.011267	\$1.29
4577 Planning Expens€	D4577*E4573	0.000525	\$0.06
4578 External Relations Expens∈	D4578*E4573	0.037846	\$4.34
4579 Legal Expense	D4579*E4573	0.004717	\$0.54
4580 Other Procurement Expense	D4580*E4573	0.001860	\$0.21
4581 Research & Development Expense	D4581*E4573	0.000006	\$0.00
4582 Other General and Admin Expense	D4582*E4573	0.015064	\$1.73
4583 Common Costs	Sum(E4576:E4582)		\$8.17
4584			
4585 TELRIC + Common Costs	E4573+E4583		\$122.82

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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State: South Dakota						
	Time	Prob	Prot Prot Prot	Appiled Time	Labor	
Work feet	Minutes	<u>n</u>	<u> 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14 </u>	(Minutes)	Mour	Cost
A	В	С	D E F	G B * (C Thru F)	Н	i H * (G/60)
				B (Ciniur)		n (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST						
*ADD*						
-INTERCONNECT SERVICE CENTER (ICS)						
.05, .5, .6, .08 probabilities is percent of time this activity will occur.						
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	\$2.00
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050		0.05	\$40.03	\$0.03
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000		4.00	\$40.03	\$2.67
CPPD look-up billing USOC's for co-provider	2	1.000		2.00	\$40.03	\$1.33
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000		2.00	\$40.03	\$1.33
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000		2.50	\$40.03	\$1.67
Determine critical dates	1	1.000		1.00	\$40.03	\$0.67
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500		1.50	\$40.03	\$1.00
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Handle calls from other departments working the order	5	0.600		3.00	\$40.03	\$2.00
Handle issues including conditioning, facility, cable&pair	5	0.080		0.40	\$40.03	\$0.27
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				38.45		\$25.65
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
OBDER HANDLING/SCHEENING	5	0.200		1.00	\$44.31	\$0.74
ORDER HANDLING/SCREENING GOC ORDER LOG	5 6	0.200 0.200		1.00 1.20	\$44.31 \$44.31	\$0.74 \$0.89
ORDER HANDLING/SCHEENING GOC ORDER LOG ENTER WA MASK	_			1.00 1.20 4.00	\$44.31 \$44.31 \$44.31	\$0.74 \$0.89 \$2.95
GOC ORDER LOG	6	0.200		1.20	\$44.31	\$0.89
GOC ORDER LOG ENTER WA MASK	6 5	0.200 0.800		1.20 4.00	\$44.31 \$44.31	\$0.89 \$2.95
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI	6 5 15	0.200 0.800 0.750		1.20 4.00 11.25	\$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN	6 5 15 30	0.200 0.800 0.750 1.000		1,20 4.00 11,25 30.00	\$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC	6 5 15 30	0.200 0.800 0.750 1.000		1.20 4.00 11.25 30.00 1.80	\$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN -CENTRAL OFFICE FRAMES	6 5 15 30	0.200 0.800 0.750 1.000		1.20 4.00 11.25 30.00 1.80	\$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and interconnect Distribution Frame.	6 5 15 30 2	0.200 0.800 0.750 1.000 0.900		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order	6 5 15 30	0.200 0.800 0.750 1.000 0.900		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b>
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF)	6 5 15 30 2	0.200 0.800 0.750 1.000 0.900		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$44.31	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF) Complete Loop Qualification	6 5 15 30 2	0.200 0.800 0.750 1.000 0.900 1.000 2.000 1.000		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$43.81 \$43.81 \$43.81	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84 \$1.46
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF) Complete Loop Qualification Record DVA (Designed, Verified, Assigned) test results	6 5 15 30 2 2 5 4 2 2	0.200 0.800 0.750 1.000 0.900 1.000 2.000 1.000		1.20 4.00 11.25 30.00 1.80 49.25 5.00 8.00 2.00 2.00	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$43.81 \$43.81 \$43.81 \$43.81	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84 \$1.46 \$1.46
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF) Complete Loop Qualification Record DVA (Designed, Verified, Assigned) test results Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	6 5 15 30 2 2 5 4 2 2 2	0.200 0.800 0.750 1.000 0.900 1.000 2.000 1.000		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$43.81 \$43.81 \$43.81 \$43.81 \$43.81 \$43.81	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84 \$1.46 \$1.46 \$1.46
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF) Complete Loop Qualification Record DVA (Designed, Verified, Assigned) test results Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module) Perform continuity stress testing	5 4 2 2 2 10	0.200 0.800 0.750 1.000 0.900 1.000 2.000 1.000 1.000		1.20 4.00 11.25 30.00 1.80 49.25 5.00 8.00 2.00 2.00 2.00 10.00	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$43.81 \$43.81 \$43.81 \$43.81	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84 \$1.46 \$1.46 \$1.46 \$1.46
GOC ORDER LOG ENTER WA MASK PREP LOOP INPUT/DRI CIRCUIT DESIGN DISTRIBUTE WORD DOC  Subtotal - DESIGN  -CENTRAL OFFICE FRAMES Jumper placed at MDF and Interconnect Distribution Frame. Analyze order Complete cross-connect (MDF and ICDF) Complete Loop Qualification Record DVA (Designed, Verified, Assigned) test results Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	6 5 15 30 2 2 5 4 2 2 2	0.200 0.800 0.750 1.000 0.900 1.000 2.000 1.000 1.000 1.000		1.20 4.00 11.25 30.00 1.80 49.25	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$43.81 \$43.81 \$43.81 \$43.81 \$43.81 \$43.81	\$0.89 \$2.95 \$8.31 \$22.16 \$1.33 <b>\$36.37</b> \$3.65 \$5.84 \$1.46 \$1.46 \$1.46

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Jtem	Time Minutes B	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
<b>A</b>	В	c -	D E F	G B * (C Thru F)	Н —	। Н * (G/60)
S1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST (con't)						
ibtotal - CENTRAL OFFICE FRAMES				34.00		\$24
RAC						
SCREEN ORDER	2	1.000		2.00	\$37.78	\$1
LOAD WORK REQUEST TO TECH	5	1.000		5.00	\$37.78	\$3
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	\$.
COMPLETE WORK IN WFADO	3	1.000		3.00	\$37.78	\$
ibtotal - LRAC				13.00		\$1
ISTALLATION/FIELD TECHNICIAN						
Analyze Order	1	1.000		1.00	\$42.68	\$(
TRAVEL TIME	21	1.000		21.00	\$42.68	\$1
0.2 probability is percent of time Serving Area Interface, Service Terminal work required.					*	_
Complete Service Area Interface work	13	0.200		2.60	\$42.68	\$
Complete Service Terminal work	15	0.200		3.00	\$42.68	\$
Customer Contact	5 3	1.000		5.00	\$42.68	\$
CONTACT CCTI TO WORK ORDER COMPLETE PERFORMANCE/CONFORMANCE TESTING	ა 15	1.000 1.000		3.00	\$42.68 \$42.68	\$
COMPLETE WITH LRAC	3	1.000		15.00 3.00	\$42.68 \$42.68	\$10 \$2
btotal - INSTALLATION/FIELD TECHNICIAN				53.60		\$3
<u> </u>						
ERVICE DELIVERY IMPLEMENTOR SCREEN WFA FOR CIRCUIT	15	1.000		15.00	\$43.81	\$1
VERIFY LNO FOR CIRCUIT	10	1.000		10.00	\$43.81	\$
TEST CIRCUIT	35	1.000		35.00	\$43.81	\$2
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	\$
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$
biotal - SERVICE DELIVERY IMPLEMENTOR			<u> </u>	75.00		\$5
SCONNECT*						
TERCONNECT SERVICE CENTER (ICS)						
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	\$
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000		2.00	\$40.03	\$
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$40.03	\$
Input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	\$
Populate required fields	3	1.000		3.00	\$40.03	\$
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$
ototal - INTERCONNECT SERVICE CENTER (ICS)				23.00		<u>\$1</u>

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work frem	Time Minutes	Prob #1	Prob Pro	90.00	Applied Time (Minutes)	Lebor Mour	Cost
A	В	С	D E	F	B * (C Thru F)	н	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST (con't)							
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.	_						
ORDER HANDLING/SCREEN	5	0.100 0.100			0.50	\$44.31	\$0.37
GOC ORDER LOG ENTER WA MASK	5	0.100			0.60 0.50	\$44.31 \$44.31	\$0.44 \$0.37
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.37 \$0.37
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$0.15
Subtotal - DESIGN					2.30		\$1.70
OFNITRAL OFFICE FRANCO							
-CENTRAL OFFICE FRAMES  Jumper removed at MDF and interconnect Distribution Frame.							
Analyze order	5	1,000			5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf)	2.3	2.000			4.60	\$43.81	\$3.36
Complete work in WFADI	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				·	11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1,000			5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$10.95
Total For Service:			<del> </del>		315.20		\$224.39

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

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Work Hen	Time Minutes B	ob Prob Pro 2 #3 #4 ) E F		Labor Mour Cost
			B * (C Thru F)	H * (G/60)

## DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST (con't)

4727 Direct Cost		\$224.3
4728	<u></u>	
4729	Cost Cost	
4730	Calculation Facto	r Cost
4731	B C D	E
4732 Marketing & Business Fees	<del></del>	
4733 Product Management Expense	<b>D4733*E4727</b> 0.01	9957 \$4.4
4734 Sales Expense	D4734*E4727 0.01	1877 \$2.6
4735 Product Advertising Expense	D4735*E4727 0.00	0.00 \$0.00
4736 Business Fees (Other Operating Taxes)	D4736*Sum(E4727:E4735) 0.00	1483 <u>\$0.3</u>
4737 Total Marketing & Business Fees	Sum(E4727:E4736)	\$7.4
4738		
4739 Sub-Total Direct Cost & Marketing	E4727+E4737	\$231.8
4740		
4741 Other Direct Expenses		
4742 Network Operations	D4742*E4739 0.03	\$832 \$8.C
4743 Network Support Assets	D4743*E4739 0.01-	1703 \$3.4
4744 General Support Assets	D4744*E4739 0.08	3742 \$20.5
4745 General Purpose Computers	D4745*E4739 0.04	3342 \$10.0
4746 Uncollectible	D4746°E4739 0.00	3786 \$0.8
4747 Accounting & Finance Expense	D4747*E4739 0.00	7346 \$1.7
4748 Human Resources Expense	D4748*E4739 0.00	3294 \$1.9
4749 Information Management Expens∈	D4749*E4739 0.07	9887 \$16.4
4750 Intangibles	D4750°E4739 0.00	0000 \$0.0
4751 Total Other Direct Expenses	Sum(E4742:E4750)	\$63.0
4752		
4753 TELRIC	E4742+E4751	\$294.9
4754		
4755 Common	D. 40704F 4070	
4756 Executive Expense	D4756*E4753 0.01	
4757 Planning Expense	D4757*E4753 0.00	
4758 External Relations Expense	D4758*E4753 0.03	
4759 Legal Expense	D4759*E4753 0.00	
4760 Other Procurement Expense	D4760*E4753 0.00	
4761 Research & Development Expense	D4761*E4753 0.00	
4762 Other General and Admin Expense	D4762*E4753 0.015	
4763 Common Costs	Sum(E4756:E4762)	\$21.0
4764 4765 TELRIC + Common Costs	E4753+E4763	\$315.9
TIOU I COMMINION COSIS	ETIGOTENIO	<b>4</b> 515.56

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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State. South Danota						
Work theat	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Lebor Mour	Cost
A A	В	Č	D E F	Ğ	H	I
				B * (C Thru F)		H * (G/60)
DOLDOS CONTA LO LO LOCADA DA CIO INSTALLA DEDECADA NOS TEST. EL ADDI						
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL						
*ADD*						
-INTERCONNECT SERVICE CENTER (ICS)	_					
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5 3	1.000		5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order	ა 1	1.000 0.600		3.00	\$40.03 \$40.03	\$2.00 \$0.40
Handle issues including conditioning, facility, cable&pair	;	0.000		0.60 0.08	\$40.03	\$0.40 \$0.05
nancie issues including conditioning, facility, capleapail	•	0.000		0.00	\$40.03	\$0.05
Subtotal - INTERCONNECT SERVICE CENTER (ICS,				11.68		\$7.79
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	0.200		1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200		1.20	\$44.31	\$0.89
ENTER WA MASK	.5	0.800		4.00	\$44.31	\$2.95
PREP LOOP INPUT/DRI	. 15	0.750		11.25	\$44.31	\$8.31
CIRCUIT DESIGN	30 2	1.000 0.900		30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31	\$1.33
Subtotal - DESIGN				49.25		\$36.37
-CENTRAL OFFICE FRAMES						
Jumper placed at MDF and interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000		2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Perform continuity stress testing	10	1.000		10.00	\$43.81	\$7.30
Set up due date test with I&M technician	1	1.000		1.00	\$43.81	\$0.73
Complete due date work status with Implementor	1	1.000		1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES				31.00		\$22.64
-LRAC						
SCREEN ORDER	2	1,000		2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1.000		5.00	\$37.78	\$3,15
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	\$1.89
COMPLETE WORK IN WFADO	3	1.000		3.00	\$37.78	\$1.89
Subtotal - LRAC		<del></del>		13.00		\$8.19
SUBJOINT LITAV				13.00		<del>Q</del> Q.13

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Product Group: Interconnection

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State: South Dakota Three Frob Prob Prob Prob Applied Time Labor Work them Minutes (Minutes) Mour Cost B \* (C Thru F) H \* (G/60) DS1.DS3.OCN 3.12.48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL (con't) -INSTALLATION/FIELD TECHNICIAN 0.2 probability is percent of time Serving Area Interface, Service Terminal work required. 10 0.200 2.00 \$42.68 \$1.42 Complete Service Area Interface work Complete Service Terminal work 10 0.200 2.00 \$42.68 \$1.42 COMPLETE PERFORMANCE/CONFORMANCE TESTING 10 1.000 10.00 \$42.68 \$7.11 COMPLETE WITH LRAC 1.000 \$42.68 1.00 \$0.71 Subtotal - INSTALLATION/FIELD TECHNICIAN 15.00 \$10.67 -SERVICE DELIVERY IMPLEMENTOR SCREEN WFA FOR CIRCUIT 15 1.000 15.00 \$43,81 \$10.95 VERIFY LNO FOR CIRCUIT 10 1.000 10.00 \$43.81 \$7.30 **TEST CIRCUIT** 35 1.000 35.00 \$43.81 \$25.56 10 1.000 COMPLETE CIRCUIT IN WFA/C 10.00 \$43.81 \$7.30 70.00 \$51.11 Subtotal - SERVICE DELIVERY IMPLEMENTOR \*DISCONNECT\* -INTERCONNECT SERVICE CENTER (ICS) 3 1.000 3.00 \$40.03 \$2.00 Populate required fields 5 1.000 5.00 \$40.03 \$3.34 Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning 3 1.000 3.00 \$40.03 \$2.00 11.00 \$7.34 Subtotal - INTERCONNECT SERVICE CENTER (ICS) -DESIGN Probabilities are % manual work required. Reciprocal is mechanization rate. ORDER HANDLING/SCREEN 5 0.100 0.50 \$44.31 \$0.37 GOC ORDER LOG 6 0.100 0.60 \$44,31 \$0.44 **ENTER WA MASK** 5 0.100 0.50 \$44.31 \$0.37 DISCONNECT CIRCUIT 5 0.100 0.50 \$44.31 \$0.37 DISTRIBUTE WORD DOC 0.100 0.20 \$44.31 \$0.15 2.30 \$1.70 Subtotal - DESIGN -CENTRAL OFFICE FRAMES Jumper removed at MDF and Interconnect Distribution Frame. 5 1.000 \$3.65 Analyze order 5.00 \$43.81 2.000 Remove jumpers (mdf & icdf) 2.3 4.60 \$43.81 \$3.36 Complete work in WFADI 1.000 2.00 \$43.81 \$1.46

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Heat	Time Minutes	Prob #1	Pro6 #2	Prob #3	49.1000.000	plied Time Minutes)	Labor /Hour	Cost
Ā	В	C	D	E	F B*	G (C Thru F)	Н	) H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL (con't)								
Subtotal - CENTRAL OFFICE FRAMES				<u> </u>		11.60		\$8.47
Total For Service:						214.83		\$154.27

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work item A	Time Minutes B	Prob #1	Prob #2 D	Prob Pro #3 # E	ob Applied Time I (Minutes) G	Labor Hour Cost H
					B * (C Thru F)	H * (G/60)

## DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL (con't)

4908	AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER	ilization and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the	
4909	Cost	Cost	
4910	Calculation	Factor	Cost
4911	ВС	D	E
4912 Marketing & Business Fees			
4913 Product Management Expense	D4913*E4907	0.019957	\$3.
4914 Sales Expense	D4914*E4907	0.011877	\$1.
4915 Product Advertising Expense	D4915*E4907	0.000000	\$0.0
4916 Business Fees (Other Operating Taxes)	D4916*Sum(E4907:E4915)	0.001483	\$0.2
4917 Total Marketing & Business Fees	Sum(E4907: E4916)	<u> </u>	\$5.
4918		<del> </del>	
4919 Sub-Total Direct Cost & Marketing	E4907+E4917		\$159.
4920			
4921 Other Direct Expenses			
4922 Network Operations	D4922*E4919	0.034832	\$5.
4923 Network Support Assets	D4923*E4919	0.014703	\$2.
4924 General Support Assets	D4924*E4919	0.088742	\$14.
4925 General Purpose Computers	D4925*E4919	0.043342	\$6.
4926 Uncollectible	D4926*E4919	0.003786	\$0.0
4927 Accounting & Finance Expense	D4927*E4919	0.007346	\$1.
4928 Human Resources Expense	D4928*E4919	0.008294	\$1.3
4929 Information Management Expens∈	D4929*E4919	0.070887	\$11.3
4930 Intangibles	D4930*E4919	0.000000	\$0.0
4931 Total Other Direct Expenses	Sum(E4922:E4930)		\$43.
4932			
4933 TELRIC	E4922+E4931		\$202.
4934	<u> </u>		
4935 Common			
4936 Executive Expense	D4936*E4933	0.011267	\$2.3
4937 Planning Expense	D4937*E4933	0.000525	\$0.1
4938 External Relations Expense	D4938*E4933	0.037846	\$7.0
4939 Legal Expense	D4939*E4933	0.004717	\$0.9
1940 Other Procurement Expense	D4940*E4933	0.001860	\$0.3
1941 Research & Development Expense	D4941*E4933	0.000006	\$0.0
4942 Other General and Admin Expense	D4942*E4933	0.015064	\$3.
1943 Common Costs	Sum(E4936:E4942)		\$14.4

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Time Prob Prob Prob Prob Applied Time Labor Work Item Minutes #1 #2 #3 #4 (Minutes) /flour	Cost
À B C D É F G H B*(CThru F)	H * (G/60)
TO A DOG COME SO SO DO COORD WATER COOR TEST FIRST	
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST	
*ADD*	
-INTERCONNECT SERVICE CENTER (ICS)	
.05, .5, .6, .08 probabilities is percent of time this activity will occur.	
Review LSR for completeness and accuracy, contractual entries 3 1.000 3.00 \$40.00	
Verify Connecting Facility Assignment (CFA) for facility/circuit availability 1 0.050 0.05 \$40.	
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta 4 1.000 4.00 \$40.0	
CPPD look-up billing USOC's for co-provider 2 1.000 2.00 \$40.00	
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date 2 1.000 2.00 \$40.	
Analyze request to determine co-provider, type of order, and installation optior 2.5 1.000 2.50 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.00 \$40.	
If directory advertising or retail contract or both, issue order to remove information from account 3 0.500 1.50 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$40.0 \$	
Type, review and submit to customer the Firm Order Confirmation (FOC)  3 1.000  3.00 \$40.0	
Input order into service order processor. Type and format order for billing and provisioning 10 1.000 10.00 \$40.0	
Ensure order is successfully distributed to the systems and is ready for provisioning 3 1.000 3.00 \$40.0	
Handle calls from other departments working the order 5 0.600 3.00 \$40.0	
Handle issues including conditioning, facility, cable&pair 5 0.080 0.40 \$40.0	
Subtotal - INTERCONNECT SERVICE CENTER (ICS) 38.45	\$25.65
- <u>DESIGN</u> Probabilities are % manual work required. Reciprocal is mechanization rate.	
Probabilities are % manual work required. Reciprocal is mechanization rate.  ORDER HANDLING/SCREENING 5 0.200 1.00 \$44.3	\$0.74
GOC ORDER LOG 5 0.200 1.20 \$44.0	
ENTER WA MASK 5 0.800 \$44.0 \$44.1	
PREP LOOP INPUT/DRI 15 0.750 11.25 \$44.3	
CIRCUIT DESIGN 30 1.000 30.00 \$44.5	
DISTRIBUTE WORD DOC 2 0.900 1.80 \$44.3	
Subtotal - DESIGN 49.25	\$36.37
-CENTRAL OFFICE FRAMES	
Jumper placed at MDF and Interconnect Distribution Frame. Analyze order 5 1.000 5.00 \$43.6	\$3.65
Analyze order         5         1.000         5.00         \$43.8           Complete cross-connect (MDF and ICDF)         4         2.000         8.00         \$43.8	
Complete Loop Qualification 2 1.000 2.00 \$43.6	
Record DVA (Designed, Verified, Assigned) test results 2 1.000 2.00 \$43.8	
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch in Module) 2 1.000 2.00 \$43.8	
Perform continuity stress testing 10 1.000 10.00 \$43.6	
Set up due date test with I&M technician 2 1.000 2.00 \$43.6	
Complete due date work status with Implementor 3 1.000 3.00 \$43.6	

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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State: South Dakota								
doubles y young company the property of the Wolk flam.	Time Minutes	Prob #1	Proti #2	Prob #3	Prob #4	Applied Time (Minutes)	Lebor Mour	Cost
A	В	тс –	D -	E	F	G B * (C Thru F)	H	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST (con't)								
Subtotal - CENTRAL OFFICE FRAMES						34.00		\$24.8
-LRAC								
SCREEN ORDER	2	1.000				2.00	\$37.78	\$1.2
LOAD WORK REQUEST TO TECH	5	1.000				5.00	\$37.78	\$3.
CLOSE OUT WORK REQUEST	3	1.000				3.00	\$37.78	<b>\$</b> 1.
COMPLETE WORK IN WFADO	3	1.000				3.00	\$37.78	\$1.
ubtotal - LRAC						13.00		\$8.
NSTALLATION/FIELD_TECHNICIAN								
Analyze Order	1	1.000				1.00	\$42.68	\$0.
TRAVEL TIME	21	1.000				21.00	\$42.68	\$14.
0.2 probability is percent of time Serving Area Interface, Service Terminal work required.							*	•
Complete Service Area Interface work	13	0.200				2.60	\$42.68	\$1
Complete Service Terminal work	15	0.200				3.00	\$42.68	\$2
Customer Contact	5	1.000				5.00	\$42.68	\$3.
CONTACT CCTI TO WORK ORDER	3	1.000				3.00	\$42.68	\$2.
Coordinate with parties to work order	20	1.000				20.00	\$42.68	\$14.
COMPLETE PERFORMANCE/CONFORMANCE TESTING	15	1.000				15.00	\$42.68	\$10.
COMPLETE WITH LRAC	3	1.000				3.00	\$42.68	\$2.
ubtotal - INSTALLATION/FIELD TECHNICIAN	<u> </u>					73.60		\$52.3
SERVICE DELIVERY IMPLEMENTOR								
SCREEN WFA FOR CIRCUIT	15	1.000				15.00	\$43.81	\$10.9
VERIFY LNO FOR CIRCUIT	10	1.000				10.00	\$43.81	\$7.
Coordinate with parties to work order.	20	1.000				20.00	\$43.81	\$14.
TEST CIRCUIT	35	1.000				35.00	\$43.81	\$25.
NOTIFY CUSTOMER	5	1.000				5.00	\$43.81	\$3.
COMPLETE CIRCUIT IN WFA/C	10	1.000				10.00	\$43.81	\$7.
ubtotal - SERVICE DELIVERY IMPLEMENTOR						95.00		\$69.
DISCONNECT*								
NTERCONNECT SERVICE CENTER (ICS)								
Review LSR for completeness and accuracy, contractual entries	3	1.000				3.00	\$40.03	\$2.
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000				2.00	\$40.03	\$2. \$1.
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000				2.00	\$40.03	\$1. \$1.
Input order into service order processor. Type and format order for billing and provisioning	10	1.000				10.00	\$40.03	\$6.
Populate required fields	3	1.000				3.00	\$40.03	\$2.
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	\$2.0 \$2.0
Endure order to addressiving distributed to the systems and is ready for provisioning	3	1.000				3.00	φ+0.0G	<b>Φ</b> Ζ.

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob Prob Pro #2 #3 #4	A 1. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	Labot /Hour	Cost
A	В	С	D E F	G B * (C Thru F)	Н	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST (con't)						
Subtotal - INTERCONNECT SERVICE CENTER (ICS;				23.00		\$15.3
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREEN	5	0.100		0.50	\$44.31	\$0.3
GOC ORDER LOG	6	0.100		0.60	\$44.31	\$0.4
ENTER WA MASK	5	0.100		0.50	\$44.31	\$0.3
DISCONNECT CIRCUIT	5	0.100		0.50	\$44.31	\$0.3
DISTRIBUTE WORD DOC	2	0.100		0.20	\$44.31	\$0.1
Subtotal - DESIGN				2.30		\$1.7
-CENTRAL OFFICE FRAMES						
Jumper removed at MDF and Interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3.6
Remove jumpers (mdf & icdf)	2.3	2.000		4.60	\$43.81	\$3.3
Complete work in WFADI	2	1.000		2.00	\$43.81	\$1.4
Subtotal - CENTRAL OFFICE FRAMES				11.60		\$8.4
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.69
CONTACT CUSTOMER	5	1.000		5.00	\$43.81	\$3.6
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.6
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.9
Total For Service:	<del></del>			355.20		\$253.2

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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A	B	C D	E	F G	H I
				B * (C Thru F)	H * (G/60)

### DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST FIRST (con't)

			0.000 <u>0</u> 0.00000000000000000000000000000
5087 Creat Cost 5088			\$250,22
5089	Cost	Cost	
5090	Calculation	Fector	Cost
5091	B C	D	E
5092 Marketing & Business Fees			
5093 Product Management Expense	D5093*E5087	0.019957	\$5.05
5094 Sales Expense	D5094*E5087	0.019937	\$3.01
5094 Sales Expense 5095 Product Advertising Expense	D5095*E5087	0.000000	\$0.00
5096 Business Fees (Other Operating Taxes)	D5096*Sum(E5087:E5095)	0.001483	\$0.39
5097 Total Marketing & Business Fees	Sum(E5087:E5096)	0.001463	\$8.45
5098	Suisi(E3067:E3090)		<b>30.43</b>
5099 Sub-Total Direct Cost & Marketing	E5087+E5097		\$261.67
5100	E3001+E3031		\$201.07
5101 Other Direct Expenses			
5102 Network Operations	D5102*E5099	0.034832	\$9.11
5103 Network Support Assets	D5103*E5099	0.014703	\$3.85
5104 General Support Assets	D5104*E5099	0.088742	\$23.22
5105 General Purpose Computers	D5105*E5099	0.043342	\$11.34
5106 Uncollectible	D5106*E5099	0.003786	\$0.99
5107 Accounting & Finance Expense	D5107°E5099	0.007346	\$1.92
5108 Human Resources Expense	D5108*E5099	0.008294	\$2.17
5109 Information Management Expense	D5109*E5099	0.070887	\$18.55
5110 Intangibles	D5110*E5099	0.000000	\$0.00
5111 Total Other Direct Expenses	Sum(E5102:E5110)		\$71.16
5112			
5113 TELRIC	E5102+E5111		\$332.83
5114			
5115 Common			
5116 Executive Expense	D5116*E5113	0.011267	\$3.75
5117 Planning Expense	D5117*E5113	0.000525	\$0.17
5118 External Relations Expense	D5118*E5113	0.037846	\$12.60
5119 Legal Expense	D5119*E5113	0.004717	\$1.57
5120 Other Procurement Expense	D5120°E5113	0.001860	\$0.62
5121 Research & Development Expense	D5121*E5113	0.000006	\$0.00
5122 Other General and Admin Expense	D5122*E5113	0.015064	\$5.01
5123 Common Costs	Sum(E5116:E5122)		\$23.73
5124			
5125 TELRIC + Common Costs	E5113+E5123		\$356.55

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work Dam	Time Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Windles)	Labor Mour	Cost
A	В	С	D E	F G B*(CThru F)	H	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL						
*ADD*						
-INTERCONNECT SERVICE CENTER (ICS)						
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000		5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Handle calls from other departments working the order	1	0.600		0.60	\$40.03	\$0.40
Handle issues including conditioning, facility, cable&pair	1	0.080		0.08	\$40.03	\$0.0
Subtotal - INTERCONNECT SERVICE CENTER (ICS,				11.68		\$7.79
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	0.200		1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200		1.20	\$44.31	\$0.89
ENTER WA MASK	5	0.800		4.00	\$44.31	\$2.95
PREP LOOP INPUT/DRI	15	0.750		11.25	\$44.31	\$8.31
CIRCUIT DESIGN	30	1.000		30.00	\$44.31	\$22,16
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31	\$1.33
Subtotal - DESIGN				49.25		\$36.37
-CENTRAL OFFICE FRAMES						
Jumper placed at MDF and Interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000		2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000		2.00	\$43.81	\$1.46
Perform continuity stress testing	10	1.000		10.00	\$43.81	\$7.30
Set up due date test with I&M technician	1	1.000		1.00	\$43.81	\$0.73
Complete due date work status with Implementor	1	1.000		1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES				31.00		\$22.64
-LRAC						
SCREEN ORDER	2	1.000		2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1,000		5.00	\$37.78	\$3.15
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	\$1.89
COMPLETE WORK IN WFADO	3	1.000		3.00	\$37.78	\$1.89
Subtotal - LRAC	· · · · · · · · · · · · · · · · · · ·			13,00		\$8.19

Study Name: NONRECURRING ELEMENTS

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Work Bern	Time Minutes	Prob #1	Prot	Prob #3	Prob #4	Applied Time (Minutes)	Labor	Cost
Ä	В	С	D	E	F	G B * (C Thru F)	Н	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL (con't)						5 (5)		17 (G/00)
DS1,DS3,OCN 3,12,46 LOOF COORD INSTALL WITH COOF TEST EX ADDL (COIT)								
-INSTALLATION/FIELD TECHNICIAN								
0.2 probability is percent of time Serving Area Interface, Service Terminal work required.  Complete Service Area Interface work	10	0.200				2.00	\$42.68	\$1.42
Complete Service Area micriace work	10	0.200				2.00	\$42.68	\$1.42
COMPLETE PERFORMANCE/CONFORMANCE TESTING	10	1.000				10.00	\$42.68	\$7.11
COMPLETE WITH LRAC	1	1.000				1.00	\$42.68	\$0.71
Subtotal - INSTALLATION/FIELD TECHNICIAN						15.00		\$10.67
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WFA FOR CIRCUIT	15 10	1.000 1.000				15.00 10.00	\$43.81 \$43.81	\$10.95 \$7.30
VERIFY LNO FOR CIRCUIT TEST CIRCUIT	35	1.000				35.00	\$43.81	\$7.50 \$25.56
COMPLETE CIRCUIT IN WFA/C	10	1.000				10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR						70.00		\$51.11
*DISCONNECT*								
-INTERCONNECT SERVICE CENTER (ICS)								
Populate required fields Input order into service order processor. Type and format order for billing and provisioning	3 5	1.000 1.000				3.00 5.00	\$40.03 \$40.03	\$2.00 \$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)			<del>-</del>			11.00		\$7.34
						11.00		
-DESIGN Probabilities are % manual work required. Reciprocal is mechanization rate.								
ORDER HANDLING/SCREEN	5	0.100				0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100				0.60	\$44.31	\$0.44
ENTER WA MASK DISCONNECT CIRCUIT	5 5	0.100 0.100				0.50 0.50	\$44.31 \$44.31	\$0.37 \$0.37
DISTRIBUTE WORD DOC	2	0.100				0.20	\$44.31	\$0.15
Subtotal - DESIGN						2.30		\$1.70
-CENTRAL OFFICE FRAMES								
Jumper removed at MDF and interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf) Complete work in WFADI	2.3 2	2.000 1.000				4.60 2.00	\$43.81 \$43.81	\$3.36 \$1.46
COMPIETE ACIV III ALVOI	-	1.000				2.00	940.01	φ1.40

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work ham	Tima Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time Let #4 (Minutes) /Ho	
A	В	C	D	E	F G ThruF)	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL (con't)						
Subtotal - CENTRAL OFFICE FRAMES					11.60	\$8.47
Total For Service:	<del></del>				214.83	\$154.27

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work Item	Time Minutes	uPatricular yearn, aranga para para para para para para para pa		Prob Prob #3 #4	**************************************	Latior Alour Cost
A	В		D	E F	G	Н
					B * (C Thru F)	H * (G/60)

# DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL (con't)

5287 Direct Com			SE 102
5268			SC - G - U
5269	COS	osi	
5270		TO THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE	ost
5271			Ė
5272 Marketing & Business Fees			
5273 Product Management Expense	D5273*E5267	0.019957	\$3.08
5274 Sales Expense		0.011877	\$1.83
5275 Product Advertising Expense		0.000000	\$0.00
5276 Business Fees (Other Operating Taxes)		0.001483	\$0.24
5277 Total Marketing & Business Fees	Sum(E5267:E5276)		\$5.15
5278			00,10
5279 Sub-Total Direct Cost & Marketing	E5267+E5277		159.42
5280		<del></del>	
5281 Other Direct Expenses			
5282 Network Operations	D5282°E5279	0.034832	\$5.55
5283 Network Support Assets	D5283*E5279	0.014703	\$2.34
5284 General Support Assets	D5284*E5279	0.088742	\$14.15
5285 General Purpose Computers	D5285*E5279 0	0.043342	\$6.91
5286 Uncollectible	D5286*E5279	0.003786	\$0.60
5287 Accounting & Finance Expense	D5287*E5279 0	.007346	\$1.17
5288 Human Resources Expense	D5288*E5279 0	.008294	\$1.32
5289 Information Management Expense	<b>D5289°E5279</b> 0	0.070887	\$11.30
5290 Intangibles	D5290°E5279	0.000000	\$0.00
5291 Total Other Direct Expenses	Sum(E5282; E5290)		\$43.35
5292			
5293 TELRIC	E5282+E5291	\$7	202.77
5294			
5295 Common			
5296 Executive Expense		.011267	\$2.28
5297 Planning Expens€		.000525	\$0.11
5298 External Relations Expens€		.037846	\$7.67
5299 Legal Expense		.004717	\$0.96
5300 Other Procurement Expense		.001860	\$0.38
5301 Research & Development Expense		.000006	\$0.00
5302 Other General and Admin Expense		.015064	\$3.05
5303 Common Costs	Sum(E5296:E5302)		\$14.45
5304			
5305 TELRIC + Common Costs	E5293+E5303	\$7	217.23

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Work ham	Time Minutes	Prob #1	Prob #2	Proti Prol	(Minutes)	Labor Mour	Cost
A	В	C	Ď	E F	G B * (C Thru F)	Н	H * (G/60)
S1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST FIRST							
<u>DD*</u>							
ITERCONNECT SERVICE CENTER (ICS)							
.05, .5, .6, .08 probabilities is percent of time this activity will occur.							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050			0.05	\$40.03	\$0
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obtain	4	1.000			4.00	\$40.03	\$2
CPPD look-up billing USOC's for co-provider	2	1.000			2.00	\$40.03	\$1
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000			2.00	\$40.03	\$1
Analyze request to determine co-provider, type of order, and installation optior	2.5	1.000			2.50	\$40.03	\$
Determine critical dates	1	1.000			1.00	\$40.03	\$0
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500			1.50	\$40.03	\$1
Populate required fields	3	1.000			3.00	\$40.03	\$2
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$40.03	\$3
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2
Handle calls from other departments working the order	5	0.600			3.00	\$40.03	\$2
Handle issues including conditioning, facility, cable&pair	5	0.080			0.40	\$40.03	\$0
total - INTERCONNECT SERVICE CENTER (ICS)					38.45		\$25
SIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0
GOC ORDER LOG	6	0.200			1.20	\$44.31	\$0
ENTER WA MASK	5	0.800			4.00	\$44.31	\$2
PREP LOOP INPUT/DRI	15	0.750			11.25	\$44.31	\$8
CIRCUIT DESIGN	30	1.000			30.00	\$44.31	\$22
DISTRIBUTE WORD DOC	2	0.900			1.80	\$44.31	\$1
total - DESIGN					49.25		\$36
INTRAL OFFICE FRAMES							
Jumper placed at MDF and interconnect Distribution Frame.							
Analyze order	5	1.000			5.00	\$43.81	\$3
Complete cross-connect (MDF and ICDF)	4	2.000			8.00	\$43.81	\$5
Complete Loop Qualification	2	1.000			2.00	\$43.81	\$1
Record DVA (Designed, Verified, Assigned) test results	2	1.000			2.00	\$43.81	\$1
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000			2.00	\$43.81	\$1.
total - CENTRAL OFFICE FRAMES		~			19.00		\$13.

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Work from	Time Minutes	Prob #1	Prob Prob Pro #2 #3 #4	16/00/00/00 to 16/16/00/00/00/00/00/00/00/00/00/00/00/00/00	Labor Mour	Cost
A	В	С	D E F	G	H	
				B * (C Thru F)		H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST FIRST (con't)						
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	5	1.000		5.00	\$43.81	\$3.65
NOTIFY CUSTOMER	5 10	1.000 1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				30.00		\$21.91
*DISCONNECT*						
-INTERCONNECT SERVICE CENTER (ICS)						
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	\$2.00
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000		2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$40.03	\$1.33
input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	\$6.67
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				23.00		\$15.34
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREEN	5	0.100		0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100		0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100		0.50	\$44.31	\$0.37
DISCONNECT CIRCUIT	5	0.100		0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100		0.20	\$44.31	\$0.15
Subtotal - DESIGN	<u> </u>			2.30		\$1.70
-CENTRAL OFFICE FRAMES						
Jumper removed at MDF and Interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3,65
Remove jumpers (mdf & icdf)	2.3	2.000		4.60	\$43.81	\$3.36
Complete work in WFADI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.65

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enter en en en en en en en en en en en en en	Time Minutes	Prob #1	Proti #2	Prob #3	Prob /	Applied Time (Minutes)	Labor Hour	Cost
A	В	C	D	E -	F —	G	н	
					В	* (C Thru F)		H * (G/60)

### DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST FIRST (con't)

Subtotal - SERVICE DELIVERY IMPLEMENTOR	15.00	\$10.95
Total For Service:	188.60	\$134.27
(Out 1 of Service).	100.00	\$134.21

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State: South Dakota

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Work Item	Time Wnutes	Prob #1	Prob #2	Proti Pri		Labor Mour Cost
A	В	Ç		E F	G	H I
					B * (C Thru F)	H * (G/60)

#### DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST FIRST (con't)

5447 Direct Cost			\$134.27
5448			
5449	Cost	Cost	
5450	Calculation	Factor	Cost
5451	ВС	D	E
5452 Merketing & Business Fees			
5453 Product Management Expense	D5453*E5447	0.019957	\$2.68
5454 Sales Expense	D5454*E5447	0.011877	\$1.59
5455 Product Advertising Expense	D5455*E5447	0.000000	\$0.00
5456 Business Fees (Other Operating Taxes)	D5456*Sum(E5447:E5455)	0.001483	\$0.21
5457 Total Marketing & Business Fees	Sum(E5447:E5456)		\$4.48
5458			
5459 Sub-Total Direct Cost & Marketing	E5447+E5457		\$138.75
5460			
5461 Other Direct Expenses			
5462 Network Operations	D5462*E5459	0.034832	\$4.83
5463 Network Support Assets	D5463*E5459	0.014703	\$2.04
5464 General Support Assets	D5464*E5459	0.088742	\$12.31
5465 General Purpose Computers	D5465*E5459	0.043342	\$6.01
5466 Uncollectible	D5466*E5459	0.003786	\$0.53
5467 Accounting & Finance Expense	D5467*E5459	0.007346	\$1.02
5468 Human Resources Expense	D5468*E5459	0.008294	\$1.15
5469 Information Management Expens€	D5469*E5459	0.070887	\$9.84
5470 Intangibles	D5470*E5459	0.000000	\$0.00
5471 Total Other Direct Expenses	Sum(E5462:E5470)		\$37.73
5472			
5473 TELRIC	E5462+E5471		\$176.48
5474			
5475 Common			
5476 Executive Expense	D5476*E5473	0.011267	\$1.99
5477 Planning Expense	D5477*E5473	0.000525	\$0.09
5478 External Relations Expense	D5478*E5473	0.037846	\$6.68
5479 Legal Expense	D5479*E5473	0.004717	\$0.83
5480 Other Procurement Expense	D5480*E5473	0.001860	\$0.33
5481 Research & Development Expense	D5481°E5473	0.000006	\$0.00
5482 Other General and Admin Expense	D5482*E5473	0.015064	\$2.66
5483 Common Costs	Sum(E5476:E5482)		\$12.58
5484			
5485 TELRIC + Common Costa	E5473+E5483		\$189.06

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A — —	В	C			Cost
			G B * (C Thru F)	Н	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST EA ADDL					
*ADD*					
-INTERCONNECT SERVICE CENTER (ICS)					
Populate required fields	3	1.000 1.000	3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	5.00 3.00	\$40.03 \$40.03	\$3.34 \$2.00
Handle calls from other departments working the order	ĭ	0.600	0.60	\$40.03	\$0.40
Handle issues including conditioning, facility, cable&pair	1	0.080	80.0	\$40.03	\$0.05
Subtotal - INTERCONNECT SERVICE CENTER (ICS)	<del>_</del>		 11.68		\$7.79
-DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.					
ORDER HANDLING/SCREENING	5	0.200	1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200	1.20	\$44.31	\$0.89
ENTER WA MASK PREP LOOP INPUT/DRI	5 15	0.800 0.750	4.00 11.25	\$44.31 \$44.31	\$2.95 \$8.31
CIRCUIT DESIGN	30	1.000	30.00	\$44.31 \$44.31	\$22.16
DISTRIBUTE WORD DOC	2	0.900	1.80	\$44.31	\$1.33
Subtotal - DESIGN			 49.25		\$36.37
-CENTRAL OFFICE FRAMES					
Jumper placed at MDF and Interconnect Distribution Frame.					
Analyze order	5	1.000	5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF) Complete Loop Qualification	4 2	2.000 1.000	8.00	\$43.81 \$43.81	\$5.84 \$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1,000	2.00 2.00	\$43.81	\$1.46 \$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000	2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES			 19.00	<del></del>	\$13.87
-SERVICE DELIVERY IMPLEMENTOR SCREEN WEA FOR CIRCUIT	10	1.000	10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	5	1.000	5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR			 25.00		\$18.25

\*DISCONNECT\*

-INTERCONNECT SERVICE CENTER (ICS)

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Work (beg)	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E	F	G B*(CThruF)	Н	l H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST EA ADDL (con't)						_ (,		(
Populate required fields	3	1.000				3.00	\$40.03	\$2.0
Input order into service order processor. Type and format order for billing and provisioning	5	1.000				5.00	\$40.03	\$3.3
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	\$2.0
Subtotal - INTERCONNECT SERVICE CENTER (ICS,						11.00		\$7.3
-DESIGN								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
ORDER HANDLING/SCREEN	5	0.100				0.50	\$44.31	\$0.3
GOC ORDER LOG	6	0.100				0.60	\$44.31	\$0.4
ENTER WA MASK	5	0.100				0.50	\$44.31	\$0.3
DISCONNECT CIRCUIT	5	0.100				0.50	\$44.31	\$0.3
DISTRIBUTE WORD DOC	2	0.100				0.20	\$44.31	\$0.1
Subtotal - DESIGN						2.30	<u> </u>	\$1.7
-CENTRAL OFFICE FRAMES								
Jumper removed at MDF and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	\$43.81	\$3.6
Remove jumpers (mdf & icdf)	2.3	2.000				4.60	\$43.81	\$3.30
Complete work in WFADI	2	1.000				2.00	\$43.81	\$1.40
Subtotal - CENTRAL OFFICE FRAMES						11.60		\$8.4
Total For Service:	· · · · · · · · · · · · · · · · · · ·		<del></del>			129.83		\$93.80

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deposits a pagas de pagas de la companya de la companya de la companya de la companya de la companya de la com	Time Minutes	Prob Prob	Prob Pro		Labor Hour Cost
A	В	С	E F	G	H
				B * (C Thru F)	H * (G/60)

# DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT TEST EA ADDL (con't)

5582 Direct Cost		con eni
5583		***************************************
5584	Cost Cost	
5585	Calculation Factor	Cost
5586	B 6 D	E
5587 Marketing & Business Fees		
5588 Product Management Expense	D5588°E5582 0.0199	57 \$1.87
5589 Sales Expense	<b>D5589°E5582</b> 0.0118	377 \$1.11
5590 Product Advertising Expense	<b>D5590*E5582</b> 0.0000	00.00
5591 Business Fees (Other Operating Taxes)	D5591*Sum(E5582:E5590) 0.0014	183 <u>\$0.14</u>
5592 Total Marketing & Business Fees	Sum(E5582:E5591)	\$3.13
5593		
5594 Sub-Total Direct Cost & Marketing	E5582+E5592	\$96.93
5595		
5596 Other Direct Expenses		
5597 Network Operations	<b>D5597*E5594</b> 0.0348	32 \$3.38
5598 Network Support Assets	<b>D5598*E</b> 55 <b>94</b> 0.0147	03 \$1.43
5599 General Support Assets	<b>D5599*E5594</b> 0.0887	
5600 General Purpose Computers	<b>D5600°E5594</b> 0.0433	
5601 Uncollectible	<b>D5601*E5594</b> 0.0037	
5602 Accounting & Finance Expense	<b>D5602*E5594</b> 0.0073	
5603 Human Resources Expense	D5603*E5594 0.0082	
5604 Information Management Expens∈	<b>D5604*E5594</b> 0.0708	
5605 Intangibles	D5605°E5594 0.0000	
5606 Total Other Direct Expenses	Sum(E5597:E5605)	\$26.36
5607		
5608 TELRIC	E5597+E5606	\$123.29
5609		
5610 Common		
5611 Executive Expense	<b>D5611*E5608</b> 0.0112	
5612 Planning Expense	<b>D5612*E5608</b> 0.0005	
5613 External Relations Expense	D5613*E5608 0.0378	
5614 Legal Expense	D5614*E5608 0.0047	
5615 Other Procurement Expense	D5615*E5608 0.0018	
5616 Research & Development Expense	D5616*E5608 0.0000	
5617 Other General and Admin Expense	D5617*E5608 0.0150	
5618 Common Costs	Sum(E5611:E5617)	\$8.79
5619	Freed, Freed	0400 05
5620 TELRIC + Common Costs	E5608+E5618	\$132.07

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Work Rein	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	Ċ	D E F	G B * (C Thru F)	H	l H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST						
*ADD*						
-INTERCONNECT SERVICE CENTER (ICS)						
.05, .5, .6, .08 probabilities is percent of time this activity will occur.						
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	\$2.00
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050		0.05	\$40.03	\$0.03
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obtain	4	1.000		4.00	\$40.03	\$2.67
CPPD look-up billing USOC's for co-provider	2	1.000		2.00	\$40.03	\$1.33
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation option	2 2.5	1.000		2.00	\$40.03	\$1.33
Analyze request to determine co-provider, type of order, and installation option  Determine critical dates	∠.5 1	1.000 1.000		2.50 1.00	\$40.03 \$40.03	\$1.67 \$0.67
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500		1.50	\$40.03 \$40.03	\$0.67 \$1.00
Populate required fields	3	1.000		3.00	\$40.03	\$1.00 \$2.00
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000		3.00	\$40.03	\$2.00 \$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Handle calls from other departments working the order	5	0.600		3.00	\$40.03	\$2.00
Handle issues including conditioning, facility, cable&pair	5	0.080		0.40	\$40.03	\$0.27
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				38.45		\$25.65
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	0.200		1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200		1.20	\$44.31	\$0.89
ENTER WA MASK	5	0.800		4.00	\$44.31	\$2.95
PREP LOOP INPUT/DRI	15	0.750		11.25	\$44.31	\$8.31
CIRCUIT DESIGN	30	1.000		30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31	\$1.33
Subtotal - DESIGN				49.25		\$36.37
-CENTRAL OFFICE FRAMES						
Jumper placed at MDF and Interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000		2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)  Perform continuity stress testing	2	1.000		2.00	\$43.81	\$1.46
Set up due date test with I&M technician	10 2	1.000 1.000		10.00 2.00	\$43.81 \$43.81	\$7.30 \$1.46
Complete due date work status with Implementor	3	1.000		3.00	\$43.81 \$43.81	\$1.46 \$2.19
Complete due date work status with implementor	3	1.000		3.00	Φ43.0 I	⊅∠.19

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Product Group: Interconnection

State: South Dakota

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ate. South Dakola	Time	Prob	Prob Prob Prob			
Work Jean	Minutes	#1		Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D E F	G B * (C Thru F)	H	J H * (G/66
S1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (con't)						
btotal - CENTRAL OFFICE FRAMES				34.00		\$2
RAC						
SCREEN ORDER	2	1.000		2.00	\$37.78	
LOAD WORK REQUEST TO TECH	5	1.000		5.00	\$37.78	
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	
COMPLETE WORK IN WFADO	3	1.000		3.00	\$37.78	
total - LRAC				13.00		
STALLATION/FIELD TECHNICIAN						
Analyze Order	1	1.000		1.00	\$42.68	
TRAVEL TIME	21	1.000		21.00	\$42.68	
0.2 probability is percent of time Serving Area Interface, Service Terminal work required.	13	0.200		0.00	0.40.00	
Complete Service Area Interface work Complete Service Terminal work	15	0.200		2.60	\$42.68	
Customer Contact	5	1.000		3.00 5.00	\$42.68 \$42.68	
CONTACT CCTI TO WORK ORDER	3	1.000		3.00	\$42.68	
COMPLETE PERFORMANCE/CONFORMANCE TESTING	15	1.000		15.00	\$42.68	5
COMPLETE WITH LRAC	3	1.000		3.00	\$42.68	•
total - INSTALLATION/FIELD TECHNICIAN				53.60		
RVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	15	1.000		15.00	\$43.81	5
VERIFY LNO FOR CIRCUIT	10	1.000		10.00	\$43.81	
TEST CIRCUIT	35	1.000		35.00	\$43.81	;
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	
total - SERVICE DELIVERY IMPLEMENTOR				75.00		
SCONNECT*						
TERCONNECT SERVICE CENTER (ICS)						
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000		2.00	\$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	
Populate required fields	3	1.000	N	3.00	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	
total - INTERCONNECT SERVICE CENTER (ICS)	<del></del>			23.00		

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Work flam	Time Minutes	Ħ	Prob Prob Prot #2 #3 #4	(Minutes)	Lebor Mour	Cost
A .	В	C	D E F	G B * (C Thru F)	Н	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (con't)						
<u>DESIGN</u>						
Probabilities are % manual work required. Reciprocal is mechanization rate.	_	0.400				•
ORDER HANDLING/SCREEN	5	0.100 0.100		0.50	\$44.31	\$0.3 \$0.4
GOC ORDER LOG ENTER WA MASK	5	0.100		0.60 0.50	\$44.31 \$44.31	\$0.4 \$0.5
DISCONNECT CIRCUIT	ວ 5	0.100		0.50	\$44.31	\$0.3 \$0.3
DISTRIBUTE WORD DOC	2	0.100		0.20	\$44.31	\$0.
ubtotal - DESIGN				2.30		\$1.
CENTRAL OFFICE FRAMES						
Jumper removed at MDF and Interconnect Distribution Frame.	_				*	
Analyze order	5	1.000		5.00	\$43.81	\$3.
Remove jumpers (mdf & icdf)	2.3	2.000		4.60	\$43.81	\$3.
Complete work in WFADI	2	1.000		2.00	\$43.81	\$1.4
ubtotal - CENTRAL OFFICE FRAMES				11.60		\$8.4
SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.6
CONTACT CUSTOMER	5	1.000		5.00	\$43.81	\$3.6
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.6
ubtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.5
otal For Service:				315.20		\$224.3

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Work Rem A	Time Minutes B	To be to be the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr	Prob Prob #2 #3 D E	Prob Applied Time #4 (Minutes) F G	Leiber Atour Cost H
				B * (C Thru F)	H * (G/60)

### DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (con't)

5762 Direct Cost			\$224.39
5763			***********
57 <del>6</del> 4	Cos	Cost	
5765	Calculation	Fector	Cost
5766	B C	D	
5767 Marketing & Business Fees			
5768 Product Management Expense	D5768*E5762	0.019957	\$4,48
5769 Sales Expense	D5769*E5762	0.011877	\$2.67
5770 Product Advertising Expense	D5770*E5762	0.000000	\$0.00
5771 Business Fees (Other Operating Taxes)	D5771*Sum(E5762:E5770)	0.001483	\$0.34
5772 Total Marketing & Business Fees	Sum(E5762:E5771)		\$7.49
5773			
5774 Sub-Total Direct Cost & Marketing	E5762+E5772		\$231.88
5775			
5776 Other Direct Expenses			
5777 Network Operations	D5777*E5774	0.034832	\$8.08
5778 Network Support Assets	D5778*E5774	0.014703	\$3.41
5779 General Support Assets	D5779*E5774	0.088742	\$20.58
5780 General Purpose Computers	D5780*E5774	0.043342	\$10.05
5781 Uncollectible	D5781*E5774	0.003786	\$0.88
5782 Accounting & Finance Expensε	D5782*E5774	0.007346	\$1.70
5783 Human Resources Expense	D5783*E5774	0.008294	\$1.92
5784 Information Management Expense	D5784*E5774	0.070887	\$16.44
5785 Intangibles	D5785*E5774	0.000000	\$0.00
5786 Total Other Direct Expenses	Sum(E5777:E5785)		\$63.05
5787			
5788 TELRIC	E5777+E5786		\$294.93
5789			_
5790 Common			
5791 Executive Expense	D5791*E5788	0.011267	\$3.32
5792 Planning Expense	D5792*E5788	0.000525	\$0.15
5793 External Relations Expens€	D5793*E5788	0.037846	\$11.16
5794 Legal Expense	D5794*E5788	0.004717	\$1.39
5795 Other Procurement Expense	D5795*E5788	0.001860	\$0.55
5796 Research & Development Expense	D5796*E5788	0.000006	\$0.00
5797 Other General and Admin Expense	D5797*E5788	0.015064	\$4.44
5798 Common Costs	Sum(E5791:E5797)		\$21.02
5799			
5800 TELRIC + Common Costs	E5788+E5798		\$315.96

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Work tiem	Time Minutes	Prob #1	Prob Pr	ob Prob 3 #4	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	Ċ	D I	F F	G B * (C Thru F)	H	l H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL							
* <u>ADD*</u>							
-INTERCONNECT SERVICE CENTER (ICS)							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000			5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Handle calls from other departments working the order	1	0.600			0.60	\$40.03	\$0.40
Handle issues including conditioning, facility, cable&pair	1	0.080			0.08	\$40.03	\$0.05
Subtotal - INTERCONNECT SERVICE CENTER (ICS)					11.68		\$7.79
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200			1.20	\$44.31	\$0.89
ENTER WA MASK	.5	0.800			4.00	\$44.31	\$2.95
PREP LOOP INPUT/DRI	15	0.750			11.25	\$44.31	\$8.31
CIRCUIT DESIGN DISTRIBUTE WORD DOC	30 2	1.000 0.900			30.00 1,80	\$44.31 \$44.31	\$22.16 \$1.33
DISTRIBUTE WORLD DOO		0.300				<del>Ф44</del> .31	Ψ1.03
Subtotal - DESIGN					49.25		\$36.37
-CENTRAL OFFICE FRAMES							
Jumper placed at MDF and interconnect Distribution Frame.							
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000			8.00	\$43.81	\$5.84
Complete Loop Qualification Record DVA (Designed, Verified, Assigned) test results	2 2	1.000 1.000			2.00 2.00	\$43.81 \$43.81	\$1.46 \$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000			2.00	\$43.81	\$1.46 \$1.46
Perform continuity stress testing	10	1,000			10.00	\$43.81	\$7.30
Set up due date test with I&M technician	1	1.000			1.00	\$43.81	\$0.73
Complete due date work status with Implementor	1	1.000			1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES					31.00		\$22.64
					<u> </u>		
-LRAC SCREEN ORDER	2	1.000			2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1.000			5.00	\$37.78	\$3.15
CLOSE OUT WORK REQUEST	3	1.000			3.00	\$37.78	\$1.89
COMPLETE WORK IN WFADO	3	1.000			3.00	\$37.78	\$1.89
Subtotal - LRAC					13.00		\$8.19

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A	В	C	D E F G B*(C Thru F)	H	H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL (con't)					
INOTALL ATION FIGURE DE TROUBUIGNAM					
-INSTALLATION/FIELD TECHNICIAN  0.2 probability is percent of time Serving Area Interface, Service Terminal work required.					
Complete Service Area Interface work	10	0.200	2.00	\$42.68	\$1,42
Complete Service Terminal work	10	0.200	2.00	\$42.68	\$1.42
COMPLETE PERFORMANCE/CONFORMANCE TESTING	10	1.000	10.00	\$42.68	\$7.11
COMPLETE WITH LRAC	1	1.000	1.00	\$42.68	\$0.71
Subtotal - INSTALLATION/FIELD TECHNICIAN			15.00		\$10.67
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	15	1.000	15.00	\$43.81	\$10.95
VERIFY LNO FOR CIRCUIT	10	1.000	10.00	\$43.81	\$7.30
TEST CIRCUIT	35	1.000	35.00	\$43.81	\$25.56
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR			70.00		\$51.11
*DISCONNECT*					
-INTERCONNECT SERVICE CENTER (ICS)	_				
Populate required fields	3	1.000	3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5 3	1.000 1.000	5.00	\$40.03 \$40.03	\$3.34 \$2.00
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	3.00	<b>\$40.03</b>	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS,			11.00		\$7.34
-DESIGN					
Probabilities are % manual work required. Reciprocal is mechanization rate.					
ORDER HANDLING/SCREEN	5	0.100	0.50	\$44.31	\$0.37
GOC ORDER LOG	6 5	0.100	0.60	\$44.31 \$44.31	\$0.44
ENTER WA MASK DISCONNECT CIRCUIT	5 5	0.100 0.100	0.50 0.50	\$44.31	\$0.37 \$0.37
DISTRIBUTE WORD DOC	2	0.100	0.20	\$44.31	\$0.15
Subtotal - DESIGN	. <u>.</u>	<del></del>	2,30		\$1.70
		·			
-CENTRAL OFFICE FRAMES					
Jumper removed at MDF and Interconnect Distribution Frame.  Analyze order	5	1.000	5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf)	2.3	2.000	4.60	\$43.81	\$3.36
Complete work in WFADI	2.5	1.000	2.00	\$43.81	\$1.46
	_		2.77		ŢV

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	Work Rem		Time Minutes	Proti #1	Prob #2	Prob	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
	A		В	С	Đ	Ē	F	G B * (C Thru F)	H	I H * (G/60)
								B (0 111101)		(6,00)
DS1,DS3,OCN 3,12,48 LOOP BASIC INS	TALL WITH COOP TEST EA AD	DL (con't)						2 (0111101)		(6.00)
DS1,DS3,OCN 3,12,48 LOOP BASIC INS	TALL WITH COOP TEST EA AD	DL (con't)						11.60		\$8.47

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Work Rem A	Time Minutes B	Prob Prob #1 #2 C D	Prob Pri		ebor four Cost H
				B * (C Thru F)	H * (G/60)

# DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL (con't)

5942 Direct Cost			\$154.27
5943			
5944	Cost	Cost	
5945	Calculation	Fector	Cost
5946	6 C	D	E
5947 Marketing & Business Fees			
5948 Product Management Expense	D5948*E5942	0.019957	\$3.08
5949 Sales Expense	D5949*E5942	0.011877	\$1.83
5950 Product Advertising Expense	D5950°E5942	0.000000	\$0.00
5951 Business Fees (Other Operating Taxes)	D5951*Sum(E5942:E5950)	0.001483	\$0.24
5952 Total Marketing & Business Fees	Sum(E5942:E5951)		\$5.15
5953			
5954 Sub-Total Direct Cost & Marketing	E5942+E5952		\$159.42
5955			
5956 Other Direct Expenses			
5957 Network Operations	D5957*E5954	0.034832	\$5.55
5958 Network Support Assets	D5958*E5954	0.014703	\$2.34
5959 General Support Assets	D5959*E5954	0.088742	\$14.15
5960 General Purpose Computers	D5960*E5954	0.043342	\$6.91
5961 Uncollectible	D5961*E5954	0.003786	\$0.60
5962 Accounting & Finance Expense	D5962*E5954	0.007346	\$1.17
5963 Human Resources Expense	D5963*E5954	0.008294	\$1.32
5964 Information Management Expense	D5964*E5954	0.070887	\$11.30
5965 Intangibles	D5965*E5954	0.000000	\$0.00
5966 Total Other Direct Expenses	Sum(E5957:E5965)		\$43.35
5967			
5968 TELRIC	E5957+E5966		\$202.77
5969			
5970 Common			
5971 Executive Expense	D5971*E5968	0.011267	\$2.28
5972 Planning Expense	D5972*E5968	0.000525	\$0.11
5973 External Relations Expens€	D5973*E5968	0.037846	\$7.6 <b>7</b>
5974 Legal Expense	D5974*E5968	0.004717	\$0.96
5975 Other Procurement Expense	D5975*E5968	0.001860	\$0.38
5976 Research & Development Expense	D5976*E5968	0.000006	\$0.00
5977 Other General and Admin Expense	D5977*E5968	0.015064	\$3.05
5978 Common Costs	Sum(E5971:E5977)		\$14.45
5979			
5980 TELRIC + Common Costs	E5968+E5978		\$217.23

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Work item	Time Minutes	Prob #1	Prob		rob Applied Time M (Minutes)	Labor Mour	Cost
A	В	Ċ	D	E	F G B*(CThru F)	Н	I H * (G/60)
PRIVATE LINE TO UNBUNDLED LOOP CONVERSION							
*ADD*							
-INTERCONNECT SERVICE CENTER							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$39.16	\$1.96
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000			4.00	\$39.16	\$2.61
CPPD look-up billing USOC's for co-provider	2	1.000			2.00	\$39.16	\$1.31
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000 1.000			2.00 2.00	\$39.16 \$39.16	\$1,31 \$1,31
Verify Qwest end user Customer Service Record if order issuance applicable to this product Determine if the end user has Qwest retail contract	2	1.000			2.00	\$39.16	\$1.31 \$1.31
Determine intrological dates	1	1.000			1.00	\$39.16	\$0.65
Populate required fields	ġ	1.000			3.00	\$39.16	\$1.96
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$39.16	\$1.96
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$39.16	\$6.53
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$39.16	\$1.96
Subtotal - INTERCONNECT SERVICE CENTER					35.00		\$22.84
-SERVICE DESIGN CENTER - IMPLEMENTOR							
Access Work Authorization	2	1.000			2.00	\$44.31	\$1.48
Closeout activities	3	1.000			3.00	\$44.31	\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR					5.00		\$3.69
Total For Service:					40.00		\$26.54

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enganggan paggangganggan paggangganggangganggangganggangganggangg	Time Minutes	Prob #1		Prob Prob #3 #4		abor Hour Cost
A	В	С	D	E F	G	Н
					B * (C Thru F)	H * (G/60)

# PRIVATE LINE TO UNBUNDLED LOOP CONVERSION (con't)

6032 Direct Cost		526.54
6033		
6034	Cost Cost	
6035	Calculation Factor	Cost
6036	B C D	E
6037 Marketing & Business Fees		
6038 Product Management Expense	D6038*E6032 0.019957	\$0.53
6039 Sales Expense	D6039*E6032 0.011877	\$0.32
6040 Product Advertising Expense	D6040*E6032 0.000000	\$0.00
6041 Business Fees (Other Operating Taxes)	D6041*Sum(E6032:E6040) 0.001483	\$0.04
6042 Total Marketing & Business Fees	Sum(E6032:E6041)	\$0.89
6043		
6044 Sub-Total Direct Cost & Marketing	E6032+E6042	\$27.42
6045		
6046 Other Direct Expenses		
6047 Network Operations	D6047*E6044 0.034832	\$0.96
6048 Network Support Assets	D6048°E6044 0.014703	\$0.40
6049 General Support Assets	D6049*E6044 0.088742	\$2.43
6050 General Purpose Computers	D6050*E6044 0.043342	\$1.19
6051 Uncollectible	D6051*E6044 0.003786	\$0.10
6052 Accounting & Finance Expense	D6052*E6044 0.007346	\$0.20
6053 Human Resources Expense	D6053*E6044 0.008294	\$0.23
6054 Information Management Expens∈	D6054*E6044 0.070887	\$1.94
6055 Intangibles	D6055*E6044 0.000000	\$0.00
6056 Total Other Direct Expenses	Sum(E6047:E6055)	\$7.46
6057		
6058 TELRIC	E6047+E6056	\$34.88
6059		
6060 Common		
6061 Executive Expense	D6061*E6058 0.011267	\$0.39
6062 Planning Expense	D6062*E6058 0.000525	\$0.02
6063 External Relations Expens∈	D6063*E6058 0.037846	\$1.32
6064 Legal Expense	D6064*E6058 0.004717	\$0.16
6065 Other Procurement Expense	<b>D6065*E6058</b> 0.001860	\$0.06
6066 Research & Development Expense	D6066*E6058 0.000006	\$0.00
6067 Other General and Admin Expense	D6067*E6058 0.015064	\$0.53
6068 Common Costs	Sum(E6061:E6067)	\$2.49
6069		
6070 TELRIC + Common Costs	E6058+E6068	\$37.36

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Work item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E	F	G B * (C Thru F)	Н	1 H * (G/60)
BLOOP DISTRIBUTION FIRST								
<u>20°</u>								
TERCONNECT SERVICE CENTER (ICS)								
.6, .05 probabilities is percent of time this activity will occur.	_							
Review LSR for completeness and accuracy, contractual entries	3	1.000				3.00	\$40.03	9
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta CPPD look-up billing USOC's for co-provider	4 2	1.000 1.000				4.00 2.00	\$40.03 \$40.03	\$
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000				2.00	\$40.03	9
Analyze request to determine co-provider, type of order, and installation optior	2.5	1.000				2.50	\$40.03	
Populate required fields	3	1.000				3.00	\$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000				3.00	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	1.000				10.00	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	
Handle calls from other departments working the order	5	0.600				3.00	\$40.03	
Handle issues including conditioning, facility, cable&pair	5	0.050				0.25	\$40.03	
total - INTERCONNECT SERVICE CENTER (ICS)	<del></del>					35.75		
AR RECOVERED (I SA)		· · · · · · · · · · · · · · · · · · ·					_	
OP PROVISIONING CENTER (LPC) Probability is % manual work required.								
Clear RMA (Request for manual assistance)	11.25	0.150				1,69	\$37.78	
Olda Fillin (Hodaest for manda assistance)	11.25	0.100				1.03	ψ07.70	
otal - LOOP PROVISIONING CENTER (LPC)						1.69		
<u>AC</u>								
Probabilities are % manual work required. Reciprocal is mechanization rate.	_							
SCREEN ORDER	2	0.200				0.40	\$37.78	
LOAD WORK REQUEST/TECH LOAD SYSTEM	2 3	0.200				0.40	\$37.78	
CLOSE OUT ORDER WITH TECH	3	0.050				0.15	\$37.78	
otal - LRAC						0.95		
TALLATION/FIELD TECHNICIAN								
Travel time	21	1.000				21.00	\$42.68	\$
Service Area Interface/field connection point work activity.	13	1.000				13.00	\$42.68	
0.3 probability is percent of time new service will ordered requiring work at premises.							•	
Perform premises work activities.	35	0.300				10.50	\$42.68	
Testing and turn up.	20	0.300				6.00	\$42.68	
Close order in field access system/ WFADO	3	1.000				3.00	\$42.68	

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Work Rem	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor Mour	Cost
<b>A</b>	В	С	D	G B * (C Thru F)	н	H * (G/60)
SUBLOOP DISTRIBUTION FIRST (con't)						
*DISCONNECT*						
INTERCONNECT SERVICE CENTER (ICS)	•	1.000			640.00	<b>6</b> 0.00
Review LSR for completeness and accuracy, contractual entries  Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	3	1.000 1.000		3.00 2.00	\$40.03 \$40.03	\$2.00 \$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$40.03	\$1.33
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000		10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				23.00		\$15.34
-LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required.						
Clear RMA (Request for manual assistance)	11.25	0.150		1.69	\$37.78	\$1.06
Subtotal - LOOP PROVISIONING CENTER (LPC)				1.69		\$1.06
Total For Service:		<del></del>		116.58	·· <del>·</del>	\$79.98

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Work item	Time Minutes		rob Prob #2 #3	Prob Applied Time #4 (Minutes)	Lebor /Hour Cost
A	6	C	D E	F G	Н
				B * (C Thru F)	H * (G/60)

#### SUBLOOP DISTRIBUTION FIRST (con't)

			\$79.98
6168 6169	Coal	Cost	
		CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	
6170	Calculation B C	Factor	Cost
6171	<u> </u>	D	E
6172 Marketing & Business Fees	504704		<b>.</b>
6173 Product Management Expense	D6173*E6167	0.019957	\$1.60
6174 Sales Expense	D6174*E6167	0.011877	\$0.95
6175 Product Advertising Expense	D6175°E6167	0.000000	\$0.00
6176 Business Fees (Other Operating Taxes)	D6176*Sum(E6167:E6175)	0.001483	\$0.12
6177 Total Marketing & Business Fees	Sum(E6167:E6176)		\$2.67
6178			
6179 Sub-Total Direct Cost & Marketing	E6167+E6177		\$82.64
6180			
6181 Other Direct Expenses			
6182 Network Operations	D6182*E6179	0.034832	\$2.88
6183 Network Support Assets	D6183*E6179	0.014703	\$1.22
6184 General Support Assets	D6184*E6179	0.088742	\$7.33
6185 General Purpose Computers	D6185*E6179	0.043342	\$3.58
6186 Uncollectible	D6186*E6179	0.003786	\$0.31
6187 Accounting & Finance Expense	D6187*E6179	0.007346	\$0.61
6188 Human Resources Expense	D6188*E6179	0.008294	\$0.69
6189 Information Management Expense	D6189*E6179	0.070887	\$5.86
6190 Intangibles	D6190*E6179	0.000000	\$0.00
6191 Total Other Direct Expenses	Sum(E6182:E6190)		\$22.47
6192			
6193 TELRIC	E6182+E6191		\$105.12
6194			
6195 Common			
6196 Executive Expense	D6196*E6193	0.011267	\$1.18
6197 Planning Expense	D6197*E6193	0.000525	\$0.06
6198 External Relations Expense	D6198*E6193	0.037846	\$3.98
6199 Legal Expense	D6199*E6193	0.004717	\$0.50
6200 Other Procurement Expense	D6200*E6193	0.001860	\$0.20
6201 Research & Development Expense	D6201*E6193	0.000006	\$0.00
6202 Other General and Admin Expense	D6202*E6193	0.015064	\$1.58
6203 Common Costs	Sum(E6196;E6202)		\$7.49
6204			
6205 TELRIC + Common Costs	E6193+E6203		\$112.61

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	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
Work Rem	Minutes	ži –	#2	#3 #4	(Minutes)	Моиг	Cost
A	В	С	U	E F	G B*(C Thru F)	н —	H * (G/60)
SUBLOOP DISTRIBUTION EACH ADDITIONAL							
*ADD*							
-INTERCONNECT SERVICE CENTER (ICS)							
.6, .08 probabilities is percent of time this activity will occur.							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000 1.000			5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order	3 1	0.600			3.00 0.60	\$40.03 \$40.03	\$2.00 \$0.40
Handle issues including conditioning, facility, cable&pair	i	0.080			0.08	\$40.03	\$0.05
Subtotal - INTERCONNECT SERVICE CENTER (ICS;					11.68		\$7.79
-INSTALLATION/FIELD TECHNICIAN							
Service Area Interface/field connection point work activity.	5	1.000			5.00	\$42.68	\$3.56
0.3 probability is percent of time new service will ordered requiring work at premises.							
Perform premises work activities.	10 5	0.300 0.300			3.00 1.50	\$42.68 \$42.68	\$2.13
Testing and turn up.	5	0.300			1.50	<b>\$42.00</b>	\$1.07
Subtotal - INSTALLATION/FIELD TECHNICIAN					9.50		\$6.76
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER (ICS)							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000			5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS,					11.00		\$7.34
-LOOP PROVISIONING CENTER (LPC)							
Probability is % manual work required.							
Clear RMA (Request for manual assistance)	11.25	0.150			1.69	\$37.78	<b>1 \$1.06</b>
Subtotal - LOOP PROVISIONING CENTER (LPC;		<u> </u>			1.69		\$1.06
Total For Service:					33.87		\$22,95

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work item	Time Minutes	Prob Pri	ob Prob 2 KS	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
Ā	В	C	) E	F	G	Н	
					B * (C Thru F)		H * (G/60)

#### SUBLOOP DISTRIBUTION EACH ADDITIONAL (con't,

			38030300° (***V~~~~~~
6257 Direct Coef 6258			\$22.96
6259	Cost	Cost	
6260	Calculation	Fector	Cost
6261	B C	D	F
		•	
6262 Marketing & Business Fees	D6263*E6257	0.019957	\$0.46
6263 Product Management Expense	D6264*E6257	0.019957	\$0.46
6264 Sales Expense	D6264*E6257	0.000000	\$0.27
6265 Product Advertising Expense			
6266 Business Fees (Other Operating Taxes)	D6266*Sum(E6257:E6265)	0.001483	\$0.04
6267 Total Marketing & Business Fees	Sum(E6257:E6266)		\$0.77
6268	E6257+E6267		£00 70/
6269 Sub-Total Direct Cost & Marketing	E6257+E6267		\$23.72
6270			
6271 Other Direct Expenses	D00701F4400	0.004000	<b>**</b> • • • • • • • • • • • • • • • • • •
6272 Network Operations	D6272*E6269	0.034832	\$0.83
6273 Network Support Assets	D6273*E6269	0.014703	\$0.35
6274 General Support Assets	D6274*E6269	0.088742	\$2.10
6275 General Purpose Computers	D6275*E6269	0.043342	\$1.03
6276 Uncollectible	D6276*E6269	0.003786	\$0.09
6277 Accounting & Finance Expense	D6277*E6269	0.007346	\$0.17
6278 Human Resources Expense	D6278*E6269	0.008294	\$0.20
6279 Information Management Expens€	D6279*E6269	0.070887	\$1.68
6280 Intangibles	D6280*E6269	0.000000	\$0.00
6281 Total Other Direct Expenses	Sum(E6272:E6280)		\$6.45
6282 6283 TELRIC	E6272+E6281		\$30.17
6284	E0272+C0201		\$30.17
6285 Common			
6286 Executive Expense	D6286*E6283	0.011267	\$0.34
6287 Planning Expense	D6287*E6283	0.000525	\$0.02
6288 External Relations Expense	D6288*E6283	0.037846	\$1.14
6289 Legal Expense	D6289*E6283	0.004717	\$0.14
6290 Other Procurement Expense	D6290*E6283	0.001860	\$0.06
6291 Research & Development Expense	D6291*E6283	0.000006	\$0.00
6292 Other General and Admin Expense	D6292*E6283	0.015064	\$0.45
6293 Common Costs	Sum(E6286;E6292)		\$2.15
6294			<del></del>
6295 TELRIC + Common Costs	E6283+E6293		\$32.32
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			7-20,000

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work them	Time Minutes	Prob	Prots #2	Prob #1	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
Ā	В	С	D	E	F	G B * (C Thru F)	Н	H * (G/60)
						B (O mar)		11 (G/00)
SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST								
*ADD*								
-INTERCONNECT SERVICE CENTER (ICS)								
.6, .05 probabilities is percent of time this activity will occur.	_							
Review LSR for completeness and accuracy, contractual entries Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	3	1.000 1.000				3.00	\$40.03 \$40.03	\$2.00 \$2.67
CPPD look-up billing USOC's for co-provider	2	1.000				4.00 2.00	\$40.03	\$2.67 \$1.33
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000				2.00	\$40.03	\$1.33
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000				2.50	\$40.03	\$1.67
Populate required fields	3	1.000				3.00	\$40.03	\$2.00
Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning	3 10	1.000 1.000				3.00 10.00	\$40.03 \$40.03	\$2.00 \$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	\$2.00
Handle calls from other departments working the order	5	0.600				3.00	\$40.03	\$2.00
Handle issues including conditioning, facility, cable&pail	5	0.050				0.25	\$40.03	\$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						35.75		\$23.85
LOOP PROMISIONING OFFITER (LPG)		<del></del>						
-LOOP PROVISIONING CENTER (LPC) Probability is % manual work required.								
Clear RMA (Request for manual assistance)	11.25	0.150				1.69	\$37.78	\$1.06
Subtotal - LOOP PROVISIONING CENTER (LPC)						1.69		\$1.06
*DISCONNECT*								
-INTERCONNECT SERVICE CENTER (ICS)								
Review LSR for completeness and accuracy, contractual entries	3	1.000				3.00	\$40.03	\$2.00
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000				2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)  Populate required fields	3	1.000 1.000				2.00 3.00	\$40.03 \$40.03	\$1.33 \$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000				10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000				3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						23.00		\$15.34
-LOOP PROVISIONING CENTER (LPC)								
Probability is % manual work required.								
Clear RMA (Request for manual assistance)	11.25	0.150				1.69	\$37.78	\$1.06
Subtotal - LOOP PROVISIONING CENTER (LPC)			<del>-</del>			1.69		\$1.06

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State: South Dakota

Total For Service:

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62.13

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\$41.32

Time Prob Prob Prob Prob Prob Minutes \$1 \$2 \$3 \$4  A B C D E F		Labor Mour Cost
	B * (C Thru F)	H * (G/60)
SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST (con't,		

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Work Rem	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

### SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST (con't,

6392 Direct Cost		\$41.32
6393		
6394	Cost Cost	
6395	Calculation Factor	Cost
6396	8 C D	8
6397 Marketing & Business Fees		
6398 Product Management Expense	D6398*E6392 0.0199	957 \$0.82
6399 Sales Expense	D6399*E6392 0.0118	377 \$0.49
6400 Product Advertising Expense	<b>D6400*E6392</b> 0.0000	000 \$0.00
6401 Business Fees (Other Operating Taxes)	D6401*Sum(E6392:E6400) 0.0014	183 \$0.06
6402 Total Marketing & Business Fees	Sum(E6392:E6401)	\$1.38
6403		
6404 Sub-Total Direct Cost & Marketing	E6392+ E6402	\$42.70
6405		
6406 Other Direct Expenses		
6407 Network Operations	D6407*E6404 0.0348	332 \$1.49
6408 Network Support Assets	D6408*E6404 0.0147	703 \$0.63
6409 General Support Assets	D6409*E6404 0.0887	742 \$3.79
6410 General Purpose Computers	D6410*E6404 0.0433	142 \$1.85
6411 Uncollectible	D6411*E6404 0.0037	786 \$0.16
6412 Accounting & Finance Expense	D6412*E6404 0.0073	346 \$0.31
6413 Human Resources Expense	D6413*E6404 0.0082	94 \$0.35
6414 Information Management Expense	D6414*E6404 0.0708	87 \$3.03
6415 Intangibles	D6415*E6404 0.0000	000 \$0.00
6416 Total Other Direct Expenses	Sum(E6407:E6415)	\$11.61
6417		
6418 TELRIC	E6407+E6416	\$54.31
6419		
6420 Common		
6421 Executive Expense	D6421*E6418 0.0112	67 \$0,61
6422 Planning Expense	D6422*E6418 0.0005	25 \$0.03
6423 External Relations Expense	D6423*E6418 0.0378	46 \$2.06
6424 Legal Expense	D6424*E6418 0.0047	17 \$0.26
6425 Other Procurement Expense	D6425*E6418 0.0018	60 \$0.10
6426 Research & Development Expense	D6426*E6418 0.0000	006 \$0.00
6427 Other General and Admin Expense	D6427*E6418 0.0150	64 \$0.82
6428 Common Costs	Sum(E6421:E6427)	\$3.87
6429		
6430 TELRIC + Common Costs	E6418+E6428	\$58.18

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= <del></del>							
Work them	Time Minutes	Prob #1	#2	Prob Prob	Applied Time (Minstee)	Labor Mour	Cost
<b>A</b>	В	С	D	E F	G B * (C Thru F)	Н	I H * (G/60)
SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL							
*ADD*							
-INTERCONNECT SERVICE CENTER (ICS)							
.6, .08 probabilities is percent of time this activity will occur.							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000			5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000 0.600			3.00 0.60	\$40.03 \$40.03	\$2.00
Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pair	1	0.050			0.60	\$40.03	\$0.40 \$0.03
natitie issues including conditioning, facility, cableapan	•	0.030			0.05	ф <del>4</del> 0.03	φυ.υσ
Subtotal - INTERCONNECT SERVICE CENTER (ICS;					11.65		\$7.77
-LOOP PROVISIONING CENTER (LPC)			•				
Probability is % manual work required.							
Clear RMA (Request for manual assistance)	11.25	0.150			1.69	\$37.78	\$1.06
Subtotal - LOOP PROVISIONING CENTER (LPC)					1.69	<b></b>	\$1.06
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER (ICS)							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000			5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ICS)					11.00		\$7.34
-LOOP PROVISIONING CENTER (LPC)							
Probability is % manual work required.							
Clear RMA (Request for manual assistance)	11.25	0.150			1.69	\$37.78	\$1.06
Subtotal - LOOP PROVISIONING CENTER (LPC)					1.69		\$1.06
Fried For Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of					26.03		\$17.24
Total For Service:					20.03		\$17.24

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Work them	Omė Ministes	Prob #1	#2 #9	rob Applied Time #4 (Minutes)	Labor Mour	Cost
Ā	В	С	D E	F G B * (C Thru F)	Н	T H * (G/60)
UDIT DS0 REARRANGEMENT SINGLE OFFICE						
*ADD*						
-SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY FAXED .65 PROBABILITY OF TIME MANUALLY HANDLED .35 PROBABILITY OF TIME MANUALLY HANDLED RECEIVE ASR MECHANICALLY	1	0.900	·	0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX VALIDATE ASR IN EXACT CHECK CREDIT INFO/SECURITY TIRKS	10 10 2 3	0.100 1.000 1.000 1.000		1.00 10.00 2.00 3.00	\$40.03 \$40.03 \$40.03 \$40.03	\$0.67 \$6.67 \$1.33 \$2.00
TIRKS TIRKS VALIDATE ADDRESS IN TAG VALIDATE CONTRACT RATES	5 3 3	1.000 1.000 1.000		5.00 3.00 3.00	\$40.03 \$40.03 \$40.03	\$3.34 \$2.00 \$2.00
VERIFY LOA COORDINATE AS ICO INTRA COMPANY CALLS MECHANICAL FOC	5 8 13	0.650 0.350 1.000 0.900		3.25 2.80 13.00 0.90	\$40.03 \$40.03 \$40.03 \$40.03	\$2.17 \$1.87 \$8.67 \$0.60
MECHANICAL FOC MANUALLY FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER	6 1 6	0.100 1.000 1.000		0.60 1.00 6.00	\$40.03 \$40.03 \$40.03	\$0.60 \$0.40 \$0.67 \$4.00
DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC CHECK WFA	1 3 3	1.000 1.000 1.000		1.00 3.00 3.00	\$40.03 \$40.03 \$40.03	\$0.67 \$2.00 \$2.00
CHECK IABS SERVICE ORDER COMPLETE IABS SERVICE ORDER COMPLETE EXACT NOTE EXACT	5 1 1 2	1.000 1.000 1.000 1.000		5.00 1.00 1.00 2.00	\$40.03 \$40.03 \$40.03 \$40.03	\$3.34 \$0.67 \$0.67 \$1.33
Subtotal - SERVICE DELIVERY COORDINATOR				71.45		\$47.67
-DESIGN		-				
Probabilities are % manual work required. Reciprocal is mechanization rate. ORDER HANDLING/SCREENING GOC ORDER LOG ENTER WA MASK	5 6 5	0.200 0.200 0.100		1.00 1.20 0.50	\$44.31 \$44.31 \$44.31	\$0.74 \$0.89 \$0.37
PREP LOOP INPUT/DRI DISCONNECT CIRCUIT CIRCUIT DESIGN DISTRIBUTE WORD DOC	10 5 20 2	0.200 0.100 0.100 0.050		2.00 0.50 2.00 0.10	\$44.31 \$44.31 \$44.31 \$44.31	\$1.48 \$0.37 \$1.48 \$0.07

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Work Rem	Time Minute		*****************	rob Prob #1 M	Applied Time (Minutes)	Labor Hour	Cost
Ā	В	С	D	Ē F	G	Н	
					B * (C Thru F)		H * (G/60)

### SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL (con't,

6482 Direct Cost		\$17,24
6483		
6484	Cost Cos	rt .
6485	Calculation Fact	or Cost
6486	B C D	
6487 Marketing & Business Fees		
6488 Product Management Expens∈	D6488*E6482 0.0	19957 \$0.34
6489 Sales Expense	D6489*E6482 0.0	11877 \$0.20
6490 Product Advertising Expense	D6490*E6482 0.0	000000 \$0.00
6491 Business Fees (Other Operating Taxes)	D6491*Sum(E6482:E6490) 0.0	01483 \$0.03
6492 Total Marketing & Business Fees	Sum(E6482:E6491)	\$0.58
6493		
6494 Sub-Total Direct Cost & Marketing	E6482+E6492	\$17.81
6495		
6496 Other Direct Expenses		
6497 Network Operations	D6497*E6494 0.0	34832 \$0.62
6498 Network Support Assets	D6498*E6494 0.0	14703 \$0.26
6499 General Support Assets	<b>D6499*E6494</b> 0.0	88742 \$1.58
6500 General Purpose Computers	D6500*E6494 0.0	43342 \$0.77
6501 Uncollectible	<b>D6501*E6494</b> 0.0	03786 \$0.07
6502 Accounting & Finance Expens∈	D6502*E6494 0.0	07346 \$0.13
6503 Human Resources Expense	D6503*E6494 0.0	08294 \$0.15
6504 Information Management Expense	<b>D6504*E6494</b> 0.0	70887 \$1.26
6505 Intangibles	<b>D6505*E6494</b> 0.0	00000 \$0.00
6506 Total Other Direct Expenses	Sum(E6497:E6505)	\$4.84
6507		
6508 TELRIC	E6497+E6506	\$22.66
6509		
6510 Common		
6511 Executive Expense		11267 \$0.26
6512 Planning Expense		00525 \$0.01
6513 External Relations Expens∈		37846 \$0.86
6514 Legai Expense		04717 \$0.11
6515 Other Procurement Expense		01860 \$0.04
6516 Research & Development Expense		00006 \$0.00
6517 Other General and Admin Expense		15064 \$0.34
6518 Common Costs	Sum(E6511:E6517)	\$1.61
6519		
6520 TELRIC + Common Costs	E6508+E6518	\$24.27

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Work Rem A	Minutes B	C	D E	l M	(Minutes) G B * (C Thru F)	<b>/Hour</b> H	### (G/6
BLOOP INTRABUILDING CABLE DISPATCH FIRST per order							
<u>D</u> *							
TERCONNECT SERVICE CENTER (ICS)							
.6, .05 probabilities is percent of time this activity will occur.							
Review LSR for completeness and accuracy, contractual entries	3	1.000	•		3.00	\$40.03	
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000			4.00	\$40.03	
CPPD look-up billing USOC's for co-provider	2	1.000 1.000			2.00 2.00	\$40.03	
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior	2 2.5	1.000			2.00	\$40.03 \$40.03	
Populate required fields	2.5 3	1.000			3.00	\$40.03	
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$40.03	
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	
Handle calls from other departments working the order	5	0.600			3.00	\$40.03	
Handle issues including conditioning, facility, cable&pair	5	0.050			0.25	\$40.03	
otal - INTERCONNECT SERVICE CENTER (ICS)					35.75		
OP PROVISIONING CENTER (LPC) Probability is % manual work required.							
Clear RMA (Request for manual assistance)	11.25	0.150			1.69	\$37.78	
otal - LOOP PROVISIONING CENTER (LPC)					1.69		
AC					_		
Probabilities are % manual work required.							
SCREEN ORDER	2	0.200			0.40	\$37.78	
LOAD WORK REQUEST/TECH LOAD SYSTEM	2	0.200			0.40	\$37.78	
CLOSE OUT ORDER WITH TECH	3	0.050			0.15	\$37.78	
otal - LRAC					0.95		
TALLATION/FIELD TECHNICIAN							
Travel time	21	1.000			21.00	\$42.68	5
Locate cross-connection location	10	1.000			10.00	\$42.68	•
Perform anac identification and run cross-connect	5	1.000			5.00	\$42.68	
Testing and turn up.	5	1.000			5.00	\$42.68	
Close order in field access system/ WFADO	3	1.000			3.00	\$42.68	

\*DISCONNECT\*

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Prob #2	eraniya da da da da da da da da da da da da da	rob Applied Time #4 (Minutes)	Labor Mout	Cost
A	В	С	D	E	F G B*(CThru F)	н	I H * (G/60)
SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order (con't,							
INTERCONNECT SERVICE CENTER (ICS)							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.0
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000			2.00	\$40.03	\$1.3
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000			2.00	\$40.03	\$1.5
Populate required fields  Input order into service order processor. Type and format order for billing and provisioning	10	1.000 1.000			3.00	\$40.03	\$2.0
Ensure order into service order processor. Type and format order for bining and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	10	1.000			10.00 3.00	\$40.03 \$40.03	\$6.6 \$2.0
Ensure order is successibly distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.US	Φ2.0
Subtotal - INTERCONNECT SERVICE CENTER (ICS;		······································			23.00		\$15.3
LOOP PROVISIONING CENTER (LPC)							
Probability is % manual work required.							
Clear RMA (Request for manual assistance)	11.25	0.150			1.69	\$37.78	\$1.0
Subtotal - LOOP PROVISIONING CENTER (LPC;					1.69_		\$1.0
Total For Service:		<del></del>			107.08	·	\$73.2

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob. #3 E	Prob Applied Time #4 (Minutes) F G	Labor Atour H	Cost
					B * (C Thru F)		H * (G/60)

### SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order (con't,

6617 Direct Cost		\$73.22
6618		
6619	Cost Cos	
6620	Calculation Factor	
6621		E
6622 Marketing & Business Fees		<del></del>
6623 Product Management Expense		19957 \$1.4
6624 Sales Expense		1877 \$0.8
6625 Product Advertising Expense	D6625*E6617 0.00	0.0000 \$0.0
6626 Business Fees (Other Operating Taxes)	D6626*Sum(E6617:E6625) 0.00	)1483 <u>\$0.1</u>
6627 Total Marketing & Business Fees	Sum(E6617:E6626)	\$2.4
6628		
6629 Sub-Total Direct Cost & Marketing	E6617+E6627	\$75.6
6630		
6631 Other Direct Expenses		
6632 Network Operations	D6632*E6629 0.03	14832 \$2.6
6633 Network Support Assets	D6633*E6629 0.01	4703 \$1.1
6634 General Support Assets	D6634*E6629 0.08	8742 \$6.7
6635 General Purpose Computers	D6635°E6629 0.04	3342 \$3.2
6636 Uncollectible	D6636*E6629 0.00	3786 \$0.29
6637 Accounting & Finance Expense	D6637*E6629 0.00	7346 \$0.50
6638 Human Resources Expense	D6638*E6629 0.00	8294 \$0.6
6639 Information Management Expense	D6639*E6629 0.07	0887 \$5.30
6640 Intangibles	D6640*E6629 0.00	0000 \$0.00
6641 Total Other Direct Expenses	Sum(E6632:E6640)	\$20.57
6642		
6643 TELRIC	E6632+E6641	\$96.24
6644		
6645 Common		
6646 Executive Expense	D6646*E6643 0.01	1267 \$1.00
6647 Planning Expens∈	D6647*E6643 0.00	0525 \$0.09
6648 External Relations Expense	D6648*E6643 0.03	7846 \$3.64
6649 Legal Expense	D6649*E6643 0.00	4717 \$0.49
6650 Other Procurement Expense	D6650*E6643 0.00	1860 \$0.18
6651 Research & Development Expense	D6651*E6643 0.00	0006 \$0.0
6652 Other General and Admin Expense	<b>D6652*E6643</b> 0.01	5064 \$1.49
6653 Common Costs	Sum(E6646:E6652)	\$6.86
6654		
6655 TELRIC + Common Costs	E6643+E6853	\$103,10

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work ftem	Time Minutes	Prob #1	Prob Prob Prob 12 #3 #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D E F	G B * (C Thru F)	Н	H * (G/60)
SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order						
*ADD*						
INTERCONNECT SERVICE CENTER (ICS)						
.6, .08 probabilities is percent of time this activity will occur.	0	1.000		9.00	C40.00	
Populate required fields Input order into service order processor. Type and format order for billing and provisioning	3 5	1.000		3.00 5.00	\$40.03 \$40.03	\$2 \$3
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2
Handle calls from other departments working the order	1	0.600		0.60	\$40.03	\$0
Handle Issues including conditioning, facility, cable&pair	1	0.050		0.05	\$40.03	\$0
Subtotal - INTERCONNECT SERVICE CENTER (ICS)		· · · -	<u> </u>	11.65		\$7
LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required.						
Clear RMA (Request for manual assistance)	11.25	0.150		1.69	\$37.78	\$1
Subtotal - LOOP PROVISIONING CENTER (LPC)				1.69		\$1.
INSTALLATION/FIELD TECHNICIAN	_					
Perform anac identification and run cross-connect	5 5	1.000 1.000		5.00 5.00	\$42.68 \$42.68	\$3
Testing and turn up.		1.000			\$42.00	\$3
Subtotal - INSTALLATION/FIELD TECHNICIAN				10.00		\$7.
<u>DISCONNECT*</u>						
INTERCONNECT SERVICE CENTER (ICS)	_					
Populate required fields	3	1.000		3.00	\$40.03	\$2
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	5 3	1.000 1.000		5.00 3.00	\$40.03 \$40.03	\$3. \$2
Ensure order is successfully distributed to the systems and is ready for provisioning		1.000			\$40.03	•-
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				11.00		\$7
LOOP PROVISIONING CENTER (LPC)						
Probability is % manual work required. Clear RMA (Request for manual assistance)	11.25	0.150		1.69	\$37.78	\$1.
Subtotal - LOOP PROVISIONING CENTER (LPC)		<u>.</u>		1.69		<u> </u>
otal For Service:				36.03		\$24

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work than	77me Minutee	<b>#</b> 1	rob Prob K2 K3	Prob Applied Time #4 (Minutes)	Labor Mour Cost
A -		· c	D E	F G	H
				B * (C Thru F)	H * (G/60)

### SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order (con't,

Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost	6707 Direct Coet			\$24.35
Calculation   Pactor   Cost   Pactor   Cost   Pactor   Cost   Pactor   Cost   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pactor   Pact				
Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.	6709	Cost	Cost	
6712 Marketing & Business Fees         D6713*E6707         0.019857         \$0.45           6713 Product Management Expense         D6713*E6707         0.019877         \$0.25           6714 States Expense         D6716*E6707         0.011877         \$0.25           6715 Product Advertising Expense         D6716*E6707         0.000000         \$0.00           6716 Business Fees (Other Operating Taxes)         D6716*Sum(E6707:E6715)         0.001483         \$0.81           6718 Sub-Total Marketing & Business Fees         Sum(E6707:E6716)         \$0.81           6718 Sub-Total Direct Cost & Marketing         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6717         \$2.516           6720         E6707+E6719         \$0.03482         \$0.81           6722         Network Operations         D6722*E6719         \$0.04842         \$2.23           6722         Mercal Purpose Computers         D6724*E6719         \$0.04842         \$2.25           6726	6710	Calculation	Factor	Cost
6713 Product Management Expense         D6713*E6707         0.019957         \$0.45           6714 Sales Expense         D6714*E5707         0.011877         \$0.25           6715 Product Advertising Expense         D6716*E6707         0.000000         \$0.00           6716 Business Fees (Other Operating Taxes)         D6716*E6715         0.001483         \$0.04           6717 Total Merketing & Business Fees         Sun(E6707:E6716)         \$0.81           8718         E67074E6717         \$25.16           6719 Sub-Total Direct Cost & Merketing         E67074E6717         \$25.16           6720         Sub-Total Direct Expenses         \$25.16           6721 Other Direct Expenses         \$22.20         \$25.16           6722 Network Operations         \$6722 Network Support Assets         \$6724 E6719         \$0.034832         \$0.88           6723 Network Support Assets         \$6724 E6719         \$0.08742         \$2.23         \$2.55           6724 General Purpose Computers         \$6725 E6719         \$0.08742         \$2.23         \$2.57         \$6726 Uncollectible         \$6726*E6719         \$0.08742         \$2.23         \$6725 E6719         \$0.08744         \$0.10         \$0.10         \$726 E6719         \$0.09744         \$0.10         \$0.10         \$0.10         \$0.10         \$0.10 <td>6711</td> <td></td> <td>D</td> <td>E</td>	6711		D	E
6714 Sales Expense         D6714*E5707         0.011877         \$0.26           6715 Product Advertising Expense         D6715*Esr07         0.00000         30.00           8716 Business Fees (Other Operating Taxes)         D6715*Sum(E6707:E6715)         0.001483         \$0.04           6717 Total Marketing & Business Fees         Sum(E6707:E6716)         \$0.81           6718 Sub-Total Direct Cost & Marketing         E6707+E6717         \$25.16           6720 Other Direct Expenses         \$6722 Network Operations         \$0.88           6722 Network Operations         \$0.722*E6719         \$0.04832         \$0.88           6723 Network Support Assets         \$0.723*E6719         \$0.04703         \$0.37           6724 General Support Assets         \$0.723*E6719         \$0.04832         \$2.23           8725 General Purpose Computers         \$0.723*E6719         \$0.03482         \$2.23           8725 General Purpose Computers         \$0.722*E6719         \$0.03786         \$1.08           6726 Uncollectible         \$0.722*E6719         \$0.03786         \$0.10           6727 Accounting & Finance Expense         \$0.722*E6719         \$0.007346         \$0.18           6728 Human Resources Expense         \$0.722*E6719         \$0.007346         \$0.18           6730 Internation Management Expense	6712 Marketing & Business Fees			
6715 Product Advertising Expense         D6715*E6707         0.000000         \$0.00           8716 Business Fees (Other Operating Taxes)         D6716*Sum(E5707:E5715)         0.001483         \$0.04           6717 Total Marketing & Business Fees         Sum(E6707:E5716)         \$0.81           6719 Sub-Total Direct Cost & Marketing         E6707-E6717         \$25.16           6720         E6707-E6717         \$25.16           6721 Other Direct Expenses         B6723 Network Operations         D6722*E6719         0.034832         \$0.88           6723 Network Support Assets         D6724*E6719         0.08472         \$2.23           6725 General Purpose Computers         D6724*E6719         0.04342         \$1.08           6726 Uncollectible         D6725*E6719         0.043342         \$1.08           6727 Accounting & Finance Expense         D6726*E6719         0.007346         \$0.18           6728 Human Resources Expense         D6728*E6719         0.007346         \$0.18           6729 Information Management Expense         D6729*E6719         0.007346         \$0.18           6730 Intangibles         D6730*E6719         0.00000         \$0.00           6731 Total Other Direct Expenses         D6730*E6719         0.00000         \$0.00           6733 Expense         D6730*E6	6713 Product Management Expens€	D6713*E6707	0.019957	\$0.49
S716 Business Fees (Other Operating Taxes)   D6716*Sum(E6707:E6715)   0.001483   30.04	6714 Sales Expense	D6714*E6707	0.011877	\$0.29
Sum   February   Sub-Total Direct Cost & Marketing & Business Fees   Sum   E6707:E6716   Sub-Total Direct Cost & Marketing   E6707+E6717   Sub-Total Direct Cost & Marketing   E6707+E6717   Sub-Total Direct Cost & Marketing   Sub-Total Direct Expenses	6715 Product Advertising Expense	D6715*E6707	0.000000	\$0.00
S718   Sub-Total Direct Cost & Marketing   E6707+E6717   \$25.16	6716 Business Fees (Other Operating Taxes)	D6716*Sum(E6707:E6715)	0.001483	\$0.04
6719 Sub-Total Direct Cost & Marketing         E6707+E6717         \$25.16           6720         Chher Direct Expenses         6721 Other Direct Expenses         5722 Network Operations         0.034832         \$0.88           6723 Network Support Assets         D6723*E6719         0.01473         \$0.38           6724 General Support Assets         D6724*E6719         0.086742         \$2.23           6725 General Purpose Computers         D6725*E6719         0.04342         \$1.08           6726 Uncollectible         D6726*E6719         0.003786         \$0.10           6727 Accounting & Finance Expense         D6726*E6719         0.003786         \$0.10           6728 Human Resources Expense         D6728*E6719         0.007346         \$0.18           6729 Information Management Expense         D6729*E6719         0.000294         \$0.21           6730 Intangibles         D6739*E6719         0.0008294         \$0.21           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         E6722*E6719         0.00000         \$0.00           6733 TELRIC         E6722*E6731         \$32.00           6734         E6722*E6733         0.011267         \$0.36           6735 Common         E673*E6733         0.001267         \$	6717 Total Marketing & Business Fees	Sum(E6707:E6716)		\$0.81
6720         6721         Other Direct Expenses         D6722*E6719         0.034832         \$0.88           6723 Network Operations         D6723*E6719         0.014703         \$0.37           6724 General Support Assets         D6723*E6719         0.048742         \$2.23           6725 General Support Assets         D6725*E6719         0.04342         \$2.23           6726 Uncollectible         D6725*E6719         0.003786         \$0.10           6727 Accounting & Finance Expense         D6728*E6719         0.007346         \$0.10           6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.00000         \$0.00           6731 Tet.RIC         E6722-E6730         \$0.86           6733 TELRIC         E6722-E6731         \$32.00           6734 Common         \$0.673*E6733         0.011267         \$0.36           6735 Common         \$0.673*E6733         0.011267         \$0.36           6737 Penning Expense         D6737*E6733         0.00525         \$0.02           6738 External Relations Expense         D6738*E6733         0.00747         \$0.15	6718			
6721 Other Direct Expenses         D6722*E6719         0.034832         \$0.88           6722 Network Operations         D6723*E6719         0.014703         \$0.37           6724 General Support Assetts         D6723*E6719         0.048742         \$2.23           6725 General Purpose Computers         D6725*E6719         0.043342         \$1.09           6726 Uncollectible         D6726*E6719         0.003786         \$0.10           6727 Accounting & Finance Expense         D6727*E6719         0.007386         \$0.10           6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6728*E6719         0.008294         \$0.21           6730 Intarrigibles         D6730*E6719         0.00000         \$0.00           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         E6722*E6731         \$32.00           6733 TELRIC         E6722*E6731         \$32.00           6734 Telling Expense         D6736*E6733         0.011267         \$0.36           6733 Executive Expense         D6738*E6733         0.001265         \$0.02           6733 Expense         D6739*E6733         0.00000         \$0.00           6740 Common         D6	6719 Sub-Total Direct Cost & Marketing	E6707+E6717		\$25.16
6722 Network Operations         D6722*E6719         0.034832         \$0.88           6723 Network Support Assets         D6723*E6719         0.014703         \$0.37           6724 General Support Assets         D6723*E6719         0.08742         \$2.28           6725 General Purpose Computers         D6725*E6719         0.043342         \$1.09           6726 Uncollectible         D6726*E6719         0.003786         \$0.10           6727 Accounting & Finance Expense         D6727*E6719         0.007386         \$0.10           6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070867         \$1.78           6730 Intangibles         D6730*E6719         0.000000         \$0.00           6731 [Total Other Direct Expenses         Sum(E6722:E6730)         \$3.00           6732 TELRIC         E6722*E6731         \$3.00           6733 TELRIC         E6722*E6731         \$0.00           6734 Common         \$0.00         \$0.00           6735 Common         \$0.00         \$0.00           6737 Pianning Expense         D6730*E6733         0.001267         \$0.02           6738 External Relations Expense         D6730*E6733         0.00460 <t< td=""><td>6720</td><td></td><td></td><td></td></t<>	6720			
6723 Network Support Assets       D6723*E6719       0.014703       \$0.37         6724 General Support Assets       D6724*E6719       0.088742       \$2.23         6725 General Purpose Computers       D6725*E6719       0.043342       \$1.09         6726 Uncollectbile       D6725*E6719       0.003786       \$0.10         6727 Accounting & Finance Expense       D6727*E6719       0.007346       \$0.18         6728 Human Resources Expense       D6728*E6719       0.006294       \$0.21         6729 Information Management Expense       D6728*E6719       0.00000       \$0.00         6730 Intangibles       D6730*E6719       0.000000       \$0.00         6731 [Total Other Direct Expenses       Sum(E6722:E6730)       \$6.84         6732       E6722*E6731       \$32.00         6734       E6722*E6731       \$32.00         6735 Common       E6722*E6733       0.011267       \$0.36         6737 Planning Expense       D6736*E6733       0.011267       \$0.36         6738 External Relations Expense       D6739*E6733       0.007846       \$1.21         6739 Legal Expense       D6739*E6733       0.007471       \$0.15         6740 Other Procurement Expense       D6740*E6733       0.004717       \$0.15         674	6721 Other Direct Expenses			
6724 General Support Assets         D6724*E6719         0.086742         \$2.23           6725 General Purpose Computers         D6725*E6719         0.043342         \$1.09           6727 Accounting & Finance Expense         D6726*E6719         0.007346         \$0.18           6728 Human Resources Expense         D6728*E8719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.00000         \$0.00           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         Stance         \$2.00           6734         \$3.200         \$6.84           6735 Common         \$3.200         \$6.84           6736 Executive Expense         D6736*E6733         0.011267         \$0.36           6737 Planning Expense         D6736*E6733         0.001267         \$0.36           6739 Legal Expense         D6739*E6733         0.037846         \$1.21           6739 Legal Expense         D6739*E6733         0.004717         \$0.15           6740 Other Procurement Expense         D6740*E6733         0.004717         \$0.15           6741 Research & Development Expense         D6741*E6733         0.		D6722*E6719	0.034832	\$0.88
6725 General Purpose Computers         D6725*E6719         0.043342         \$1.09           6726 Uncollectible         D6726*E6719         0.003786         \$0.10           6727 Accounting & Finance Expense         D6727*E6719         0.007346         \$0.18           6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.00000         \$0.00           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$32.00           6732 **         E6722*E6731         \$32.00           6733 ** TELRIC         E6722*E6731         \$32.00           6734 **         E6722*E6731         \$32.00           6735 ** Common         **         **           6737 Planning Expense         D6736*E6733         0.011267         \$0.36           6737 Planning Expense         D6737*E6733         0.004717         \$0.15           6738 ** Legal Expense         D6739*E6733         0.004717         \$0.15           6740 Other Procurement Expense         D6740*E6733         0.004717         \$0.15           6741 ** Research & Development Expense         D6741*E6733         0.00006	6723 Network Support Assets	D6723*E6719	0.014703	\$0.37
5726 Uncollectible   D6726*E6719   0.003786   \$0.10     6727 Accounting & Finance Expense   D6727*E6719   0.007346   \$0.18     6728 Human Resources Expense   D6728*E6719   0.008294   \$0.21     6729 Information Management Expense   D6728*E6719   0.008294   \$0.21     6730 Intangibles   D6730*E6719   0.000000   \$0.00     6731   Total Other Direct Expenses   Sum(E6722:E6730)   \$6.84     6732	6724 General Support Assets	D6724*E6719	0.088742	\$2.23
6727 Accounting & Finance Expense         D6727*E6719         0.007346         \$0.18           6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.00000         \$0.00           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         E6722*E6731         \$32.00           6733 TELRIC         E6722*E6731         \$32.00           6734         E6735         Common           6735 Common         D6736*E6733         0.011267         \$0.36           6737 Planning Expense         D6737*E6733         0.000525         \$0.02           6738 External Relations Expense         D6739*E6733         0.004717         \$0.15           6740 Other Procurement Expense         D6739*E6733         0.004717         \$0.15           6741 Research & Development Expense         D6740*E6733         0.001860         \$0.06           6742 Other General and Admin Expense         D6742*E6733         0.0015064         \$0.48           6744         Common Costs         Sum(E6736:E6742)         \$2.28	6725 General Purpose Computers	D6725*E6719	0.043342	\$1.09
6728 Human Resources Expense         D6728*E6719         0.008294         \$0.21           6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.000000         \$0.00           6731 [Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         E6722+E6731         \$32.00           6734         E6735 Common         E6722+E6731         \$32.00           6735 Common         D6736*E6733         0.011267         \$0.36           6737 Planning Expense         D6737*E9733         0.001267         \$0.02           6738 External Relations Expense         D6738*E6733         0.037846         \$1.21           6739 Legal Expense         D6739*E6733         0.004717         \$0.15           6740 Other Procurement Expense         D6740*E6733         0.004717         \$0.15           6742 Other General and Admin Expense         D6741*E6733         0.000006         \$0.00           6743 Common Costs         Sum(E6736:E6742)         \$2.28           6744	6726 Uncollectible	D6726*E6719	0.003786	\$0.10
6729 Information Management Expense         D6729*E6719         0.070887         \$1.78           6730 Intangibles         D6730*E6719         0.000000         \$0.00           6731   Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         \$32.00           6734   Francisco         \$32.00           6734   Francisco         \$32.00           6735   Common         \$32.00           6736   Executive Expense         D6736*E6733         0.011267         \$0.36           6737   Planning Expense         D6737*E6733         0.000525         \$0.02           6738   External Relations Expense         D6738*E6733         0.037846         \$1.21           6739   Legal Expense         D6739*E6733         0.004717         \$0.15           6740   Other Procurement Expense         D6740*E6733         0.001860         \$0.06           6741   Research & Development Expense         D6741*E6733         0.000006         \$0.00           6743   Common Costs         Sum(E6736:E6742)         \$2.28           6744         Common Costs         Sum(E6736:E6742)         \$2.28	6727 Accounting & Finance Expense	D6727*E6719	0.007346	\$0.18
6730 Intangibles         D6730*E6719         0.000000         \$0.00           6731 Total Other Direct Expenses         Sum(E6722:E6730)         \$6.84           6732         ***         ***         ***         ***         \$32.00           6734         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         ***         *** <td< td=""><td>6728 Human Resources Expense</td><td>D6728*E6719</td><td>0.008294</td><td>\$0.21</td></td<>	6728 Human Resources Expense	D6728*E6719	0.008294	\$0.21
6731   Total Other Direct Expenses   Sum(E6722:E6730)   \$6.84 6732   6733   TELRIC   E6722+E6731   \$32.00 6734   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon   Sumon	6729 Information Management Expense	D6729*E6719	0.070887	\$1.78
6732 6733 TELRIC 6733 TELRIC 6734 6735 Common 6736 Executive Expense 6737 Planning Expense 6737 Planning Expense 6738 External Relations Expense 6739 Legal Expense 6730 Other Procurement Expense 6740 Other Procurement Expense 6740 Other General and Admin Expense 6742 Other General and Admin Expense 6743 Common Costs 6744	6730 Intangibles	D6730*E6719	0.000000	\$0.00
6733 TELRIC       E6722+E6731       \$32.00         6734       6735 Common       \$35.00         6735 Executive Expense       D6736*E6733       0.011267       \$0.36         6737 Planning Expense       D6737*E6733       0.000525       \$0.02         6738 External Relations Expense       D6738*E6733       0.037846       \$1.21         6739 Legal Expense       D6739*E6733       0.004717       \$0.15         6740 Other Procurement Expense       D6740*E6733       0.001860       \$0.06         6741 Research & Development Expense       D6741*E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742*E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28         6744	6731 Total Other Direct Expenses	Sum(E6722:E6730)		\$6.84
6734 6735 Common 6736 Executive Expense 6737 Planning Expense 6738 External Relations Expense 6738 External Relations Expense 6739 Legal Expense 6740 Other Procurement Expense 6740 Other General and Admin Expense 6742 Other General and Admin Expense 6742 Other General and Admin Expense 6744 6744 6744	6732			
6735 Common 6736 Executive Expense 6737 Planning Expense 6737 Planning Expense 6738 External Relations Expense 6738 External Relations Expense 6739 Legal Expense 6740 Other Procurement Expense 6740 Other Procurement Expense 6741 Research & Development Expense 6742 Other General and Admin Expense 6743 Common Costs 6744 6744	6733 TELRIC	E6722+E6731		\$32.00
6736 Executive Expense       D6736*E6733       0.011267       \$0.36         6737 Planning Expense       D6737*E6733       0.000525       \$0.02         6738 External Relations Expense       D6738*E6733       0.037846       \$1.21         6739 Legal Expense       D6739*E6733       0.004717       \$0.15         6740 Other Procurement Expense       D6740*E6733       0.001860       \$0.06         6741 Research & Development Expense       D6741*E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742*E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28	6734			
6737 Planning Expense       D6737*E6733       0.000525       \$0.02         6738 External Relations Expense       D6738*E6733       0.037846       \$1.21         6739 Legal Expense       D6739*E6733       0.004717       \$0.15         6740 Other Procurement Expense       D6740*E6733       0.001860       \$0.06         6741 Research & Development Expense       D6741*E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742*E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28	6735 <i>Commo</i> п			
6738 External Relations Expense       D6738*E6733       0.037846       \$1.21         6739 Legal Expense       D6739*E6733       0.004717       \$0.15         6740 Other Procurement Expense       D6740*E6733       0.001860       \$0.06         6741 Research & Development Expense       D6741*E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742*E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28         6744	6736 Executive Expense	D6736*E6733	0.011267	\$0.36
6739 Legal Expense         D6739*E6733         0.004717         \$0.15           6740 Other Procurement Expense         D6740*E6733         0.001860         \$0.06           6741 Research & Development Expense         D6741*E6733         0.000006         \$0.00           6742 Other General and Admin Expense         D6742*E6733         0.015064         \$0.48           6743 [Common Costs         Sum(E6736:E6742)         \$2.28           6744	6737 Planning Expense	D6737*E6733	0.000525	\$0.02
6740 Other Procurement Expense       D6740 °E6733       0.001860       \$0.06         6741 Research & Development Expense       D6741 °E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742 °E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28         6744	6738 External Relations Expens€	D6738*E6733	0.037846	\$1.21
6741 Research & Development Expense       D6741*E6733       0.000006       \$0.00         6742 Other General and Admin Expense       D6742*E6733       0.015064       \$0.48         6743 Common Costs       Sum(E6736:E6742)       \$2.28         6744	6739 Legal Expense	D6739*E6733	0.004717	\$0.15
6742 Other General and Admin Expense D6742*E6733 0.015064 \$0.48 6743 Common Costs Sum(E6736:E6742) \$2.28 6744	6740 Other Procurement Expense	D6740*E6733	0.001860	\$0.06
6743 Common Costs Sum(E6736:E6742) \$2.28 6744		D6741*E6733	0.000006	\$0.00
6744	6742 Other General and Admin Expense	D6742*E6733	0.015064	\$0.48
	6743 Common Costa	Sum(E6736:E6742)		\$2.28
6745 TELRIC + Common Costs E6733+E6743 \$34.29	6744			
	6745 TELRIC + Common Costs	E6733+E6743		\$34.29

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Hem	Minutes B	in .	#2 #3 D E	<u> </u>	Minutee)	Hour	Cost
A	Ь	С	D E	В*	(C Thru F)	н	H * (G/60
BLOOP MTE-POI SITE INVENTORY per request							
<u>00°</u>							
DLLOCATION PROJECT MANAGEMENT CENTER (CPMC)							
Receive and review request	2	1.000			2.00	\$56.97	
Check for previous requests at address	2	1.000			2.00	\$56.97	
Check for owner option	2	1.000			2.00	\$56.97	
Determine engineer by using wire center information program	2	1.000			2.00	\$56.97	
Add engineer data to request and print wire center information sheet	2	1.000			2.00	\$56.97	
Compose email, attach request and forward to engineer	2	1.000			2.00	\$56.97	
Shared time for common phone calls, meetings, reports,	10	1.000			10.00	\$56.97	
Create vitual folders on desktop and move electronic data into folders	.5	1.000			0.50	\$56.97	
Print copy of email to Engineer	2	1.000			2.00	\$56.97	
Creat physical folder and file	3	1.000			3.00	\$56.97	
Enter request data into tracking system	5	1.000			5.00	\$56.97	
Update response "due back" list	1	1.000			1.00	\$56.97	
Receive and review response from Engineer	2	1.000			2.00	\$56.97	
Add basic data	1	1.000			1.00	\$56.97	
Compose and forward e-mail to SSC - attach to request and forward to SSC	2	1.000			2.00	\$56.97	
Move file from desktop into results folder	.5	1.000			0.50	\$56.97	
Print copy of e-mail to SSC	2	1.000			2.00	\$56.97	
Place copy of e-mail in physical folder	2	1.000			2.00	\$56.97	
total - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC,					43.00		\$
OP PROVISIONING CENTER (LPC)							
Build inventory in LFACS		4 1.000			4.00	\$37.78	
Research job prints to find all required data	1	5 1.000			15.00	\$37.78	
total - LOOP PROVISIONING CENTER (LPC)					19.00		
ITSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)							
Check OSP records - OSP-FM/CIMAGE, LFACS, DA records		0 1.000			20.00	\$51.76	\$
Update OSP-FM/CIMAGE and DA records	3	0 1.000			30.00	\$51.76	•
total - OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)				<del></del>	50.00		\$

# CONTINUATION

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Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Ren	Time Minutes	Prot #1	Prob #2	Prob #3		ed Time Labor (mea) /Hour	
<u>^</u>	Þ	Ų	U			а п	
					B*(C	Thru F)	H * (G/60)

# SUBLOOP MTE-POI SITE INVENTORY per request (con't)

6797 Direct Cost		_	\$95.93
6798			
6799	Cost	Cost	
6800	Calculation	Factor	Cost
6801	ВС	D	E
6802 Marketing & Business Fees			
6803 Product Management Expense	D6803*E6797	0.019957	\$1.91
6804 Sales Expense	D6804*E6797	0.011877	\$1.14
6805 Product Advertising Expense	D6805*E6797	0.000000	\$0.00
6806 Business Fees (Other Operating Taxes)	D6806*Sum(E6797:E6805)	0.001483	\$0.15
6807 Total Marketing & Business Fees	Sum(E6797:E6806)		\$3.20
6808			
6809 Sub-Total Direct Cost & Marketing	E6797+E6807	,	\$99.13
6810	<del></del>		
6811 Other Direct Expenses			
6812 Network Operations	D6812*E6809	0.034832	\$3.45
6813 Network Support Assets	D6813*E6809	0.014703	\$1.46
6814 General Support Assets	D6814*E6809	0.088742	\$8.80
6815 General Purpose Computers	D6815*E6809	0.043342	\$4.30
6816 Uncollectible	D6816*E6809	0.003786	\$0.38
6817 Accounting & Finance Expense	D6817*E6809	0.007346	\$0.73
6818 Human Resources Expense	D6818*E6809	0.008294	\$0.82
6819 Information Management Expense	D6819*E6809	0.070887	\$7.03
6820 Intangibles	D6820*E6809	0.000000	\$0.00
6821 Total Other Direct Expenses	Sum(E6812:E6820)		\$26.96
6822			
6823 TELRIC	E6812+E6821		\$126.08
6824			
6825 Common			
6826 Executive Expense	D6826*E6823	0.011267	\$1.42
6827 Planning Expense	D6827*E6823	0.000525	\$0.07
6828 External Relations Expense	D6828*E6823	0.037846	\$4.77
6829 Legal Expense	D6829*E6823	0.004717	\$0.59
6830 Other Procurement Expense	D6830*E6823	0.001860	\$0.23
6831 Research & Development Expense	D6831*E6823	0.000006	\$0.00
6832 Other General and Admin Expense	D6832*E6823	0.015064	\$1.90
6833 Common Costs	Sum(E6826:E6832)		\$8.99
6834			
6835 TELRIC + Common Costs	E6823+E6833		\$135.07

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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ERCONNECT SERVICE CENTER (ICS)  .6, .05 probabilities is percent of time this activity will occur. Review LSR for completeness and accuracy, contractual entries Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta CPPD look-up billing USOC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	3 4 2 2	1.000 1.000	3.00		
.6, .05 probabilities is percent of time this activity will occur. Review LSR for completeness and accuracy, contractual entries Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta CPPD look-up billing USOC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	4 2	1.000	3.00		
.6, .05 probabilities is percent of time this activity will occur.  Review LSR for completeness and accuracy, contractual entries  Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta  CPPD look-up billing USOC's for co-provider  Summary Bill List-Look up Billing Telephone Number, tax code, and bill date  Analyze request to determine co-provider, type of order, and installation optior  Populate required fields  Type, review and submit to customer the Firm Order Confirmation (FOC)  Input order into service order processor. Type and format order for billing and provisioning  Ensure order is successfully distributed to the systems and is ready for provisioning  Handle calls from other departments working the order  Handle issues including conditioning, facility, cable&pail	4 2	1.000	2.00		
.6, .05 probabilities is percent of time this activity will occur.  Review LSR for completeness and accuracy, contractual entries  Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta  CPPD look-up billing USOC's for co-provider  Summary Bill List-Look up Billing Telephone Number, tax code, and bill date  Analyze request to determine co-provider, type of order, and installation optior  Populate required fields  Type, review and submit to customer the Firm Order Confirmation (FOC)  Input order into service order processor. Type and format order for billing and provisioning  Ensure order is successfully distributed to the systems and is ready for provisioning  Handle calls from other departments working the order  Handle issues including conditioning, facility, cable&pail	4 2	1.000	3.00		
Review LSR for completeness and accuracy, contractual entries Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta CPPD look-up billing USOC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	4 2	1.000	3.00		
CPPD look-up billing USOC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	2		3.00	\$40.03	\$2.00
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail			4.00	\$40.03	\$2.67
Analyze request to determine co-provider, type of order, and installation optior Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	2	1.000	2.00	\$40.03	\$1.33
Populate required fields Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail  total - INTERCONNECT SERVICE CENTER (ICS)		1.000	2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC) Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pair	2.5	1.000	2.50	\$40.03	\$1.67
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	3	1.000	3.00	\$40.03	\$2.00
Ensure order is successfully distributed to the systems and is ready for provisioning Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail	3	1.000	3.00	\$40.03	\$2.00
Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail  total - INTERCONNECT SERVICE CENTER (ICS)  SIGN	10	1.000	10.00	\$40.03	\$6.67
Handle issues including conditioning, facility, cable&pair  total - INTERCONNECT SERVICE CENTER (ICS;  SIGN	3	1.000	3.00	\$40.03	\$2.00
SIGN	5	0.600	3.00	\$40.03	\$2.00
SIGN	5	0.050	0.25	\$40.03	\$0.17
			 35.75		\$23.85
riodapinias are 70 inaridai work requirgu. Reciprocaris indunarization rate.					
Order handling/screening	5	0.200	1.00	\$44.31	\$0.74
GOC order log	6	0.200	1.20	\$44.31	\$0.89
Enter WA mask	5	0.800	4.00	\$44.31	\$2.95
Prep loop input/DRI	15	0.750	11.25	\$44.31	\$8.31
Circuit design	30	1.000	30.00	\$44.31	\$22.16
Distribute WORD doc	2	0.900	1.80	\$44.31	\$1.33
total - DESIGN			 49.25		\$36.37
NTRAL OFFICE FRAMES					
Jumper placed at MDF and Interconnect Distribution Frame,					
Analyze order	5	1.000	5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000	8.00	\$43.81	\$5.84
Complete Loop Qualification	ż	1.000	2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results	2	1.000	2.00	\$43.81	\$1.46
Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2	1,000	2.00	\$43.81	\$1.46
Perform continuity stress testing	10	1,000	10.00	\$43.81	\$7.30
Set up due date test with I&M technician	2	1,000	2.00	\$43.81	\$1.46
Complete due date work status with Implementor	3	1.000	3.00	\$43.81	\$2.19
otal - CENTRAL OFFICE FRAMES			 34.00		\$24.83

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prob	Proti Proti	Prob Applied Time	Labor	
Work hem	Minutes B	E C	<b>2 13</b> D E	#4 (Minutes) F G	<b>Hour</b> H	Cost
•	ь	J	<b>→</b>	B * (C Thru F)	- 11	H * (G/60)
SUBLOOP DS1 FEEDER FIRST (con't)						
-LRAC						
Screen order	2	1.000		2.00	\$37.78	\$1.26
Load work request to tech	5	1.000		5.00	\$37.78	\$3.15
Close out work request COMPLETE WORK IN WFADO	3 3	1.000 1.000		3.00 3.00	\$37.78 \$37.78	\$1.89 \$1.89
						·
Subtotal - LRAC				13.00		\$8.19
-INSTALLATION/FIELD TECHNICIAN						
Analyze ordr Travel time	1 21	1.000 1.000		1.00 21.00	\$42.68 \$42.68	\$0.71 \$14.94
Complete Serving Area Interface Wiring	13	1.000		13.00	\$42.68	\$9.25
Complete Field Connection Point Wiring	13	1.000		13.00	\$42.68	\$9.25
Contact CCTI to work order	3	1.000		3.00	\$42.68	\$2.13
Complete performance/continuity testing	15	1.000		15.00	\$42.68	\$10.67
Complete work request with Load Specialist	3	1.000		3.00	\$42.68	\$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN				69.00		\$49.08
-SERVICE DELIVERY IMPLEMENTOR						
Sceen WFA for circuit	15	1.000		15.00	\$43.81	\$10.95
Verify LNO for circuit	10	1.000		10.00	\$43.81	\$7.30
Test circuit	35	1.000		35.00	\$43.81	\$25.56
Notify customer	5 10	1.000 1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR				75.00		\$54.76
*DISCONNECT*						
-INTERCONNECT SERVICE CENTER (ICS)		•				
Review LSR for completeness and accuracy, contractual entries	3	1.000		3.00	\$40.03	\$2.00
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000		2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$40.03	\$1.33
Populate required fields  Input order into service order processor. Type and format order for billing and provisioning	3 10	1.000 1.000		3.00 10.00	\$40.03 \$40.03	\$2.00 \$6.67
Ensure order into service order processor. Type and format order for bining and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$6.67 \$2.00
					<del></del>	•
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				23.00		\$15.34
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.	_					<b>.</b>
Order handling/screen	5	0.100		0.50	\$44.31	\$0.37

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Hern	Time Minutes	Prob #1	Prob Pr		Applied Time (Minutes)	Labor /Hour	Cost
A	В	С	D E	E F	G B * (C Thru F)	Н	H * (G/60)
SUBLOOP DS1 FEEDER FIRST (con't)							
GOC order log	6	0.100			0.60	\$44.31	\$0.44
Enter WA mask Disconnect circuit	5	0.100 0.100			0.50 0.50	\$44.31 \$44.31	\$0.37
Distribute WORD doc	2	0.100			0.20	\$44.31	\$0.37 \$0.15
Subtotel - DESIGN					2.30		\$1.70
-CENTRAL OFFICE FRAMES							
Jumper removed at MDF and Interconnect Distribution Frame. Analyze order	5	1.000			5.00	\$43.81	\$3.65
Remove jumpers (mdf & icdf)	2.3	2.000			4.60	\$43.81	\$3.36
Complete work in WFADI	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES					11.60		\$8.47
-SERVICE DELIVERY IMPLEMENTOR	_						<b>.</b> .
Screen WFA for circuit	5	1.000 1.000			5.00 5.00	\$43.81 \$43.81	\$3.65 \$3.65
Contact customer Complete circuit in WFA/C	5 5	1.000			5.00	\$43.81 \$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				<del></del>	15.00		\$10.95
Total For Service:					327.90		\$233.54

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Rem	Time Mississ	Prob #1	Prots #2	Proti Pr		Lebor Hour Cost
A	В	C	D	E	G	H
					B * (C Thru F)	H * (G/60)

# SUBLOOP DS1 FEEDER FIRST (con't)

6977 Direct Cont			\$233.54
6978			
6979	Cost	Cost	
6980	Calculation	Factor	Cost
6981	B C	0	E
6982 Marketing & Business Fees			
6983 Product Management Expense	D6983*E6977	0.019957	\$4.66
6984 Sales Expense	D6984*E6977	0.011877	\$2.77
6985 Product Advertising Expense	D6985*E6977	0.000000	\$0.00
6986 Business Fees (Other Operating Taxes)	D6986*Sum(E6977:E6985)	0.001483	\$0.36
6967 Total Marketing & Business Fees	Sum(E6977:E6986)		\$7.79
6988			
6989 Sub-Total Direct Cost & Marketing	E6977+E6987		\$241.34
6990			
6991 Other Direct Expenses			
6992 Network Operations	D6992*E6989	0.034832	\$8.41
6993 Network Support Assets	D6993*E6989	0.014703	\$3.55
6994 General Support Assets	D6994*E6989	0.088742	\$21.42
6995 General Purpose Computers	D6995*E6989	0.043342	\$10.46
6996 Uncollectible	D6996*E6989	0.003786	\$0.91
6997 Accounting & Finance Expense	D6997*E6989	0.007346	\$1.77
6998 Human Resources Expense	D6998*E6989	0.008294	\$2.00
6999 Information Management Expense	D6999*E6989	0.070887	\$17.11
7000 Intangibles	D7000*E6989	0.000000	\$0.00
7001 Total Other Direct Expenses	Sum(E6992:E7000)		\$65.63
7002			
7003 TELRIC	E6992+E7001		\$306.96
7004			
7005 Common			
7006 Executive Expense	D7006*E7003	0.011267	\$3.46
7007 Planning Expens∈	D7007*E7003	0.000525	\$0.16
7008 External Relations Expens∈	D7008*E7003	0.037846	\$11.62
7009 Legal Expense	D7009*E7003	0.004717	\$1.45
7010 Other Procurement Expense	D7010*E7003	0.001860	\$0.57
7011 Research & Development Expense	D7011*E7003	0.000006	\$0.00
7012 Other General and Admin Expense	D7012*E7003	_0.015064	\$4.62
7013 Common Costs	Sum(E7006: E7012)		\$21.88
7014			
7015 TELRIC + Common Costs	E7003+E7013		\$328.85

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work flags	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D E F	G B * (C Thru F)	Н	I H * (G/60)
SUBLOOP DS1 FEEDER EACH ADDITIONAL						
*ADD*						
-INTERCONNECT SERVICE CENTER (ICS)						
.6, .08 probabilities is percent of time this activity will occur.	_					<b>-</b>
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000		5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000 0.600		3.00 0.60	\$40.03 \$40.03	\$2.00
Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pair	1	0.600		0.60	\$40.03 \$40.03	\$0.40 \$0.05
Handle issues including conditioning, racinty, cableapail	'	0.000		0.08	\$40.03	\$0,05
Subtotal - INTERCONNECT SERVICE CENTER (ICS)				11.68		\$7.79
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
Order handling/screening	5	0.200		1.00	\$44.31	\$0.74
GOC Oorder log	6	0.200		1.20	\$44.31	\$0.89
Enter WA mask	.5	0.800		4.00	\$44.31	\$2.95
Prep loop inout/DRI	15	0.750		11.25	\$44.31	\$8.31
Circuit design	30	1.000		30.00	\$44.31	\$22.16
Distribute WORD doc	2	0.900		1.80	\$44.31	\$1.33
Subtotal - DESIGN				49.25		\$36.37
-CENTRAL OFFICE FRAMES						
Jumper placed at MDF and Interconnect Distribution Frame.						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross-connect (MDF and ICDF)	4	2.000		8.00	\$43.81	\$5.84
Complete Loop Qualification	2	1.000		2.00	\$43.81	\$1.46
Record DVA (Designed, Verified, Assigned) test results Post DVA work complete is WFA-DI (Work Force Administration - Dispatch In Module)	2 2	1.000 1.000		2.00 2.00	\$43.81 \$43.81	\$1.46
Post DVA work complete is WPA-DI (Work Force Administration - Dispatch in Module)  Perform continuity stress testing	10	1.000		10.00	\$43.81 \$43.81	\$1.46 \$7.30
Set up due date test with I&M technician	10	1.000		1.00	\$43.81	\$7.30 \$0.73
Complete due date work status with Implementor	i	1.000		1.00	\$43.81	\$0.73
Subtotal - CENTRAL OFFICE FRAMES				31.00		\$22.64
-LRAC					ADT	<b>.</b>
Screen order	2	1.000		2.00	\$37.78	\$1.26
Load work request to tech Close out work request	5 3	1.000 1.000		5.00 3.00	\$37.78 \$37.78	\$3.15 \$1.89
COMPLETE WORK IN WEADO	3	1.000		3.00	\$37.78 \$37.78	\$1.89 \$1.89
COMIL FELF MOUL IN MENDO	3	1.000		3.00	φ31,10	φ1.69

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work ham. A	Tima Minutes B	Prob #1 C	Prob Prob #2 #9 D E	Prob #4 F	Applied Time (Minutes) G	Labor Mour H	Coat
SUBLOOP DS1 FEEDER EACH ADDITIONAL (con't)					B* (C Thru F)		H * (G/60)
Subtotal - LRAC					13.00	<u> </u>	\$8.19
-INSTALLATION/FIELD TECHNICIAN			- · ·				
Complete Serving Area Interface Wiring	10	1.000			10.00	\$42.68	\$7.1
Complete Field Connection Point Wiring	10	1.000			10.00	\$42.68	\$7.1
Complete performance/continuity testing	10	1.000			10.00	\$42.68	\$7.1
Complete work request with Load Specialist	1	1.000			1.00	\$42.68	\$0.7
Subtotal - INSTALLATION/FIELD TECHNICIAN					31.00		\$22.0
-SERVICE DELIVERY IMPLEMENTOR							
Screen WFA for circuit	15	1.000			15.00	\$43.81	\$10.9
Verify LNO for circuit	10	1.000			10.00	\$43.81	\$7.3
Test circuit	35	1.000			35.00	\$43.81	\$25.5
Complete circuit in WFA/C	10	1.000			10.00	\$43.81	\$7.3
Subtotal - SERVICE DELIVERY IMPLEMENTOR					70.00		\$51.1
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER (ICS)							
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000			5.00	\$40.03	\$3.3
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.0
Subtotal - INTERCONNECT SERVICE CENTER (ICS)					11.00		\$7.3
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.100			0.50	\$44.31	\$0.3
GOC order log	6	0.100			0.60	\$44.31	\$0.4
Enter WA mask	5	0.100			0.50	\$44.31	\$0.3
Disconnect circuit	5	0.100			0.50	\$44.31	\$0.3
Distribute WORD doc	2	0.100			0.20	\$44.31	\$0.1
Subtotal - DESIGN					2.30		\$1.70
-CENTRAL OFFICE FRAMES							
Jumper removed at MDF and Interconnect Distribution Frame.							
Analyze order	5	1.000			5.00	\$43.81	\$3.6
Remove jumpers (mdf & icdf)	2.3	2.000			4.60	\$43.81	\$3.30
Comlete work in WFADI	2	1,000			2.00	\$43.81	\$1.46

Study Name: NONRECURRING ELEMENTS

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Time Prob Prob Prob Prob Prob Prob Prob Prob		abor Jour Cost
B C D E F	G B * (C Thru F)	H + (G/60)
SUBLOOP DS1 FEEDER EACH ADDITIONAL (con't)		
Subtotal - CENTRAL OFFICE FRAMES	11.60	\$8.47
Total For Service:	230.83	\$165.65

Study Name: NONRECURRING ELEMENTS

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Work lien	Time Winutes	Prob #1	Prob #2	Prob #3		oplied Time (Minutes)	Labor Mour C	ost
A	- B		D	E	F	G	Н	
					В'	(C Thru F)	H*(	(G/60)

# SUBLOOP DS1 FEEDER EACH ADDITIONAL (con't)

7157 Direct Cost			\$165.85
7158			
7159	Cost	Cost	
7160	Calculation	Factor	Cost
7161	B C	D	-
7162 Marketing & Business Fees			
7163 Product Management Expense	D7163*E7157	0.019957	\$3.31
7164 Sales Expense	D7164*E7157	0.011877	\$1.97
7165 Product Advertising Expense	D7165*E7157	0.000000	\$0.00
7166 Business Fees (Other Operating Taxes)	D7166*Sum(E7157:E7165)	0.001483	\$0.25
7167 Total Marketing & Business Fees	Sum(E7157:E7166)		\$5.53
7168			
7169 Sub-Total Direct Cost & Marketing	E7157+E7167		\$171.18
7170			
7171 Other Direct Expenses			
7172 Network Operations	D7172*E7169	0.034832	\$5.96
7173 Network Support Assets	D7173*E7169	0.014703	\$2.52
7174 General Support Assets	D7174*E7169	0.088742	\$15.19
7175 General Purpose Computers	D7175*E7169	0.043342	\$7.42
7176 Uncollectible	D7176*E7169	0.003786	\$0.65
7177 Accounting & Finance Expens€	D7177*E7169	0.007346	\$1.26
7178 Human Resources Expense	D7178*E7169	0.008294	\$1.42
7179 Information Management Expense	D7179*E7169	0.070887	\$12.13
7180 Intangibles	D7180*E7169	0.000000	\$0.00
7181 Total Other Direct Expenses	Sum(E7172:E7180)		\$46.55
7182			
7183 TELRIC	E7172+E7181		\$217.73
7184			
7185 <i>Common</i>			
7186 Executive Expense	D7186*E7183	0.011267	\$2.45
7187 Planning Expense	D7187*E7183	0.000525	\$0.11
7188 External Relations Expense	D7188*E7183	0.037846	\$8.24
7189 Legal Expense	D7189*E7183	0.004717	\$1.03
7190 Other Procurement Expense	D7190*E7183	0.001860	\$0.40
7191 Research & Development Expense	D7191*E7183	0.000006	\$0.00
7192 Other General and Admin Expense	D7192*E7183	0.015064	\$3.28
7193 Common Costs	Sum(E7186:E7192)		\$15.52
7194			
7195 TELRIC + Common Costs	E7163+E7193	. —	\$233.25

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

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Work Hear	Time Minutes	Prob #1	Prob Prob	Prob #4	Applied Time (Minutes)	Labor	
Hork teen A	B B	Ċ	D È	F	G B * (C Thru F)	<i>Hour</i> H	Cost I H * (G/60)
SUBLOOP FIELD CONNECTION POINT QUOTATION PREP FEE							
*ADD*							
-INFRASTRUCTURE AVAILABILITY CENTER (IAC) Quote preparation for field connection point	180	1.000			180.00	\$56.97	\$170.9
Subtotal - INFRASTRUCTURE AVAILABILITY CENTER (IAC,					180.00		\$170.9
-TACTICAL PLANNING Quote preparation for field connection point	480	1.000			480.00	\$46.18	\$369.4
Subtotal - TACTICAL PLANNING					480.00		\$369.4
-OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)  Quote preparation for field connection point	480	1.000			480.00	\$51.76	\$414.08
Subtotal - OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP,					480.00		\$414.0
Total For Service:	<del></del>			<del></del>	1.140.00	<del></del>	\$954.43

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Hen A	Time Minutes B	Prob #1 C	Prot #2 D	Prob Applied Time #4 (Minutes) F G	Labor Mour Coat
				B * (C Thru F)	H * (G/60)

# SUBLOOP FIELD CONNECTION POINT QUOTATION PREP FEE (con't)

7247 Direct Cost			\$854,43
7248			
7249	Cost	Cost	
7250	Calculation	Factor	Cost
7251	8 C	Ð	E
7252 Marketing & Business Fees			
7253 Product Management Expense	D7253*E7247	0.019957	\$19.05
7254 Sales Expense	D7254*E7247	0.011877	\$11.34
7255 Product Advertising Expense	D7255*E7247	0.000000	\$0.00
7256 Business Fees (Other Operating Taxes)	D7256*Sum(E7247:E7255)	0.001483	\$1.46
7257 Total Marketing & Business Fees	Sum(E7247:E7256)		\$31.84
7258			
7259 Sub-Total Direct Cost & Marketing	E7247+E7257		\$986.27
7260			
7261 Other Direct Expenses			
7262 Network Operations	D7262*E7259	0.034832	\$34.35
7263 Network Support Assets	D7263*E7259	0.014703	\$14.50
7264 General Support Assets	D7264*E7259	0.088742	\$87.52
7265 General Purpose Computers	D7265*E7259	0.043342	\$42.75
7266 Uncollectible	D7266*E7259	0.003786	\$3.73
7267 Accounting & Finance Expense	D7267*E7259	0.007346	\$7.24
7268 Human Resources Expense	D7268*E7259	0.008294	\$8.18
7269 Information Management Expense	D7269*E7259	0.070887	\$69.91
7270 Intangibles	D7270*E7259	0.000000	\$0.00
7271 Total Other Direct Expenses	Sum(E7262: E7270)		\$268.20
7272			
7273 TELRIC	E7262+E7271		\$1,254.47
7274			
7275 Common			
7276 Executive Expense	D7276*E7273	0.011267	\$14.13
7277 Planning Expense	D7277*E7273	0.000525	\$0.66
7278 External Relations Expense	D7278*E7273	0.037846	\$47.48
7279 Legal Expense	D7279*E7273	0.004717	\$5.92
7280 Other Procurement Expense	D7280*E7273	0.001860	\$2.33
7281 Research & Development Expense	D7281*E7273	0.000006	\$0.01
7282 Other General and Admin Expense	D7282*E7273	0.015064	\$18.90
7283 Common Costs	Sum(E7276:E7282)		\$89.43
7284			
7285 TELRIC + Common Costs	E7273+E7283		\$1,343.90

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prob Pi	ob Applied Time	Lebor	
Work Been	Minutes	#1 C	<b>#2 #3 1</b> D E	Minutes) F G	/Hour	Cost
A	ь	C	<b>D</b> Е	B * (C Thru F)	п	H * (G/60)
FIELD CONNECTION POINT RECLASSIFICATION						
*ADD*						
COLLOCATION PROJECT MANACEMENT CENTER (CRNC)						
-COLLOCATION PROJECT MANAGEMENT CENTER (CPMC)  Receive request place in file on desktop	1	1.000		1.00	\$56.97	\$0.95
Check for previous requests at this address	5	1.000		5.00	\$56.97	\$4.75
Review CLEC's contract and 271 requirements	30	1.000		30.00	\$56.97	\$28.49
Check application for errors	15	1.000		15.00	\$56.97	\$14.24
Create facesheet	5	1.000		5.00	\$56.97	\$4.75
Compose and forward email to SICM, CPMC PM, WPM	2	1.000		2.00	\$56.97	\$1.90
Shared time for common phone calls, meetings, reports	10	1.000		10.00	\$56.97	\$9.50
Print copy of application	1	1.000		1.00	\$56.97	\$0.95
Print copy of email to ATR	1	1.000		1.00	\$56.97	\$0.95
Create physical folder and file	3	1.000		3.00	\$56.97	\$2.85
Enter request data into COMET	7	1.000		7.00	\$56.97	\$6.65
Move file from desktop into results folder	2	1.000		2.00	\$56.97	\$1.90
Place copy of email in physical folder	2	1.000		2.00	\$56.97	\$1.90
File physical folder	2	1.000		2.00	\$56.97	\$1.90
	<del></del>			86.00		444 641
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC			<del></del>	86.00		\$81.66
				86.00		\$81.66
-WORK FOR PROCESSING AN FEASIBILITY - CPMC	2	1.000		2.00	\$56.97	\$81.66 \$1.90
	2 1	1.000 1.000			\$56.97 \$56.97	
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers				2.00		\$1.90
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File	1 1 2	1.000		2.00 1.00	\$56.97	\$1.90 \$0.95
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form	1 1 2 5	1.000 1.000		2.00 1.00 1.00	\$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers	1 1 2 5 2	1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email	1 1 2 5 2 1	1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM	1 1 2 5 2	1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$0.95 \$0.95 \$1.90 \$4.75 \$1.90
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email	1 1 2 5 2 1	1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility To Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC	1 1 2 5 2 1	1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility To Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away	1 1 2 5 2 1	1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC -WORK FOR PROJECT MANAGER - CPMC	1 1 2 5 2 1 3	1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away    Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC -WORK FOR PROJECT MANAGER - CPMC Receive job from validation	1 1 2 5 2 1 3	1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 \$16.14 \$0.95 \$0.95 \$4.75
-WORK FOR PROCESSING AN FEASIBILITY - CPMC  Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC  -WORK FOR PROJECT MANAGER - CPMC Receive job from validation Download application to file Complete OSP facesheet Find OSP person from wirecenter	1 1 2 5 2 1 3	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00 17.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 \$16.14 \$0.95 \$4.75 \$4.75
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC  -WORK FOR PROJECT MANAGER - CPMC Receive job from validation Download application to file Complete OSP facesheet Find OSP person from wirecenter Email to OSP Tactical Planner with attachments	1 1 2 5 2 1 3	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00 17.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 \$16.14 \$0.95 \$0.95 \$4.75 \$4.75 \$1.90
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC  -WORK FOR PROJECT MANAGER - CPMC Receive job from validation Download application to file Complete OSP facesheet Find OSP person from wirecenter Email to OSP Tactical Planner with attachments Print out and put in file	1 1 2 5 2 1 3 	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00 17.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 \$16.14 \$0.95 \$0.95 \$4.75 \$4.75 \$4.75 \$1.90 \$1.90
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility To Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC  -WORK FOR PROJECT MANAGER - CPMC Receive job from validation Download application to file Complete OSP facesheet Find OSP person from wirecenter Email to OSP Tactical Planner with attachments Print out and put in file Check CPD for job entered	1 1 2 5 2 1 3 1 1 5 5 2 2 2 3	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00 17.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 <b>\$16.14</b> \$0.95 \$0.95 \$4.75 \$4.75 \$1.90 \$1.90 \$2.85
-WORK FOR PROCESSING AN FEASIBILITY - CPMC Obtain files from validation group Contact CPMC Project Manager Receive OSP feasibility from COMC Project Managers Print OSP feasibility out and File Create Feasibility Form Email Feasibility to Cust, WPM, SICM Print email File email and hard copy in Job Folder and File job away  Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC  -WORK FOR PROJECT MANAGER - CPMC Receive job from validation Download application to file Complete OSP facesheet Find OSP person from wirecenter Email to OSP Tactical Planner with attachments Print out and put in file	1 1 2 5 2 1 3 	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000		2.00 1.00 1.00 2.00 5.00 2.00 1.00 3.00 17.00	\$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97 \$56.97	\$1.90 \$0.95 \$1.90 \$4.75 \$1.90 \$0.95 \$2.85 \$16.14 \$0.95 \$0.95 \$4.75 \$4.75 \$4.75 \$1.90 \$1.90

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Julio. Godin Dungla						
Work from	Time Minutos	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor /Hour	Cost
A A	B B	- Ĉ	D E E	G	H	<u> </u>
,		Ū		B * (C Thru F)	**	H * (G/60)
FIELD CONNECTION POINT RECLASSIFICATION (con't)						
Send Feasibility to Feasibility team	2	1.000		2.00	\$56.97	\$1.90
Receive CPD costing tool from OSP TP	2	1.000		2.00	\$56.97	\$1.90
Print out and put in file	2	1.000		2.00	\$56.97	\$1.90
Update Comet	3	1.000		3.00	\$56.97	\$2.85
Send CPD costing tool to Quote Team	2	1.000		2.00	\$56.97	\$1.90
Receive job prints from OSP TP	1	1,000		1.00	\$56.97	\$0.95
Check for accuracy and file	5	1.000		5.00	\$56.97	\$4.75
Fax prints to SICM	5	1.000		5.00	\$56.97	\$4.75
Check Job Finder to make sure prints went to CMC	5	1.000		5.00	\$56.97	\$4.75
Receive OSP Preliminary APOT	3	1.000		3.00	\$56.97	\$2.85
Check for accuracy and file	5	1.000		5.00	\$56.97	\$4.75
Print out and put in file	5	1.000		5.00	\$56.97	\$4.75
Send to WPM and SICM	2	1.000		2.00	\$56.97	\$1.90
Update Comet	2	1.000		2.00	\$56.97	\$1.90
Receive notificiation of job completion from CMC	2	1.000		2.00	\$56.97	\$1.90
Print out and put in file	3	1.000		3.00	\$56.97	\$2.85
Receive Final Apot from OSP	2	1.000		2.00	\$56.97	\$1.90
Check for accuracy and file	5	1.000		5.00	\$56.97	\$4.75
Type out Notification Letter of Job completion	10	1.000		10.00	\$56.97	\$9.50
Type out Collocation Acceptance letter	3	1.000		3.00	\$56.97	\$2.85
Email notification letter to CLEC, SICM, WPM	2	1.000		2.00	\$56.97	\$1.90
Email Collocation Acceptance Letter to SICM	2	1.000		2.00	\$56.97	\$1.90
Status job complete in Comet and update Fields	2	1.000		2.00	\$56.97	\$1.90
Receive Walkthrough from SICM file into folder	5	1.000		5.00	\$56.97	\$4.75
Forward final APOT when final payment received	3	1.000		3.00	\$56.97	\$2.85
Update COMET	3	1.000		3.00	\$56.97	\$2.85
Subtotal - WORK FOR PROJECT MANAGER - CPMC			<del> </del>	111.00		\$105.39
-WORK FOR CPMC BILLING - CPMC						
Track payment through bart	2	1.000		2.00	\$56.97	\$1.90
Calculate new install complete dates and RFS dates	5	1.000		5.00	\$56.97	\$4.75
Email to CLEC	2	1.000		2.00	\$56.97	\$1.90
File in lob folder	2	1.000		2.00	\$56.97	\$1.90
Update comet database	2	1.000		2.00	\$56.97	\$1.90
File in job folder	2	1.000		2.00	\$56.97	\$1.90
Subtotal - WORK FOR CPMC BILLING - CPMC				15.00	· · · · · · · · · · · · · · · · · · ·	\$14.24
-WORK FOR CPMC QUOTE TEAM - CPMC				<del>-</del>		
Verifies schedule of Quote	1	1.000		1.00	\$56.97	\$0.95
Receive Funding Document and file	ġ	1.000		3.00	\$56.97	\$2.85
Check Funding Document with application	5	1.000		5.00	\$56.97	\$4.75
Citoti Tilding Sociation with approximati	•			5.00	<b>30</b> 0.0,	Ψ4.7 Q

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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					****			
Work ham	Time Minutes	Prob Fi	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
FOR HERR	AUTOLOG	<del>.</del>	#2 D	#3 F	- <b>89</b>	(marices)	- //302/ H	C-OSI )
<i>A</i>		•	-	_	•	B * (C Thru F)	11	H * (G/60)
						_ (= \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		(/
FIELD CONNECTION POINT RECLASSIFICATION (con't,								
Check application to ensure accuracy	5	1,000				5.00	\$56.97	\$4.75
Verifies Quote contract and State cost Dockets	15	1.000				15.00	\$56.97	\$14.24
Builds Template for Quote for recurring and nonrecurring charges	10	1.000				10.00	\$56.97	\$9.50
Email Quote to CLEC and copies to Wholesale and Billing Dep1	15	1.000				15.00	\$56.97	\$14.24
File Quote in file folder	2	1.000				2.00	\$56.97	\$1.90
Update comet database	5	1.000				5.00	\$56.97	\$4.75
Subtotal - WORK FOR CPMC QUOTE TEAM - CPMC						61.00		\$57.92
-LOOP PROVISIONING CENTER (LPC)								
Remove the FCP inventory in LFACS		3 1.000				3.00	\$37.78	\$1.89
Build the new DSL inventory in LFACS		4 1.000				4.00	\$37.78	\$2.52
Research the job prints to find all the required data	1	5 1.000				15. <b>00</b>	\$37.78	\$9.45
Subtotal - LOOP PROVISIONING CENTER (LPC)						22.00		\$13.85
-OUTSIDE PLANT ENGINEERING (OSP)								
Receive and review request	1	0 1.000				10.00	\$51.76	\$8.63
Create Common Planning Document (CPD) (using BAN provided by CPMC)		0 1.000				30.00	\$51.76	\$25.88
Access wirecenter software systems OSP-FM/CIMAGE		0 1.000				10.00	\$51.76	\$8.63
Navigate to work location in OSP-FM/CIMAGE	1	5 1.000				15.00	\$51.76	\$12.94
Design job and issue job via Job Distribution System (JDS)	6	0 1.000				60.00	\$51.76	\$51.76
Complete CPD (Design Complete) & send to Job Expenditure Tracking System (JETS)	-	0 1.000				10.00	\$51.76	\$8.63
Complete Alternate Point of Termination (APOT) form	1	0 1.000				10.00	\$51.76	\$8.63
Compile information and send to CPMC	1	0 1.000				10.00	\$51.76	\$8.63
Subtotal - OUTSIDE PLANT ENGINEERING (OSP)				<u>-</u>		155.00		\$133.71
Total For Service:						467.00		\$422.92
Total Total Title.			<del></del> -	<del></del>				₩

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Rem A	Time Minutes B	Prob #1 C	Prob Prob #2 #3 D E	36 St. St. O. 191 A V. V. St. St. Lit. 10 St. O.	Applied Time (Minutes) G	Labor Most Cost
					B * (C Thru F)	H * (G/60)

### FIELD CONNECTION POINT RECLASSIFICATION (con't,

7427 Office Cont			\$422.92
7428			
7429	Cost	Cost	
7430	Calculation	Factor	Cost
7431	B C	D	E
7432 Marketing & Business Fees			
7433 Product Management Expense	D7433*E7427	0.019957	\$8.44
7434 Sales Expense	D7434*E7427	0.011877	\$5.02
7435 Product Advertising Expense	D7435*E7427	0.000000	\$0.00
7436 Business Fees (Other Operating Taxes)	D7436*Sum(E7427:E7435)	0.001483	\$0.65
7437 Total Marketing & Business Fees	Sum(E7427;E7436)		\$14,11
7438	<del></del>		
7439 Sub-Total Direct Cost & Marketing	E7427+E7437		\$437.03
7440			
7441 Other Direct Expenses			
7442 Network Operations	D7442*E7439	0.034832	\$15.22
7443 Network Support Assets	D7443*E7439	0.014703	\$6.43
7444 General Support Assets	D7444*E7439	0.088742	\$38.78
7445 General Purpose Computers	D7445*E7439	0.043342	\$18.94
7446 Uncollectible	D7446*E7439	0.003786	\$1.65
7447 Accounting & Finance Expense	D7447*E7439	0.007346	\$3.21
7448 Human Resources Expense	D7448*E7439	0.008294	\$3.62
7449 Information Management Expense	D7449*E7439	0.070887	\$30.98
7450 Intangibles	D7450*E7439	0.000000	\$0.00
7451 Total Other Direct Expenses	Sum(E7442:E7450)		\$118.84
7452			
7453 TELRIC	E7442+E7451		\$555.87
7454			
7455 Common			
7456 Executive Expense	D7456*E7453	0.011267	\$6.26
7457 Planning Expense	D7457*E7453	0.000525	\$0.29
7458 External Relations Expense	D7458*E7453	0.037846	\$21.04
7459 Legal Expense	D7459*E7453	0.004717	\$2.62
7460 Other Procurement Expense	D7460*E7453	0.001860	\$1.03
7461 Research & Development Expense	D7461*E7453	0.000006	\$0.00
7462 Other General and Admin Expense	D7462*E7453	0.015064	\$8.37
7463 Common Costs	Sum(E7456: E7462)		\$39.63
7464			
7465 TELRIC + Common Costs	E7453+E7463	<u> </u>	\$595.50

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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1.6, 5 probabilities is percent of time this activity will occur.	Oldie. Godin Bandia							
### (Group Page 1 or ope per order) Mechanized    NTERCONNECT SERVICE CENTER (ICS)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1 order)   H * (Group Page 1	Work floor	0.0807	0.00 market and 0.00 market at 10.00 market at 10.00 market at 10.00 market at 10.00 market at 10.00 market at	Carrier 108080 108080 1000			S & 3koxoxoRo94829	Cont
### ARED LOOP (per loop per order) Mechanized    NODE	A A		Ċ	D	Ē F	G		I
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### A Probabilities is percent of time this activity will occur.  ### A Prob (15) is percent orders that will fail out of IMA for manual handling.  Review LSR for completeness and accuracy, contractual entries  ### Vorify Connecting Facility Assignment (CPA) for facility/circuit availability  ### A Prob (15) is percent orders that will fail out.  ### A Prob (15) is percent orders that will fail out of IMA for manual handling.  ### A Prob (15) is percent orders that will fail out.  ### A Prob (15) is percent order in the section of the processor of the provisioning on the probability is percent shared loop requests that will fail out.  ### A Prob (15) is percent order in to service STRING CONTROL OF The Processor of the provisioning of 10 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150 out of 150								
1.6, 5 probabilities is percent of time this activity will occur.	<u>ADD</u>							
Prob (-15)   Is percent orders that will fall out of liMA for manual handling.	INTERCONNECT SERVICE CENTER (ICS)							
Nerview LSR for completeness and accuracy, contractual entries   3   1,000   0.150   0.45   \$40,03   \$50,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000								
Verify Connecting Facility Assignment (CPA) for facility/circuit availability   3   1,000   0,150   0,45   540,03   55		3	1.000	0.150		0.45	ይለበ በያ	\$0.3
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta 4 1,000 0.150 0.30 \$40.03 \$\$ CPPD lockup billing USOC's for op-provider 12x code, and bill date 2 1,000 0.150 0.39 \$40.03 \$\$ Summary Bill List-Lock up Billing Telephone Number, tax code, and bill date 2 1,000 0.150 0.39 \$40.03 \$\$ Yerify Civest and user Customer Service Record to determine if order issuance is applicable 2 1,000 0.150 0.38 \$40.03 \$\$ Yerify Civest and user Customer Service Record to determine if order issuance is applicable 2 1,000 0.150 0.39 \$40.03 \$\$ Populate required fields 3 1,000 0.150 0.45 \$40.03 \$\$ Type, review and submit to customer the Firm Order Confirmation (FOC) 3 1,000 0.150 0.45 \$40.03 \$\$ Input order into service order processor. Type and format order for billing and provisioning 10 1,000 0.150 0.45 \$40.03 \$\$ Handle calls from other departments working the order 15 1,000 0.150 0.45 \$40.03 \$\$ Handle calls from other departments working the order 15 1,000 0.150 0.45 \$40.03 \$\$ Handle suse including conditioning, lacility, cable&pair 5 0.500 0.150 0.45 \$40.03 \$\$  Inbitial - INTERCONNECT SERVICE CENTER (ICS) 4.4 0.00 16.00 \$43.81 \$\$  ENTRAL OFFICE 4 probability is the number of jumpers required. CO PLACE JUMPER(S) 4 4.000 16.00 \$43.81 \$\$  PREPROVISIONING TESTING 5 4.4 0.00 16.00 \$43.81 \$\$  ISCONNECT  **ITERCONNECT SERVICE CENTER**  -15 probability is percent shared loop requests that will fell out.  Review LST for completeness and accuracy, contractual entries 5 0.500 0.500 0.500 0.500 0.500 \$40.03 \$\$  Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address 2 0.150 0.00 \$40.03 \$\$  Populate required fields 0.45 \$40.03 \$\$  Populate required fields 0.45 \$40.03 \$\$  Populate required fields 0.45 \$40.03 \$\$  Proper order in service order processor. Type and format order for billing and provisioning 1 0.150 0.45 \$40.03 \$\$  Ensure order is successfully distributed to the systems and is ready for provisioning 1 0.150 0.45 \$40.03 \$\$  Ensure order is successfully distributed to the								\$0.3
CPPD look-up billing USCC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Summary Bill List-Look up Billing Telephone Number, tax code, and bill date 2 1,000 0.150 0.30 \$40,03 \$50 Analyze request to determine co-provider, type of order, and installation optior 2.5 1,000 0.150 0.38 \$40,03 \$50 Populate required fields 3 1,000 0.150 0.45 \$40,03 \$50 Populate required fields 3 1,000 0.150 0.45 \$40,03 \$50 Input order into service order processor. Type and format order for billing and provisioning 10 1,000 0.150 0.45 \$40,03 \$50 Input order into service order processor. Type and format order for billing and provisioning 10 1,000 0.150 0.45 \$40,03 \$50 Input order in successfully distributed to the systems and is ready for provisioning 3 1,000 0.150 0.45 \$40,03 \$50 Handle calls from other departments working the order Handle issues including conditioning, facility, cable&pail  Libitotal - INTERCONNECT SERVICE CENTER (ICS)  EINTRAL OFFICE 4 probability is the number of jumpers required. COPLACE JUMPER(S)  18.00 \$13  SITERCONNECT SERVICE CENTER  -15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  15 probability is percent shared loop requests that will fall out. Review LSR for completeness and accuracy, contractual entries  16 probability is percent shared loop r		•				*		\$0.4
Summary Bill List-Lok up Billing Telephone Number, tax code, and bill date								\$0.2
Analyze request to determine cc-provider, type of order, and installation optior 2.5 1.000 0.150 0.38 \$40.03 \$50.00 \$150 0.30 \$40.03 \$50.00 \$150 0.30 \$40.03 \$50.00 \$150 0.30 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35 \$40.03 \$50.00 \$150 0.35							-	\$0.2
Verify Owest end user Customer Service Record to determine if order issuance is applicable   2   1.000   0.150   0.30   \$40.03   \$50.03   \$50.03   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$70   \$	Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150				\$0.2
Populate required fields   7.9ps, review and submit to customer the Firm Order Confirmation (FOC)   3   1.000   0.150   0.45   \$40.03   \$50   17.9ps, review and submit to customer the Firm Order Confirmation (FOC)   3   1.000   0.150   0.45   \$40.03   \$50   17.9ps, review and submit to customer the Firm Order Confirmation (FOC)   3   1.000   0.150   0.150   0.45   \$40.03   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50   \$50	Verify Owest end user Customer Service Record to determine if order issuance is applicable	2	1.000	0.150		0.30	\$40.03	\$0.5
Type, review and submit to customer the Firm Order Confirmation (FOC) 3 1.000 0.150 0.45 \$40.03 \$50 input order into service order processor. Type and format order for billing and provisioning 10 1.000 0.150 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and provisioning 10 1.000 0.150 0.45 \$40.03 \$10 input order into service order is successfully distributed to the systems and is ready for provisioning 3 1.000 0.150 0.45 \$40.03 \$10 input order included in the calls from other departments working the order 5 0.600 0.150 0.45 \$40.03 \$10 industrial input order included in the calls from other departments working the order 5 0.600 0.150 0.45 \$40.03 \$10 industrial input order included in the calls from other departments working the order 5 0.600 0.150 0.45 \$40.03 \$10 industrial input order included in the calls from other departments working the order 5 0.600 0.150 0.150 0.45 \$40.03 \$10 industrial input order included in the call input order included in the call input order included in the call input order included in the call input order included in the call input order included in the call input order included in the call input order included in the call input order included in the systems and is ready for provisioning 10 0.150 0.45 \$40.03 \$10 input order included in the systems and is ready for provisioning 10 0.150 0.45 \$40.03 \$10 input order included in the systems and is ready for provisioning 10 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and provisioning 10 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and provisioning 10 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and provisioning 10 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and provisioning 10 0.150 0.45 \$40.03 \$10 input order into service order processor. Type and format order for billing and		3	1.000	0.150		0.45		\$0.
Input order into service order processor. Type and format order for billing and provisioning   10   1.000   0.150   0.150   0.45   \$40.03   \$50.000   \$1.50   0.45   \$40.03   \$50.000   \$1.50   0.45   \$40.03   \$50.000   \$1.50   0.45   \$40.03   \$50.000   \$1.50   0.45   \$40.03   \$50.000   \$1.50   0.45   \$40.03   \$50.000   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.50   \$1.5	Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000	0.150		0.45	\$40.03	\$0.3
Ensure order is successfully distributed to the systems and is ready for provisioning 3 1.000 0.150 0.45 \$40.03 \$0 14 14 14 14 14 14 14 14 14 14 14 14 14	Input order into service order processor. Type and format order for billing and provisioning	10	1.000	0.150		1.50	\$40.03	\$1.0
Handle calls from other departments working the order	Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	0.150		0.45	\$40.03	\$0.3
### 1.50 PROPERTY SERVICE CENTER (ICS)  ###################################	Handle calls from other departments working the order	5	0.600	0.150		0.45	\$40.03	\$0.3
### A probability is the number of jumpers required.  CO PLACE JUMPER(S)	Handle issues including conditioning, facility, cable&pair	5	0.500	0.150		0.38	\$40.03	\$0.2
### ### ##############################	Subtotal - INTERCONNECT SERVICE CENTER (ICS;					6.45		\$4.3
### ### ##############################	CENTRAL OFFICE							
CO PLACE JUMPER(S) PREPROVISIONING TESTING  4 4.000 2 1.000  16.00 \$43.81 \$11 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$43.81 \$1 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.00 \$40.03 \$0 2.0								
PREPROVISIONING TÉSTING  2 1.000 2.00 \$43.81 \$1  ##################################		4	4.000			16.00	\$43.81	\$11.6
INTERCONNECT SERVICE CENTER  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Service Center  Interconnect Ser			1.000					\$1.4
### TERCONNECT SERVICE CENTER  ### .15 probability is percent shared loop requests that will fall out.  ### Review LSR for completeness and accuracy, contractual entries    Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.   2	Subtotal - CENTRAL OFFICE					18.00		\$13.14
### TERCONNECT SERVICE CENTER  ### .15 probability is percent shared loop requests that will fall out.  ### Review LSR for completeness and accuracy, contractual entries    Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.   2	DISCONNECT*					<u></u>		
### Complete India Provision of the Systems and is ready for provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning and provisioning								
Review LSR for completeness and accuracy, contractual entries 3 0.150 0.45 \$40.03 \$0 Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address 2 0.150 0.30 \$40.03 \$0 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 0.150 0.30 \$40.03 \$0 Populate required fields 3 0.150 0.45 \$40.03 \$0 Input order into service order processor. Type and format order for billing and provisioning 10 0.150 1.50 \$40.03 \$1 Ensure order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0 0.45 \$40.03 \$1 Ensure order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$1								
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address20.1500.30\$40.03\$0Type, review and submit to customer the Firm Order Confirmation (FOC)20.1500.30\$40.03\$0Populate required fields30.1500.45\$40.03\$0Input order into service order processor. Type and format order for billing and provisioning100.1501.50\$40.03\$1Ensure order is successfully distributed to the systems and is ready for provisioning30.1500.45\$40.03\$1		•	0.150			6.45	040.00	<b>6</b> 5.5
Type, review and submit to customer the Firm Order Confirmation (FOC)  Populate required fields  Input order into service order processor. Type and format order for billing and provisioning  Ensure order is successfully distributed to the systems and is ready for provisioning  3 0.150  0.150  0.30 \$40.03 \$0  0.45 \$40.03 \$1  0.150  0.150  0.45 \$40.03 \$1  0.150  0.45 \$40.03 \$1								\$0.3
Populate required fields Input order into service order processor. Type and format order for billing and provisioning Input order is successfully distributed to the systems and is ready for provisioning Input order is successfully distributed to the systems and is ready for provisioning Input order is successfully distributed to the systems and is ready for provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning Input order into service order processor. Type and format order for billing and provisioning		_	****				-	
Input order into service order processor. Type and format order for billing and provisioning 10 0.150 1.50 \$40.03 \$1  Ensure order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0								
Ensure order is successfully distributed to the systems and is ready for provisioning 3 0.150 0.45 \$40.03 \$0		_						
	input order into service order processor. Type and format order for billing and provisioning							
ibtotal - INTERCONNECT SERVICE CENTER 3.45 \$2	Ensure order is successfully distributed to the systems and is ready for provisioning	3	U. 15U			0.45	\$40.03	\$0.30
	Subtotal - INTERCONNECT SERVICE CENTER					3.45		\$2.30

-CENTRAL OFFICE

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob Pro	STOREGIST OF A STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE STOREGE	Labor /Hour	Cost
Ā	В	С	Ď	E F	G B * (C ⊺hru F)	Н	H * (G/60)
SHARED LOOP (per loop per order) Mechanized (con't)							
4 probability is the number of jumpers removed. CO REMOVE JUMPER(S)	2.3	4.000			9.20	\$43.81	\$6.72
Subtotal - CENTRAL OFFICE					9.20		\$6.72
Total For Service:			<del></del>		37.10		\$26.47

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob #1 C	Prob Prob #3 #4 E F		abor Hour Cost
				B * (C Thru F)	H * (G/60)

# SHARED LOOP (per loop per order) Mechanized (con't)

7562 Direct Cost			\$26.47
7563			www.
7564	Cost	Cost	
7565	Calculation	Factor	Cost
7566	в с	D	-
7567 Marketing & Business Fees			900000 - 000000000000000000000000000000
7568 Product Management Expense	D7568*E7562	0.019957	\$0.53
7569 Sales Expense	D7569*E7562	0.011877	\$0.31
7570 Product Advertising Expense	D7570*E7562	0.000000	\$0.00
7571 Business Fees (Other Operating Taxes)	D7571*Sum(E7562;E7570)	0.001483	\$0.04
7572 Total Marketing & Business Fees	Sum(E7562:E7571)		\$0.88
7573	<u></u>		
7574 Sub-Total Direct Cost & Marketing	E7562+E7572		\$27.35
7575			
7576 Other Direct Expenses			
7577 Network Operations	D7577*E7574	0.034832	\$0.95
7578 Network Support Assets	D7578*E7574	0.014703	\$0.40
7579 General Support Assets	D7579*E7574	0.088742	\$2.43
7580 General Purpose Computers	D7580*E7574	0.043342	\$1.19
7581 Uncollectible	D7581*E7574	0.003786	\$0.10
7582 Accounting & Finance Expense	D7582*E7574	0.007346	\$0.20
7583 Human Resources Expense	D7583*E7574	0.008294	\$0.23
7584 Information Management Expense	D7584*E7574	0.070887	\$1.94
7585 Intangibles	D7585*E7574	0.000000	\$0.00
7586 Total Other Direct Expenses	Sum(E7577:E7585)		\$7.44
7587			
7588 TELRIC	E7577+E7586		\$34.79
7589			
7590 Common			
7591 Executive Expense	D7591*E7588	0.011267	\$0.39
7592 Planning Expense	D7592*E7588	0.000525	\$0.02
7593 External Relations Expense	D7593*E7588	0.037846	\$1.32
7594 Legal Expense	D7594*E7588	0.004717	\$0.16
7595 Other Procurement Expense	D7595*E7588	0.001860	\$0.06
7596 Research & Development Expense	D7596*E7588	0.000006	\$0.00
7597 Other General and Admin Expense	D7597*E7588	0.015064	\$0.52
7598 Common Costs	Sum(E7591:E7597)		\$2.48
7599		<del></del>	
7600 TELRIC + Common Costs	E7588+E7598		\$37.27

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work Rent	Tima Minutes	A BO 8080 W 3. BISSROBERS 0.919 ISSROB	rot Prob #2 #3	Prob Applied Time 64 (Minutes)	Labor Mout	Cost
Ā	В	С	D E	F G B*(C Thru F)	H	I H * (G/60)
				2 (0 1		(4.00)
NETWORK INTERFACE DEVICE						
*ADD*						
<u>-INTERCONNECT SERVICE CENTER (ISC)</u> PROVISION LINK ORDER	15	1.000		15.00	\$39.16	\$9,79
Subtotal - INTERCONNECT SERVICE CENTER (ISC;				15.00	<del></del>	\$9.79
		·		13.00		49.13
-INSTALLATION TRAVEL TIME	21	1.000		21.00	\$42.68	\$14.94
RETROFIT UNIT	35	1.000		35.00	\$42.68	\$24.90
Subtotal - INSTALLATION				56.00		\$39.83
Total For Service:				71.00		\$49.62

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Work flam A	Time Minutes B	Prob Prob #1 #2 C D	Prob Pro #9 #9 E F		Lebor Hour Cost
				B * (C Thru F)	H * (G/60)

# NETWORK INTERFACE DEVICE (con't)

7652 Direct Cost			\$49.62
7653			
7654	Cost	Cost	
7655	Calculation	Factor	Cost
7656	B C	Ð	E
7657 Marketing & Business Fees			
7658 Product Management Expense	D7658*E7652	0.019957	\$0.99
7659 Sales Expense	D7659*E7652	0.011877	\$0.59
7660 Product Advertising Expense	D7660*E7652	0.000000	\$0.00
7661 Business Fees (Other Operating Taxes)	D7661*Sum(E7652:E7660)	0.001483	\$0.08
7662 Total Marketing & Business Fees	Sum(E7652:E7661)		\$1.66
7663	<del> · · ·</del>		
7664 Sub-Total Direct Cost & Marketing	E7652+E7662		\$51.28
7665	<del></del>		
7666 Other Direct Expenses			
7667 Network Operations	D7667*E7664	0.034832	\$1.79
7668 Network Support Assets	D7668*E7664	0.014703	\$0.75
7669 General Support Assets	D7669*E7664	0.088742	\$4.55
7670 General Purpose Computers	D7670*E7664	0,043342	\$2.22
7671 Uncollectible	D7671*E7664	0.003786	\$0.19
7672 Accounting & Finance Expense	D7672*E7664	0.007346	\$0.38
7673 Human Resources Expense	D7673*E7664	0.008294	\$0.43
7674 Information Management Expense	D7674*E7664	0.070887	\$3.64
7675 Intangibles	D7675*E7664	0.000000	\$0.00
7676 Total Other Direct Expenses	Sum(E7667;E7675)		\$13.94
7677			
7678 TELRIC	E7667+E7676		\$65.23
7679			
7680 Common			
7681 Executive Expense	D7681*E7678	0.011267	\$0.73
7682 Planning Expens€	D7682*E7678	0.000525	\$0.03
7683 External Relations Expense	D7683*E7678	0.037846	\$2.47
7684 Legal Expense	D7684*E7678	0.004717	\$0.31
7685 Other Procurement Expense	D7685*E7678	0.001860	\$0.12
7686 Research & Development Expense	D7686*E7678	0.000006	\$0.00
7687 Other General and Admin Expense	D7687*E7678	0.015064	\$0.98
7688 Common Costs	Sum(E7681:E7687)		\$4.65
7689			
7890 TELRIC + Common Costs	E7678+E7688	<del> </del>	\$69.87

Study Name: NONRECURRING ELEMENTS

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Work harp	Time Minutes	Prob #1	Prob Prob Prob #2 #3 M	Applied Time (Minutes)	Labor Mour	Cost
A	В	<del>- c</del>	D E F	G	Н	-
				B* (C Thru F)		H * (G/60)
UDIT DOG						
UDIT DSO						
*ADD*						
SERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.35 PROBABILITY OF TIME MANUALLY HANDLED	_	0.000				
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	\$0.6
RECEIVE ASR VIA FAX	10	0.100		1.00	\$40.03	\$0.6
VALIDATE ASR IN EXACT CHECK CREDIT INFO/SECURITY	10	1.000		10.00	\$40.03	\$6.6
TIRKS	2 3	1,000 1,000		2.00	\$40.03	\$1.3
TIRKS	5 5	1.000		3.00	\$40.03	\$2.0
VALIDATE ADDRESS IN TAG	3	1.000		5.00	\$40.03	\$3.3
	3			3.00	\$40.03	\$2.0
VALIDATE CONTRACT RATES		1.000		3.00	\$40.03	\$2.0
VERIFY LOA COORDINATE AS ICO	5 8	0.650 0.350		3.25	\$40.03	\$2.1
INTRA COMPANY CALLS	13			2.80	\$40.03	\$1.8
MECHANICAL FOC	13	1.000 0.900		13.00	\$40.03	\$8.6
MANUALLY FOC	6	0.900		0.90	\$40.03	\$0.6
DISTRIBUTE THE ORDER TO IABS	0			0.60	\$40.03	\$0.4
VALIDATE IABS SERVICE ORDER	6	1.000 1.000		1.00	\$40.03	\$0.6
DISTRIBUTE SERVICE ORDER TO THE SOPs	•			6.00	\$40.03	\$4.0
CHECK SOAC	3	1.000		1.00	\$40.03	\$0.6
CHECK WFA	3	1.000 1.000		3.00	\$40.03	\$2.0
CHECK IABS SERVICE ORDER	5 5	1.000		3.00 5.00	\$40.03 \$40.03	\$2.0
COMPLETE IABS SERVICE ORDER	3 1	1.000		1.00	\$40.03 \$40.03	\$3.3
COMPLETE EXACT	- 1	1.000		1.00	\$40.03	\$0.67 \$0.67
NOTE EXACT	2	1.000		2.00	\$40.03	\$0.6 \$1.3
Subtotal - SERVICE DELIVERY COORDINATOR	<del></del>			71.45		\$47.67
-DESIGNER						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREEN	5	0.200		1.00	\$44.31	\$0.7
ORDER LOG	6	0.200		1.00	\$44.31	\$0.75 \$0.89
WORK AUTHORIZATION MASK	5	0.100		0.50	\$44.31	\$0.83
PREPARE 2 DRI SCREENS	10	0.200		2.00	\$44.31	\$0.3 \$1.4
DESIGN DS0 INTEROFFICE CHAN	20	0.100		2.00	\$44.31	\$1.48 \$1.48
DISTRIBUTE WORD	2	0.050		0.10	\$44.31	\$0.07
Subtotal - DESIGNER				6,80		\$5.02

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Clair. Cour. Survey							
	Time	Prob	Prob	Prob Prob	Appiled Time	Labor	
Work from	Minutes	#1	#2	#3 #4	(Minutes)	Hour	Cost
Α	- B	С	D	E F	G —	- R	1
					B * (C Thru P)		H * (G/60)
UDIT DSO (con't)							
CENTRAL OFFICE FRAMES							
2 probability is work done in two co's.	_						
ANALYZE ORDER	5	1.000	2.000		10.00	\$43.81	\$7.30
DS0 CROSS-CONNECT	4	1.000	2.000		8.00	\$43.81	\$5.84
LINE DROP TESTING	8	1.000	2.000		16.00	\$43.81	\$11.68
COMPLETE CONFORMANCE TEST	15	1.000	2.000		30.00	\$43.81	\$21.91
POST COMPLETE IN WFA-DI	2	1.000	2.000		4.00	\$43.81	\$2.92
COMPLETE WITH CCT-I	3	1.000	2.000		6.00	\$43.81	\$4.38
Subtotal - CENTRAL OFFICE FRAMES					74.00		\$54.03
SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000			10.00	\$43.81	\$7.30
TEST CIRCUIT	15	1.000			15.00	\$43.81	\$10.95
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
	<u> </u>	· · · · · · · · · · · · · · · · · ·					
Subtotal - SERVICE DELIVERY IMPLEMENTOR					50.00		\$36.51
*DISCONNECT*							
-DISCONNEC)							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRS ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VERIFY TAXI	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ASR IN EXACT	5	1.000			5.00	\$40.03	\$3.34 \$3.34
VALIDATE IN TIRKS	3	0.030			0.09	\$40.03	\$0.06
INTRA-COMPANY CALLS	5	1.000			5.00	\$40.03	• • • • •
MECHANICAL FOC		0.900			0.90	\$40.03	\$3.34 \$0.60
MANUAL FOC		0.100				\$40.03 \$40.03	
	0				0.60	* · · ·	\$0.40
DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER	5	1.000 1.000			1.00	\$40.03	\$0.67
DISTRIBUTE SERVICE ORDER TO THE SOPs	5	1.000			5.00	\$40.03 \$40.03	\$3.34 \$0.67
	3	1.000			1.00		\$0.67
CHECK SOAC	3				3.00	\$40.03	\$2.00
CHECK WFA	-	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	1	1.000			1.00	\$40.03	\$0.67

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	Time	Prob	Prob	Prob Pro	ob Applied Time	Labor	
Work fram A	Minutes B	## C	#2 D	<b>#3 #</b> 4	G	Mour H	Cost
					B * (C Thru F)		H * (G/60)
UDIT DSO (con't)							
NOTE EXACT	2	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR					40.49		\$27.01
-DESIGNER							
.1 probability is percent manual work required, SOAC-TIRKS Interface flow-thru							
<i>is 90%.</i> ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	\$0.37
ORDER LOG GOC	6	0.100			0.60	\$44.31	\$0.37 \$0.44
WORK AUTHORIZATION MASK	5	0.100			0.50		\$0.37
DISTRIBUTE WORD	2	0.100			0.20	\$44.31	<b>\$0.15</b>
Subtotal - DESIGNER					1.80		\$1.33
-CENTRAL OFFICE FRAMES							
2 probability is work done in two co's.							
ANALYZE ORDER	5	1.000	2.000		10.00	\$43.81	\$7.30
JUMPER ACTIVITY	2.3	1.000	2.000		4.60	\$43.81	\$3.36
COMPLETE ORDER IN WFA-DI	2	1.000	2.000		4.00	\$43.81	\$2.92
Subtotal - CENTRAL OFFICE FRAMES					18.60		\$13.58
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$10.95
Total For Service:					278,14	•	\$196.11
<u></u>			······································				

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Time Minutes B Prob #4 Applied Time (Minutes) Prob Prob Prob Labor Work them #2 D **Hour** Cost B\*(CThruF) H \* (G/60)

### UDIT DSO (con't)

7832 Direct Cost			\$196.11
7833			
7834	Cost	Cost	
7835	Calculation	actor	Cost
7836	B C	D .	5
7837 Marketing & Business Fees		-	
7838 Product Management Expense	D7838*E7832	0.019957	\$3.91
7839 Sales Expense	D7839*E7832	0.011877	\$2.33
7840 Product Advertising Expense	D7840*E7832	0.000000	\$0.00
7841 Business Fees (Other Operating Taxes)	D7841*Sum(E7832:E7840)	0.001483	\$0.30
7842 Total Merketing & Business Fees	Sum(E7832:E7841)	0.00	\$6.54
7843			
7844 Sub-Total Direct Cost & Marketing	E7832+E7842		\$202,65
7845			<del>+</del>
7846 Other Direct Expenses			
7847 Network Operations	D7847*E7844	0.034832	\$7.06
7848 Network Support Assets	D7848*E7844	0.014703	\$2.98
7849 General Support Assets	D7849*E7844	0.088742	\$17.98
7850 General Purpose Computers	D7850*E7844	0.043342	\$8.78
7851 Uncollectible	D7851*E7844	0.003786	\$0.77
7852 Accounting & Finance Expense	D7852*E7844	0.007346	\$1.49
7853 Human Resources Expense	D7853*E7844	0.008294	\$1.68
7854 Information Management Expense	D7854*E7844	0.070887	\$14.37
7855 Intangibles	D7855*E7844	0.000000	\$0.00
7856 Total Other Direct Expenses	Sum(E7847:E7855)		\$55.11
7857			
7858 TELRIC	E7847+E7856		\$257.76
7859			
7860 <b>Сотто</b> п			
7861 Executive Expense	D7861*E7858	0.011267	\$2,90
7862 Planning Expense	D7862*E7858	0.000525	\$0.14
7863 External Relations Expense	D7863*E7858	0.037846	\$9.76
7864 Legal Expense	D7864*E7858	0.004717	\$1.22
7865 Other Procurement Expense	D7865*E7858	0.001860	\$0.48
7866 Research & Development Expense	D7866*E7858	0.000006	\$0.00
7867 Other General and Admin Expense	D7867*E7858	0.015064	\$3.88
7868 Common Costs	Sum(E7861:E7867)		\$18.37
7869			
7870 TELRIC + Common Costs	E7858+E7868		\$276.13

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Work Rem	Time Minutes	Prob #1	Prob Prob #2 #3	Prob #4	Applied Time (Minutes)	Labor Mour	Coe
<b>A</b>	В	С	ο = ε	F	G B * (C Thru F)	Н	H * (0
DS1/DS3/OC3/OC12/OC48							
<u>e</u>							
VICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.35 PROBABILITY OF TIME MANUALLY HANDLED RECEIVE ASR MECHANICALLY	1	0.900			0.00	040.00	
RECEIVE ASR VIA FAX	10	0.900			0.90	\$40.03 \$40.03	
VALIDATE ASR IN EXACT	10	1.000			1.00 10.00	\$40.03	
CHECK CREDIT INFO/SECURITY	2	1.000			2.00	\$40.03	
TIRKS	3	1.000			3.00	\$40.03	
TIRKS	5	1.000			5.00	\$40.03	
VALIDATE ADDRESS IN TAG	3	1.000			3.00	\$40.03	
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	
VERIFY LOA	5	0.650			3.25	\$40.03	
COORDINATE AS ICO	8	0.350			2.80	\$40.03	
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	
MECHANICAL FOC	1	0.900			0.90	\$40.03	
MANUALLY FOC	6	0.100			0.60	\$40.03	
DISTRIBUTE THE ORDER TO IABS	ī	1.000			1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	6	1.000			6.00	\$40.03	
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000			1.00	\$40.03	
CHECK SOAC	3	1.000			3.00	\$40.03	
CHECK WFA	3	1.000			3.00	\$40.03	
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	
COMPLETE EXACT	1	1.000			1.00	\$40.03	
NOTE EXACT	2	1.000			2.00	\$40.03	
al - SERVICE DELIVERY COORDINATOR					71.45		
GN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	
GOC ORDER LOG	6	0.200			1.20	\$44.31	
ENTER WA MASK	5	0.800			4.00	\$44.31	
PREP LOOP INPUT/DRI	15	0.750			11.25	\$44.31	
CIRCUIT DESIGN	30	1.000			30.00	\$44.31	
DISTRIBUTE WORD DOC	2	0.900			1.80	\$44.31	
al - DESIGN					49.25		

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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CILLO. COUNT DENOTE							
	Time	Prob	Prob	Prob Prob		Labor	
Work Heat	Minutes		#2	<i>1</i> 0 #4	(Minutes)	Мон	Cost
A	В	С	D	E F	G	Н	11 + (0(00)
					B * (C Thru F)		H * (G/60)
UDIT DS1/DS3/OC3/OC12/OC48 (con't)							
-CENTRAL OFFICE FRAMES							
2 probability is work done in two co's. ANALYZE ORDER	5	1.000	2.000		10.00	£40.04	67.00
DSX3 CROSS-CONNECT	4	1.000	2.000		10.00 8.00	\$43.81 \$43.81	\$7.30 \$5.84
PLACE LOOPBACK TEST PLUG	2	1.000	2.000		2.00	\$43.81	\$5.64 \$1.46
COMPLETE CONFORMANCE TEST	60	1.000			60.00	\$43.81	\$43.81
POST COMPLETE IN WFA-DI	2	1.000	2.000		4.00	\$43.81	\$2.92
COMPLETE WITH CCT-I	3	1.000	2.000		6.00	\$43.81	\$4.38
						Ţ	*
Subtotal - CENTRAL OFFICE FRAMES					90.00		\$65.72
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000			10.00	\$43.81	\$7.30
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR	<del></del>				35.00		\$25.56
*DISCONNECT*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VERIFY TAXI	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ASR IN EXACT	5	1.000			5.00	\$40.03	\$3.34
VALIDATE IN TIRKS	3	0.030			0.09	\$40.03	\$0.06
INTRA-COMPANY CALLS	5	1.000			5.00	\$40.03	\$3.34
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUAL FOC	6	0.100			0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	5	1.000 1.000			5.00	\$40.03	\$3.34
DISTRIBUTE SERVICE ARRED TO THE SARs		1 (1)			1.00	\$40.03	\$0.67
DISTRIBUTE SERVICE ORDER TO THE SOPS	1				7.44	640.00	00.00
CHECK SOAC	3	1.000			3.00	\$40.03	\$2.00 \$3.00
CHECK SOAC CHECK WFA	3	1.000 1.000			3.00	\$40.03	\$2.00
CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER	3 3 5 1	1.000 1.000 1.000			3.00 5.00	\$40.03 \$40.03	\$2.00 \$3.34
CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER COMPLETE IABS SERVICE ORDER	3	1.000 1.000 1.000 1.000			3.00 5.00 1.00	\$40.03 \$40.03 \$40.03	\$2.00 \$3.34 \$0.67
CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER	3	1.000 1.000 1.000			3.00 5.00	\$40.03 \$40.03	\$2.00 \$3.34

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Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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State: South Dakota	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
Work Rem A	Minutes B	rr C	#2 D	<u> </u>	(Minstee)	Hour	Cost
	J	Ů	_	- '	B * (C Thru F)	••	H * (G/60)
IDIT DS1/DS3/OC3/OC12/OC48 (con't)							
subtotal - SERVICE DELIVERY COORDINATOR				·	40.49		\$27.
DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.  ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	60
GOC ORDER LOG	6	0.100			0.50	\$44.31 \$44.31	\$0. \$0.
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0. \$0.
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$0
ubtotal - DESIGN					2.30		\$1.
ENTRAL OFFICE FRAMES							
2 probability is work done in two co's.	_						_
ANALYZE ORDER	5	1.000	2.000		10.00	\$43.81	\$7.
JUMPER ACTIVITY COMPLETE ORDER IN WFA-DI	2.3 2	1.000 1.000	2.000 2.000		4.60 4.00	\$43.81 \$43.81	\$3. \$2.
ibiotal - CENTRAL OFFICE FRAMES					18.60		\$13.
SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.
CONTACT CUSTOMER	5	1.000			5.00	\$43.81	\$3.
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.
blotal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$10.
otal For Service:				<del></del>	322.09		\$228.

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E			attor four Cost
					B*(	C Thru F)	H * (G/60)

# UDIT DS1/DS3/OC3/OC12/OC48 (con't)

8012 Direct Cont			\$228.56
8013			
8014	Cost	Cost	
8015	Calculation	Factor	Cost
8016	B C	D	E
8017 Marketing & Business Fees			unicoscono con consesso
8018 Product Management Expense	D8018*E8012	0.019957	\$4.56
8019 Sales Expense	D8019*E8012	0.011877	\$2,71
6020 Product Advertising Expense	D8020*E8012	0.000000	\$0.00
8021 Business Fees (Other Operating Taxes)	D8021*Sum(E8012:E8020)	0.001483	\$0.35
8022 Total Marketing & Business Fees	Sum(E8012:E8021)	<del></del>	\$7.63
8023			
8024 Sub-Total Direct Cost & Marketing	E8012+E8022		\$236.18
8025			
8026 Other Direct Expenses			
8027 Network Operations	D8027*E8024	0.034832	\$8.23
8028 Network Support Assets	D8028*E8024	0.014703	\$3.47
8029 General Support Assets	D8029*E8024	0.088742	\$20.96
8030 General Purpose Computers	D8030*E8024	0.043342	\$10.24
8031 Uncollectible	D8031*E8024	0.003786	\$0.89
8032 Accounting & Finance Expens∈	D8032*E8024	0.007346	\$1.73
8033 Human Resources Expense	D8033*E8024	0.008294	\$1.96
8034 Information Management Expense	D8034*E8024	0.070887	\$16.74
8035 Intangibles	D8035*E8024	0.000000	\$0.00
8036 Total Other Direct Expenses	Sum(E8027:E8035)		\$64.23
8037			
8038 TELRIC	E8027+E8036		\$300.41
8039			
8040 <i>Commo</i> n			
8041 Executive Expense	D8041°E8038	0.011267	\$3.38
8042 Planning Expens€	D8042*E8038	0.000525	\$0.16
8043 External Relations Expense	D8043*E8038	0.037846	\$11.37
8044 Legal Expense	D8044*E8038	0.004717	\$1.42
8045 Other Procurement Expense	D8045*E8038	0.001860	\$0.56
8046 Research & Development Expense	D8046*E8038	0.000006	\$0.00
8047 Other General and Admin Expense	D8047*E8038	0.015064	\$4.53
8048 Common Costs	Sum(E8041:E8047)		\$21.41
8049		<del></del>	
8050 TELRIC + Common Costs	E8038+E8048		\$321.82

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Work Rem	Time Minutes	Prob #1	Prob Prob Prol	Applied Time (Minutes)	Lebor Mour	Cost
A A	8	Ċ	<del>0 E F</del>	G	H	ſ
				B*(CThruF)		H * (G/6
DIT M1-0 MULTIPLEXING HIGH SIDE						
DD*						
ERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.35 PROBABILITY OF TIME MANUALLY HANDLED						
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	
RECEIVE ASR VIA FAX	10	0.100		1.00	\$40.03	
VALIDATE ASR IN EXACT	10	1.000		10.00	\$40.03	
CHECK CREDIT INFO/SECURITY	2	1.000		2.00	\$40.03	
TIRKS	3	1.000		3.00	\$40.03	
TIRKS	5	1.000		5.00	\$40.03	
VALIDATE ADDRESS IN TAG	3	1.000		3.00	\$40.03	
VALIDATE CONTRACT RATES	3	1.000		3.00	\$40.03	
VERIFY LOA	5	0.650		3.25	\$40.03	
COORDINATE AS ICO	8	0.350		2.80	\$40.03	
INTRA COMPANY CALLS MECHANICAL FOC	13	1.000		13.00	\$40.03	
MANUALLY FOC	1 6	0.900		0.90	\$40.03	
	۵ •	0.100		0.60	\$40.03	
DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER	6	1.000 1.000		1.00	\$40.03	
DISTRIBUTE SERVICE ORDER TO THE SOPS	0	1.000		6.00	\$40.03	
CHECK SOAC	3			1.00	\$40.03	
CHECK WFA	3	1.000 1.000		3.00	\$40.03	
CHECK IABS SERVICE ORDER	5 5	1.000		3.00 5.00	\$40.03 \$40.03	
COMPLETE IABS SERVICE ORDER	1	1.000		1.00	\$40.03	
COMPLETE IXACT	;	1.000		1.00	\$40.03	
NOTE EXACT	2	1.000		2.00	\$40.03	
ntotal - SERVICE DELIVERY COORDINATOR				71.45		
Sign  Brokekilities are 8' manual work regulard. Paringget in machanization rate						
Probabilities are % manual work required. Reciprocal is mechanization rate.  ORDER HANDLING/SCREENING	5	0.200		4.00	\$44.31	
GOC ORDER LOG	ა 6	0.200		1.00 1.20	\$44.31 \$44.31	
ENTER WA MASK	5	0.800		1.20 4.00	\$44.31 \$44.31	
PREP LOOP INPUT/DRI	5 15	0.800		4.00 11.25	\$44.31	:
CIRCUIT DESIGN	30	1.000		30.00	\$44.31 \$44.31	
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31 \$44.31	\$
ntotal - DESIGN				49.25		_ <del></del>
				70,20		

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Sizio. Godal Parota					
	Time	Prob	Prob Prob Prob Applied Time	Labor	
Work flam	Minutes	#1	#2 #9 #4 (Minutes)	Моиг	Cost
A	В	С	D E F G	Н	
			B * (C Thru F)		H * (G/60)
UDIT M1-0 MULTIPLEXING HIGH SIDE (con't,					
-CENTRAL OFFICE FRAMES	-	1.000	-		00.05
ANALYZE ORDER	5 4	1.000	5.0		\$3.65
DSX3 CROSS-CONNECT	2	1.000 1.000	4.0 2.0		\$2.92 \$1.46
PLACE LOOPBACK TEST PLUG HIGH SIDE CONFORMANCE TEST	5	1.000	2.t 5.0		\$1.46 \$3.65
POST COMPLETE IN WFA-DI	2	1.000	2.0		\$3.65 \$1.46
COMPLETE WITH CCT-I	3	1.000	3.0		\$1.46 \$2.19
COMPLETE WITH COT-I	S	1.000	3.0	0 \$43.61	Ψ2.19
Subtotal - CENTRAL OFFICE FRAMES			21.0	Γ	\$15.33
Outroday - Verriffe Strice Tipened	<del></del>				<u> </u>
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	10	1.000	10.0	0 \$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000	10.0	0 \$43.81	\$7.30
NOTIFY CUSTOMER	5	1.000	5.0	0 \$43.81	\$3,65
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.0	0 \$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR			35.0	·	\$25.56
*DISCONNECT*					
-SERVICE DELIVERY COORDINATOR					
.90 PROBABILITY OF ASR'S ARE MECHANICAL					
.10 PROBABILITY OF ASRS ARE MANUALLY HANDLED					
.03 PROBABILITY ARE MANUALLY HANDLED					
RECEIVE ASR MECHANICALLY	1	0.900	0.9	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100	1.0		\$0.67
VERIFY TAXI	5	1.000	5.0		\$3.34
VALIDATE ASR IN EXACT	5	1.000	5.0		\$3.34
VALIDATE IN TIRKS	3	0.030	0.0	9 \$40.03	\$0.06
INTRA-COMPANY CALLS	5	1.000	5.0	\$40.03	\$3.34
MECHANICAL FOC	1	0.900	0.9	\$40.03	\$0.60
MANUAL FOC	6	0.100	0.6	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	1	1.000	1.0		\$0.67
VALIDATE IABS SERVICE ORDER	5	1.000	5.0		\$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000	1.0	\$40.03	\$0.67
CHECK SOAC	3	1.000	3.0	\$40.03	\$2.00
CHECK WFA	3	1.000	3.0	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000	5.0	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000	1.0		\$0.67
COMPLETE EXACT	1	1.000	1.0		\$0.67
NOTE EXACT	2	1.000	2.0	\$40.03	\$1.33

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ale. Souiii Danota							
Work flem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time #4 (Minutes)	Labor Mour	Coaf
Å	В	С	D	Ē	F G	H	I
					B * (C Thru F)		H * (G/60
DIT M1-0 MULTIPLEXING HIGH SIDE (con't,							
biotal - SERVICE DELIVERY COORDINATOR					40.49		\$2
ESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREEN	5	0.100			0.50		\$
GOC ORDER LOG	6	0.100			0.60	\$44.31	\$
ENTER WA MASK	5	0.100			0.50	\$44.31	\$
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	9
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$
ototal - DESIGN					2.30		5
ENTRAL OFFICE FRAMES							
ANALYZE ORDER	5	1.000			5.00	\$43.81	\$
JUMPER ACTIVITY	2.3	1.000			2.30	\$43.81	\$
COMPLETE ORDER IN WFA-DI	2	1.000			2.00	\$43.81	9
ototal - CENTRAL OFFICE FRAMES					9.30		\$
ERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$
CONTACT CUSTOMER	5	1.000			5.00	\$43.81	\$
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$
otal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$1
af For Service:					243.79		\$17

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Work thin A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost
					E	3 * (C Thru F)		H * (G/60)

# UDIT M1-0 MULTIPLEXING HIGH SIDE (con't,

8192 Direct Cost			\$171.38
8193			
8194	Cost	Cost	
8195	Galculation	Factor	Cost
8196	B C	D	E
8197 Marketing & Business Fees			
8198 Product Management Expense	D8198*E8192	0.019957	\$3.42
8199 Sales Expense	D8199*E8192	0.011877	\$2.04
8200 Product Advertising Expense	D8200*E8192	0.000000	\$0.00
8201 Business Fees (Other Operating Taxes)	D8201*Sum(E8192:E8200)	0.001483	\$0.26
8202 Total Marketing & Business Fees	Sum(E8192:E8201)		\$5.72
8203			
8204 Sub-Total Direct Cost & Marketing	E8192+E8202		\$177.10
8205			
8206 Other Direct Expenses			
8207 Network Operations	D8207*E8204	0.034832	\$6.17
8208 Network Support Assets	D8208*E8204	0.014703	\$2.60
8209 General Support Assets	D8209*E8204	0.088742	\$15.72
8210 General Purpose Computers	D8210*E8204	0.043342	\$7.68
8211 Uncollectible	D8211*E8204	0.003786	\$0.67
8212 Accounting & Finance Expense	D8212*E8204	0.007346	\$1.30
8213 Human Resources Expense	D8213*E8204	0.008294	\$1.47
8214 Information Management Expense	D8214*E8204	0.070887	\$12.55
8215 Intangibles	D8215*E8204	0.000000	\$0.00
8216 Total Other Direct Expenses	Sum(E8207:E8215)		\$48.16
8217			
8218 TELRIC	E8207+E8216		\$225.26
8219			
8220 Common			
8221 Executive Expense	D8221*E8218	0.011267	\$2.54
8222 Planning Expense	D8222*E8218	0.000525	\$0.12
8223 External Relations Expense	D8223°E8218	0.037846	\$8.53
8224 Legal Expense	D8224*E8218	0.004717	\$1.06
8225 Other Procurement Expense	D8225*E8218	0.001860	\$0.42
8226 Research & Development Expense	D8226*E8218	0.000006	\$0.00
8227 Other General and Admin Expense	D8227*E8218	0.015064	\$3.39
8228 Common Costs	Sum(E8221:E8227)		\$16.06
8229			
8230 TELRIC + Common Costs	E8218+E8228		\$241.32

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	Time	Prob	Prob	Prob Prob	Applied Time	Labor	_
Work flom	Minutes	#I	#2	<i>1</i> 3 <i>1</i> 4	(Minsdes)	Hour	Cost
A	В	С	D	E F	G E	H.	11 # (0 (00)
					B * (C Thru F)		H * (G/60)
UDIT M1-3 MULTIPLEXING							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRS ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.35 PROBABILITY OF TIME MANUALLY HANDLED							
29 probability represents the number of orders processed for an m1-3 mux,							
2 = 1 order for the high side and 1 order for the low side of the mux.							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000	29.000		290.00	\$40.03	\$193.48
CHECK CREDIT INFO/SECURITY	2	1.000			2.00	\$40.03	\$1.33
TIRKS	3	1.000			3.00	\$40.03	\$2.00
TIRKS	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ADDRESS IN TAG	3	1.000			3.00	\$40.03	\$2.00
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	\$2.00
VERIFY LOA	5	0.650			3.25	\$40.03	\$2.17
COORDINATE AS ICO	8	0.350			2.80	\$40.03	\$1.87
INTRA COMPANY CALLS	13	1.000	2.000		26.00	\$40.03	\$17.35
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUALLY FOC	6	0.100	2.000		1.20	\$40.03	\$0.80
DISTRIBUTE THE ORDER TO IABS	Ĭ	1.000	29.000		29.00	\$40.03	\$19.35
VALIDATE IABS SERVICE ORDER	6	1.000	29.000		174.00	\$40.03	\$116.09
DISTRIBUTE SERVICE ORDER TO THE SOPS	ĺ	1.000	29.000		29.00	\$40.03	\$19.35
CHECK SOAC	3	1.000	29.000		87.00	\$40.03	\$58.04
CHECK WFA	3	1.000	29.000		87.00	\$40.03	\$58.04
CHECK IABS SERVICE ORDER	5	1.000	29.000		145.00	\$40.03	\$96.74
COMPLETE IABS SERVICE ORDER	<u> </u>	1.000	29.000		29.00	\$40.03	\$19.35
COMPLETE EXACT	1	1.000	29.000		29.00	\$40.03	\$19.35
NOTE EXACT	2	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR			<u> </u>		953.05	<del></del>	\$635.84
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
29 probability represents the number of orders processed for an m1-3 mux,							
1 order for the high side and 28 orders for the low side of the mux.							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0.74
GOC ORDER LOG	6	0.200			1.20	\$44.31	\$0.89
ENTER WA MASK	5	0.800			4.00	\$44.31	\$2.95

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Work Nem	Time Minutes	Prob	Prob	Prob Prob Applied Time  #3 #4 Minutesi	Labor	_
WORK HERE	Antinutes P	Ċ	- #2 D	E F G	/Hour	Cost
•	_	•	J	B* (C Thru F)	• • • • • • • • • • • • • • • • • • • •	H * (G/60)
				•		, ,
UDIT M1-3 MULTIPLEXING (con't;						
PREP LOOP INPUT/DRI	15	0.750		11.25	\$44.31	\$8.31
CIRCUIT DESIGN	30	1.000		30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31	\$1.33
ORDER HANDLING/SCREENING	2	0.200	28.000	11.20	\$44.31	\$8.27
GOC ORDER LOG	2	0.200	28.000	11.20	\$44.31	\$8.27
ENTER WA MASK	2	0.800	28.000	44.80	\$44.31	\$33.08
PREP LOOP/DRI INPUT	2	0.750	28.000	42.00	\$44.31	\$31,02
CIRCUIT DESIGN	5	1.000	28.000	140.00	\$44.31	\$103.39
DISTRIBUTE WORD	2	0.900	28.000	50.40	\$44.31	\$37.22
DISTRIBUTE WORD	2	0.900	20.000	50.40	φ <del>44</del> .31	Ψ31.22
Subtotal - DESIGN				348.85		\$257.63
CENTRAL OFFICE FRANCE						
-CENTRAL OFFICE FRAMES						
29 probability represents the number of orders processed for an m1-3 mux,						
1 order for the high side and 28 orders for the low side of the mux.	-	1.000		5.00	\$43.81	<b>#0.05</b>
ANALYZE ORDER DSX3 CROSS-CONNECT	5 4	1.000		5.00	\$43.81 \$43.81	\$3.65 \$2.92
	•			4.00		
PLACE LOOPBACK TEST PLUG	2	1.000		2.00	\$43.81	\$1.46
HIGH SIDE CONFORMANCE TEST	5	1.000		5.00	\$43.81	\$3.65
POST COMPLETE IN WFA-DI	2	1.000		2.00	\$43.81	\$1.46
COMPLETE WITH CCT-1	3	1.000		3.00	\$43.81	\$2.19
ANALYZE ORDER	2	28.000		56.00	\$43.81	\$40.89
DSX3 CROSS-CONNECT	4	28.000		112.00	\$43.81	\$81.78
PLACE LOOPBACK TEST PLUG	2	28.000		56.00	\$43.81	\$40.89
LOW SIDE CONFORMANCE TEST	15	1.000		15.00	\$43.81	\$10.95
POST COMPLETE IN WFA-DI	2	28.000		56.00	\$43.81	\$40.89
COMPLETE WITH CCT-1	2	28.000		56.00	\$43.81	\$40.89
Subtotal - CENTRAL OFFICE FRAMES				372.00		\$271.62
Subtotal - GENTRAL OFFICE FRANCS	<del></del>			372.00		\$271.02
-SERVICE DELIVERY IMPLEMENTOR						
29 probability represents the number of orders processed for an m1-3 mux,						
1 order for the high side and 28 orders for the low side of the mux.						
SCREEN WFA FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000		10.00	\$43.81	\$7.30
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$7.30
SCREEN WFA FOR CIRCUIT	2	28.000		56.00	\$43.81	\$40.89
VERIFY LNO COMPLETION	10	1.000		10.00	\$43.81	\$7.30
NOTIFY CUSTOMER	1	28.000		28.00	\$43.81	\$20.44
COMPLETE CIRCUIT IN WFA/C	2	28.000		56.00	\$43.81	\$40.89
Subtotal - SERVICE DELIVERY IMPLEMENTOR		· <del></del> -		185.00		\$135.08

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State. Godin Parota							
	Time	Prob	Prob	Prob Prol	Applied Time	Labor	
Work Stem	Minutes	Ħ	#2	<i>10</i> M		Mour	Cost
A	В	С	D	E F	Ğ	H	
					B * (C Thru F)		H * (G/60)
UDIT M1-3 MULTIPLEXING (con't,							
*DISCONNECT*							
DISCONNECT							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRIS ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
29 probability represents the number of orders processed for an m1-3 mux,							
2 = 1 order for the high side and 1 order for the low side of the mux.							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VERIFY TAXI	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ASR IN EXACT	5	1.000	29.000		145.00	\$40.03	\$96.74
VALIDATE IN TIRKS	3	0.030			0.09	\$40.03	\$0.06
INTRA-COMPANY CALLS	5	1.000	29.000		145.00	\$40.03	\$96.74
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUAL FOC	6	0.100	2.000		1.20	\$40.03	\$0.80
DISTRIBUTE THE ORDER TO IABS	1	1.000	29.000		29.00	\$40.03	\$19.35
VALIDATE IABS SÉRVICE ORDER	5	1.000	29.000		145.00	\$40.03	\$96.74
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000	29.000		29.00	\$40.03	\$19.35
CHECK SOAC	3	1.000	29.000		87.00	\$40.03	\$58.04
CHECK WFA	3	1.000	29.000		87.00	\$40.03	\$58.04
CHECK IABS SERVICE ORDER	5	1.000	29.000		145.00	\$40.03	\$96.74
COMPLETE IABS SERVICE ORDER	1	1.000	29.000		29.00	\$40.03	\$19.35
COMPLETE EXACT	1	1.000	29.000		29.00	\$40.03	\$19.35
NOTE EXACT	2	1.000	1.000		2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR					881.09		\$587.83
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
29 probability represents the number of orders processed for an m1-3 mux,							
1 order for the high side and 28 orders for the low side of the mux.							
ORDER HANDLING/SCREEN	5	0.100	1.000		0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100	1.000		0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100	1.000		0.50	\$44.31	\$0.37
DISCONNECT CIRCUIT	5	0.100	1.000		0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100	1.000		0.20	\$44.31	\$0.15
ORDER HANDLING/SCREEN	2	0.100	28.000		5.60	\$44.31	\$4.14
GOC ORDER LOG	2 2	0.100 0.100	28.000 28.000		5.60 5.60	\$44.31 \$44.31	\$4.14 \$4.14
ENTER WA MASK DISCONNECT CIRCUIT	2	0.100	28.000		5.60 5.60	\$44.31 \$44.31	\$4.14 \$4.14
DISCONNECT CIRCUIT DISTRIBUTE WORD DOC	2	0.100	28.000		5.60	\$44.31	\$4.14 \$4.14
DISTRIBUTE WORD DOC	2	0.100	20.000		5.00	ا ب.بېس	φ4. [4

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Prob Time Prob Prob Applied Time Labor Prob Minutes /Hour Work Rom (Minutes) Cost G B\*(C Thru F) H \* (G/60) UDIT M1-3 MULTIPLEXING (con't, 30.30 \$22.38 Subtotal - DESIGN -CENTRAL OFFICE FRAMES 29 probability represents the number of orders processed for an m1-3 mux. 1 order for the high side and 28 orders for the low side of the mux. ANALYZE ORDER 5 1.000 5.00 \$43.81 \$3.65 JUMPER ACTIVITY 2.3 1.000 \$43.81 \$1.68 2.30 COMPLETE ORDER IN WFA-DI 2 1.000 2.00 \$43.81 \$1.46 2 ANALYZE ORDER 28.000 56,00 \$43.81 \$40.89 JUMPER ACTIVITY 2.3 28.000 64.40 \$43.81 \$47.02 COMPLETE ORDER IN WFA-DI 28.000 56.00 \$43.81 \$40.89 185.70 \$135.59 Subtotal - CENTRAL OFFICE FRAMES -SERVICE DELIVERY IMPLEMENTOR 29 probability represents the number of orders processed for an m1-3 mux, 1 order for the high side and 28 orders for the low side of the mux. SCREEN WFA FOR CIRCUIT 5 1.000 \$43.81 5.00 \$3.65 CONTACT CUSTOMER 5 1.000 5.00 \$43.81 \$3.65 COMPLETE CIRCUIT IN WFA/C 5 1.000 5.00 \$43.81 \$3.65 SCREEN WFA FOR CIRCUIT 2 28.000 56.00 \$43.81 \$40.89 COMPLETE CIRCUIT IN WFA/C 28.000 56.00 \$43.81 \$40.89 Subtotal - SERVICE DELIVERY IMPLEMENTOR 127.00 \$92.73 Total For Service: 3,082,99 \$2,138.71

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Work them	Time Minutes	Prob #1	Prob #2		rob Applied Time #4 (Minutes)	Labor Nous Cost
A	В	C	D	E	F G	H
					B * (C Thru F)	H * (G/60)

### UDIT M1-3 MULTIPLEXING (con't)

8417 Direct Cost			101001111111111111111111111111111111111
8417 Direct Cost 8418		92	(1507)
8419	Cost	Cost	
8420			ost
8421	В С	******************************	Ē
8422 Marketing & Business Fees			
8423 Product Management Expense	D8423*E8417	0.019957	\$42.68
8424 Sales Expense	D8424*E8417	0.011877	\$25.40
8425 Product Advertising Expense	D8425*E8417	0.000000	\$0.00
8426 Business Fees (Other Operating Taxes)	D8426*Sum(E8417:E8425)	0.001483	\$3.27
8427 Total Marketing & Business Fees	Sum(E8417; E8426)	0.001.100	\$71.36
8428			<u> </u>
8429 Sub-Total Direct Cost & Marketing	E8417+E8427	\$2	210.06
8430			,
8431 Other Direct Expenses			
8432 Network Operations	D8432*E8429	0.034832	\$76.98
8433 Network Support Assets	D8433*E8429	0.014703	\$32.50
8434 General Support Assets	D8434*E8429	0.088742 \$	196.13
8435 General Purpose Computers	D8435*E8429	0.043342	\$95.79
8436 Uncollectible	D8436*E8429	0.003786	\$8.37
8437 Accounting & Finance Expense	D8437*E8429	0.007346	\$16.23
8438 Human Resources Expense	D8438*E8429	0.008294	\$18.33
8439 Information Management Expense	D8439*E8429	0.070887 \$	156.66
8440 Intangibles	D8440*E8429	0.000000	\$0.00
8441 Total Other Direct Expenses	Sum(E8432:E8440)	\$	600.99
8442			
8443 TELRIC	E8432+E8441	\$2,	811.05
8444			
8445 Common			
8446 Executive Expense	=		\$31.67
8447 Planning Expense		0.000525	\$1.48
8448 External Relations Expense	<del>_</del>		106.39
8449 Legal Expense			\$13.26
8450 Other Procurement Expense		0.001860	\$5.23
8451 Research & Development Expens∈		0.000006	\$0.02
8452 Other General and Admin Expense			\$42.35
8453 Common Costs	Sum(E8446:E8452)	\$	200.39
8454	FOLIAN FOLIA		642.42
8455 TELRIC + Common Costs	E8443+E8453	\$3,	011.44

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	Time	Prob	Prab Prab Prob	Applied Time	Labor	
Work Ben A	Minutes B	C		(Minutes) G	<b>Hour</b> H	Cos
				B * (C Thru F)		H * (G
M1-0 MULTIPLEXING LOW SIDE						
2.						
VICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.35 PROBABILITY OF TIME MANUALLY HANDLED		0.000		0.00	<b>#</b> 40.00	
RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX	1 10	0.900 0.100		0.90	\$40.03	
VALIDATE ASR IN EXACT	10	1.000		1.00 10.00	\$40.03 \$40.03	
CHECK CREDIT INFO/SECURITY	2	1.000		2.00	\$40.03	
TIRKS	3	1.000		3.00	\$40.03	
TIRKS	5	1.000		5.00	\$40.03	
VALIDATE ADDRESS IN TAG	3	1.000		3.00	\$40.03	
VALIDATE CONTRACT RATES	š	1.000		3.00	\$40.03	
VERIFY LOA	5	0.650		3.25	\$40.03	
COORDINATE AS ICO	8	0.350		2.80	\$40.03	
INTRA COMPANY CALLS	13	1,000		13.00	\$40.03	
MECHANICAL FOC	1	0.900		0.90	\$40.03	
MANUALLY FOC	6	0.100		0.60	\$40.03	
DISTRIBUTE THE ORDER TO IABS	1	1.000		1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	6	1.000		6.00	\$40.03	
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000		1.00	\$40.03	
CHECK SOAC	3	1.000		3.00	\$40.03	
CHECK WFA	3	1.000		3.00	\$40.03	
CHECK IABS SERVICE ORDER	5	1.000		5.00	\$40.03	
COMPLETE IABS SERVICE ORDER	1	1.000		1.00	\$40.03	
COMPLETE EXACT	1	1.000		1.00	\$40.03	
NOTE EXACT	_ 2 	1.000		2.00	\$40.03	
tal - SERVICE DELIVERY COORDINATOR				71.45		
IGN Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	0.200		1.00	\$44.31	
GOC ORDER LOG	6	0.200		1.20	\$44.31	
ENTER WA MASK	5	0.100		0.50	\$44.31	
PREP LOOP INPUT	10	0.200		2.00	\$44.31	
CIRCUIT DESIGN	20	0.100		2.00	\$44.31	
DISTRIBUTE WORD	2	0.050		0.10	\$44.31	
·						
tal - DESIGN				6.80		

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Sizie. Souii Daroia					
	Time	Prob	Prob Prob Prob Applied Time	Labor	
Work flam	Minutes	#1	#2 #3 #4 (Minutes)	Hour	Cost
A	В	С	D E F G	Ħ	
			B * (C Thru F)		H * (G/60)
UDIT M1-0 MULTIPLEXING LOW SIDE (con't,					
-CENTRAL OFFICE FRAMES	_	4.000			
ANALYZE ORDER	5	1.000	5.00		\$3.65
CROSS-CONNECT	4	1.000	4.00	\$43.81	\$2.92
PLACE LOOPBACK TEST PLUG	2	1.000	2.00	\$43.81	\$1.46
LOW SIDE CONFORMANCE TEST	15	1.000	15.00	7	\$10.95
POST COMPLETE IN WFA-DI	2	1.000	2.00	\$43.81	\$1.46
COMPLETE WITH CCT-I	3	1.000	3.00	\$43.81	\$2.19
Subtotal - CENTRAL OFFICE FRAMES			31.00		\$22.64
Suprotes - Central Office Prames			31.00		\$22.04
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	10	1.000	10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION	10	1.000	10.00	\$43.81	\$7.30
NOTIFY CUSTOMER	5	1.000	5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000	10.00	\$43.81	\$7.30
COM ELIZONICON IN WING				<b>4</b> 10.0.	Ų
Subtotal - SERVICE DELIVERY IMPLEMENTOR			35.00		\$25.56
			35.00		\$25.56
Subtotal - SERVICE DELIVERY IMPLEMENTOR  *DISCONNECT*			35.00		\$25.56
*DISCONNECT*			35.00		\$25.56
*DISCONNECT* -SERVICE DELIVERY COORDINATOR			35.00		\$25.56
*DISCONNECT* -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL			35.00		\$25.56
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED			35.00		\$25.56
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL  .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED  .03 PROBABILITY ARE MANUALLY HANDLED		0.000		640.00	
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY	1 10	0.900	0.90	\$40.03 \$40.03	\$0.60
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL  .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED  .03 PROBABILITY ARE MANUALLY HANDLED  RECEIVE ASR MECHANICALLY  RECEIVE ASR VIA FAX	10	0.100	0.90 1.00	\$40.03	\$0.60 \$0.67
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI	10 5	0.100 1.000	0.90 1.00 5.00	\$40.03 \$40.03	\$0.60 \$0.67 \$3.34
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT	10 5 5	0.100 1.000 1.000	0.90 1.00 5.00 5.00	\$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL  .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED  .03 PROBABILITY ARE MANUALLY HANDLED  RECEIVE ASR MECHANICALLY  RECEIVE ASR VIA FAX  VERIFY TAXI  VALIDATE ASR IN EXACT  VALIDATE IN TIRKS	10 5	0.100 1.000 1.000 0.030	0.90 1.00 5.00 5.00 0.09	\$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS	10 5 5	0.100 1.000 1.000 0.030 1.000	0.90 1.00 5.00 5.00 0.09 5.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC	10 5 5	0.100 1.000 1.000 0.030 1.000 0.900	0.90 1.00 5.00 5.00 0.09 5.00 0.90	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34 \$0.60
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC	10 5 5	0.100 1.000 1.000 0.030 1.000 0.900 0.100	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS	10 5 5	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40 \$0.67
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER	10 5 5	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60 1.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40 \$0.67 \$3.34
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS	10 5 5 5 5 1 6 1 5 1	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60 1.00 5.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.60 \$3.34 \$0.60 \$0.40 \$0.67
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC	10 5 5 3 5 1 6 1 5 7 3	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60 1.00 5.00 1.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40 \$0.67 \$3.34 \$0.67 \$3.367
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC CHECK WFA	10 5 5 5 5 1 6 1 5 1	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60 1.00 5.00 1.00 3.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40 \$0.67 \$3.34 \$0.67 \$2.00 \$2.00
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR WECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER	10 5 5 3 5 1 6 1 5 7 3	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.60 1.00 5.00 1.00 3.00 3.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$0.06 \$3.34 \$0.67 \$3.34 \$0.67 \$2.00 \$2.00 \$3.34
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR  .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER COMPLETE IABS SERVICE ORDER	10 5 5 3 5 1 6 1 5 7 3	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000 1.000 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.90 0.60 1.00 5.00 1.00 3.00 3.00 5.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$0.06 \$3.34 \$0.60 \$0.40 \$0.67 \$3.34 \$0.67 \$2.00 \$2.00 \$3.34 \$0.67
*DISCONNECT*  -SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL .10 PROBABILITY OF ASRs ARE MANUALLY HANDLED .03 PROBABILITY ARE MANUALLY HANDLED RECEIVE ASR WECHANICALLY RECEIVE ASR VIA FAX VERIFY TAXI VALIDATE ASR IN EXACT VALIDATE IN TIRKS INTRA-COMPANY CALLS MECHANICAL FOC MANUAL FOC DISTRIBUTE THE ORDER TO IABS VALIDATE IABS SERVICE ORDER DISTRIBUTE SERVICE ORDER TO THE SOPS CHECK SOAC CHECK WFA CHECK IABS SERVICE ORDER	10 5 5 3 5 1 6 1 5 7 3	0.100 1.000 1.000 0.030 1.000 0.900 0.100 1.000 1.000 1.000 1.000	0.90 1.00 5.00 5.00 0.09 5.00 0.60 1.00 5.00 1.00 3.00 3.00	\$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03 \$40.03	\$0.60 \$0.67 \$3.34 \$0.06 \$3.34 \$0.67 \$3.34 \$0.67 \$2.00 \$2.00 \$3.34

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work fleat	Time Minutes	Prob #1	Prot Pro #2 #3		Labor /Hour	Cost
A	В	- c	D E	F G B*(CThruF)	н-	H * (G/60)
UDIT M1-0 MULTIPLEXING LOW SIDE (con't,						
Subtotal - SERVICE DELIVERY COORDINATOR				40.49		\$27.01
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREEN	5	0.100		0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100		0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100		0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100		0.20	\$44.31	\$0.15
Subtotal - DESIGN				1.80		\$1.33
-CENTRAL OFFICE FRAMES						
ANALYZE ORDER	5	1.000		5.00	\$43.81	\$3.65
CROSS-CONNECT	2.3	1.000		2.30	\$43.81	\$1.68
COMPLETE ORDER IN WFA-DI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	5	1.000		5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000		5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.95
Total For Service:			<del></del>	210.84		\$146.97

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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Work Asia A	Time Affinities B	Preb #1 C	Prob #2 D	rob Applied Time 64 (Minutes) F G	Labor HOUR Cost
				B * (C Thru F)	H * (G/60)

# UDIT M1-0 MULTIPLEXING LOW SIDE (con't)

8597 Direct Cost			\$146,97
8598			
8599	Coet	Cost	
8600	Calculation	Fector	Cost
8601	B C	Ð	E
8602 Marketing & Business Fees		-	
8603 Product Management Expense	D8603*E8597	0.019957	\$2.93
8604 Sales Expense	D8604*E8597	0.011877	\$1.75
8605 Product Advertising Expense	D8605*E8597	0.000000	\$0.00
8606 Business Fees (Other Operating Taxes)	D8606*Sum(E8597:E8605)	0.001483	\$0.22
8607 Total Marketing & Business Fees	Sum(E8597;E8606)		\$4.90
8608			
8609 Sub-Total Direct Cost & Marketing	E8597+E8607		\$151.87
8610			
8611 Other Direct Expenses			
8612 Network Operations	D8612*E8609	0.034832	\$5.29
8613 Network Support Assets	D8613*E8609	0.014703	\$2.23
8614 General Support Assets	D8614*E8609	0.088742	\$13.48
8615 General Purpose Computers	D8615*E8609	0.043342	\$6.58
8616 Uncollectible	D8616*E8609	0.003786	\$0.57
8617 Accounting & Finance Expense	D8617*E8609	0.007346	\$1.12
8618 Human Resources Expense	D8618*E8609	0.008294	\$1.26
8619 Information Management Expense	D8619*E8609	0.070887	\$10.77
8620 Intangibles	D8620*E8609	0.000000	\$0.00
8621 Total Other Direct Expenses	Sum(E8612:E8620)		\$41.30
8622			
8623 TELRIC	E8612+E8621		\$193.17
8624			
8625 Common			
8626 Executive Expense	D8626*E8623	0.011267	\$2.18
8627 Planning Expense	D8627*E8623	0.000525	\$0.10
8628 External Relations Expens∈	D8628*E8623	0.037846	\$7.31
8629 Legal Expense	D8629*E8623	0.004717	\$0.91
8630 Other Procurement Expense	D8630*E8623	0.001860	\$0.36
8631 Research & Development Expense	D8631*E8623	0.000006	\$0.00
8632 Other General and Admin Expense	D8632*E8623	0.015064	\$2.91
8633 Common Costs	Sum(E8626:E8632)		\$13.77
8634			
8635 TELRIC + Common Costs	E6623+E8633		\$206.94

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work han	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor Mour	Cost
A	8	С	D E F	G B * (C Thru F)	н	T H * (G/60)
DIT DS1/DS3/OC3/OC12/OC48						
<u>DD*</u>						
ERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.35 PROBABILITY OF TIME MANUALLY HANDLED						
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	\$0
RECEIVE ASR VIA FAX	10	0.100		1.00	\$40.03	\$0
VALIDATE ASR IN EXACT	10	1.000		10.00	\$40.03	\$6
CHECK CREDIT INFO/SECURITY	2	1.000		2.00	\$40.03	\$1
TIRKS	3	1.000		3.00	\$40.03	\$2.
TIRKS	5	1.000		5.00	\$40.03	\$3.
VALIDATE ADDRESS IN TAG	3	1.000		3.00	\$40.03	\$2
VALIDATE CONTRACT RATES	3	1.000		3.00	\$40.03	\$2
VERIFY LOA	5	0.650		3.25	\$40.03	\$2
COORDINATE AS ICO	8	0.350		2.80	\$40.03	\$1
INTRA COMPANY CALLS	13	1,000		13.00	\$40.03	\$8
MECHANICAL FOC	1	0.900		0.90	\$40.03	\$0
MANUALLY FOC	6	0.100		0.60	\$40.03	\$0
DISTRIBUTE THE ORDER TO IABS	1	1.000		1.00	\$40.03	\$0
VALIDATE IABS SERVICE ORDER	6	1.000		6.00	\$40.03	\$4
DISTRIBUTE SERVICE ORDER TO THE SOPs	i	1.000		1.00	\$40.03	\$0
CHECK SOAC	á	1.000		3.00	\$40.03	\$2
CHECK WFA	3	1.000		3.00	\$40.03	\$2
CHECK IABS SERVICE ORDER	5	1.000		5.00	\$40.03	\$3
COMPLETE IABS SERVICE ORDER	ĭ	1.000		1.00	\$40.03	\$0
COMPLETE EXACT	i	1.000		1.00	\$40.03	\$0 \$0
NOTE EXACT	2	1.000		2.00	\$40.03	\$1.
otal - SERVICE DELIVERY COORDINATOR				71.45		\$47.
<u>SIGN</u>						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	0.200		1.00	\$44.31	\$0
GOC ORDER LOG	6	0.200		1.20	\$44.31	\$0
ENTER WA MASK	.5	0.800		4.00	\$44.31	\$2
PREP LOOP INPUT/DRI	15	0.750		11.25	\$44.31	\$8
CIRCUIT DESIGN	30	1.000		30.00	\$44.31	\$22.
DISTRIBUTE WORD DOC	2	0.900		1.80	\$44.31	\$1.
ntotal - DESIGN			<del></del>	49.25		\$36.

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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	Time	Prob	Prob Prob Prob	Applied Time	Labor	
Work Rem	Minutes	#1	<u> </u>	(Minutes)	Hour	Cost
A	В	C	D E F	G E	Н	(0.00)
				B * (C Thru F)		H * (G/60)
EUDIT DS1/DS3/OC3/OC12/OC48 (con't)						
2027. 20.7.2007.007.007.007.0						
-CENTRAL OFFICE FRAMES						
ANALYZE ORDER	5	1.000		5,00	\$43.81	\$3.65
COMPLETE CROSS-CONNECT	.4	1.000		4.00	\$43.81	\$2.92
CONTINUITY/STRESS TESTS	10	1.000		10.00	\$43.81	\$7.30
POST COMPLETE IN WFADI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES				21.00		\$15.33)
-LRAC	_					
SCREEN ORDER	2	1.000		2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1.000		5.00	\$37.78	\$3.15
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	\$1.89
COMPLETE WORK IN WFADO	3	1.000		3.00	\$37.78	\$1.89
Subtotal - LRAC			<del></del>	13.00		\$8.19
<u>-INSTALLATION/FIELD TECHNICIAN</u>						
TRAVEL TIME	21	1.000		21.00	\$42.68	\$14.94
0.2 probability is percent of time access/sac point work required.						
AP/SAC POINT WORK	13	0.200		2.60	\$42.68	\$1.85
CONTACT CCTI TO WORK ORDER	3	1.000		3.00	\$42.68	\$2.13
COORDINATION TIME WITH IMPL, CLEC TO TEST	20	1.000		20.00	\$42.68	\$14.23
COMPLETE CONTINUITY TESTING	15	1.000		15.00	\$42.68	\$10.67
REPORT TEST RESULTS TO CCTI	2	1.000		2.00	\$42.68	\$1.42
COMPLETE WITH LRAC	3	1.000		3.00	\$42.68	\$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN				66,60		\$47.37
-SERVICE DELIVERY IMPLEMENTOR		4 000		40.55	0.40.0.	A.A.=
SCREEN WFA FOR CIRCUIT	15	1.000		15.00	\$43.81	\$10.95
VERIFY LNO FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.30
COORDINATION TIME WITH FIELD, CLEC TO TEST	20	1.000		20.00	\$43.81	\$14.60
CONTINUITY/STRESS TESTS	35	1.000		35.00	\$43.81	\$25.56
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR	<del></del>		<del></del>	95.00		\$69.37
			<del></del>			7.5.4.

\*DISCONNECT\*

-SERVICE DELIVERY COORDINATOR .90 PROBABILITY OF ASRs ARE MECHANICAL

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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	Time	Prob	Prob	Prati Proti	Applied Time	Labor	
Work them	Minutes	#1	#2	<i>A</i> 3 <i>A</i> 4	(Minutes)	Mour	Cast
A	В	С	D	E F	G	H	1
					B*(C Thru F)		H * (G/60)
EUDIT DS1/DS3/OC3/OC12/OC48 (con't)							
.10 PROBABILITY OF ASRs ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.60 \$0.67
VERIFY TAXI	5	1.000			5.00	\$40.03	\$3.34
VALIDATE ASR IN EXACT	5	1.000			5.00	\$40.03	\$3.34
VALIDATE IN TIRKS	3	0.030			0.09	\$40.03	\$0.06
INTRA-COMPANY CALLS	5	1.000			5.00	\$40.03	\$3.34
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUAL FOC	6	0.100			0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	ĭ	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000			1.00	\$40.03	\$0.67
CHECK SOAC	ġ	1.000			3.00	\$40.03	\$2.00
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	ĭ	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	i	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	ż	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR				<del></del>	40.49		\$27.01
SUBTORN - SERVICE DELIVERY COORDINATOR				<del></del>	40.49		\$27.01
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREEN	5	0.100			0.50	\$44.31	\$0.37
GOC ORDER LOG	6	0.100			0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0.37
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.37
DISTRIBUTE WORD DOC	2	0.100			0.20	\$44.31	\$0.15
Subtotal - DESIGN				<del></del> _	2.30		\$1.70
-CENTRAL OFFICE FRAMES							
Jumper count assumes common spot frame. Jumper removed at MDF.							
ANALYZE ORDER	5	1.000			5.00	\$43.81	\$3.65
REMOVE JUMPER	2.3	1.000			2.30	\$43.81	\$1.68
COMPETE WORK IN WFADI	2	1.000			2.00	\$43.81	\$1.46
ALLIAN ARISMAL OFFICE TO MAKE				- <del></del>	9.30		88.76
Subtotal - CENTRAL OFFICE FRAMES		<del></del>	<del></del>		9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.65
CONTACT CUSTOMER	_						
CONTACT COSTONER	5	1.000			5.00	\$43.81	\$3.65

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Work Bern	Time Minutes	Prob #1	Prob Prob	Prob #4	Applied Time (Minutes)	Labor	Coat
A	В	c	D E	F	G B * (C Thru F)	H	l H * (G/60)
EUDIT DS1/DS3/OC3/OC12/OC48 (con't)							
COMPLETE CIRCUIT IN WFA/C	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR					15.00		\$10.95
Total For Service:					383.39		\$270.76

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work from A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Applied Time \$4 (Minutes) F G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

# EUDIT DS1/DS3/QC3/QC12/QC48 (con't)

8822 Direct Cost			\$270.78
8823			
8824	Cost	Cost	
8825	Calculation	Factor	Cost
8826	В С	D	
8827 Marketing & Business Fees			
8828 Product Management Expense	D8826*E8822	0.019957	\$5.40
8829 Sales Expense	D8829*E8822	0.019937	\$3.22
8830 Product Advertising Expense	D8830*E8822	0.000000	\$0.00
8831 Business Fees (Other Operating Taxes)	D8831*Sum(E8822:E8830)	0.001483	\$0.41
8832 Total Marketing & Business Fees	Sum(E8822:E8831)	0.001463	\$9.03
8833	3um(E0022.E0031)		\$8.03
8834 Sub-Total Direct Cost & Marketing	E8822+E8832		\$279.79
8635	E00#2#E0032		\$219.19
8836 Other Direct Expenses			
8837 Network Operations	D8837*E8834	0.034832	\$9.75
8838 Network Support Assets	D8838*E8834	0.014703	\$4.11
8839 General Support Assets	D8839*E8834	0.088742	\$24.83
8840 General Purpose Computers	D8840*E8834	0.043342	\$12.13
8841 Uncollectible	D8841*E8834	0.003786	\$1.06
8842 Accounting & Finance Expense	D8842*E8834	0.003766	\$2.06
8843 Human Resources Expense	D8843*E8834	0.007346	
8844 Information Management Expense	D8844*E8834	0.008294	\$2.32 \$19.83
8845 Intangibles 8846 Total Other Direct Expenses	D8845*E8834	0.000000	\$0.00
8847	Sum(E8837:E8845)	<del></del>	\$76.08
8848 TELRIC	E8837+E8846		\$355.87
8849			***
8850 Common			
8851 Executive Expense	D8851*E8848	0.011267	\$4.01
8852 Planning Expense	D8852*E8848	0.000525	\$0.19
8853 External Relations Expense	D8853*E8848	0.037846	\$13,47
8854 Legal Expense	D8854*E8848	0.004717	\$1.68
8855 Other Progurement Expense	D8855*E8848	0.001860	\$0.66
8856 Research & Development Expense	D8856*E8848	0.000006	\$0.00
8857 Other General and Admin Expense	D8857*E8848	0.015064	\$5.36
8858 Common Costs	Sum(E8851:E8857)		\$25.37
8859			
8860 TELRIC + Common Costs	E8848+E8858		\$381.24

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work harn	Time Minutes	Prob #1	Prob Prob Prob #2 #5 #4	Applied Time (Minutes)	Labor /Hour	Cost
A	В	С	D E F	G B * (C Thru F)	Н	H * (G/60)
DIT DS0 REARRANGEMENT SINGLE OFFICE (con't)						
btotal - DESIGN				7.30		<b>\$</b> 5.
ENTRAL OFFICE FRAMES						
work done in one central office						
ANALYZE ORDER	5	1.000		5.00	\$43.81	\$3
CONTACT CCTI TO WORK ORDER	3	1.000		3.00	\$43.81	\$2
REMOVE CROSS-CONNECT	2.3	1.000		2.30	\$43.81	\$1
COMPLETE CROSS-CONNECT	4	1.000		4.00	\$43.81	\$2
PERFORM LINE/DROP TESTING		1.000		8.00	\$43.81	\$5
COMPLETE CONFORMANCE TEST	15	1.000		15.00	\$43.81	\$10
POST COMPLETE IN WFA-DI	2	1.000		2.00	\$43.81	\$1
COMPLETE WITH CCT-I	3	1,000		3.00	\$43.81	\$2
btotal - CENTRAL OFFICE FRAMES				42.30		\$30.
ERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	10	1.000		10.00	\$43.81	\$7.
VERIFY LNO COMPLETION	10	1.000		10.00	\$43.81	\$7.
COORDINATE CIRCUIT TEST	15	1.000		15.00	\$43.81	\$10.
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	\$3.
COMPLETE CIRCUIT IN WFA/C	10	1.000		10.00	\$43.81	\$7.
btotal - SERVICE DELIVERY IMPLEMENTOR				50.00		\$36.
al For Service:				171.05		\$120.

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work teen A	Time Minutes B	Prati #2 D	Prob #3 E	Prob #4	Applied Time (Minutes) G	Labor Mour H	Cost
					B * (C Thru F)		H * (G/60)

# UDIT DS0 REARRANGEMENT SINGLE OFFICE (con't)

8957 Direct Cost			\$120.45
8958			SSSSSS ASSESSED COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON COMMON
8959	Cost	Cost	
8960	Calculation	Factor	Cost
8961	B C	0	E
8962 Marketing & Business Fees			
8963 Product Management Expense	D8963*E8957	0.019957	\$2.40
8964 Sales Expense	D8964*E8957	0.011877	\$1.43
8965 Product Advertising Expense	D8965*E8957	0.000000	\$0.00
8966 Business Fees (Other Operating Taxes)	D8966*Sum(E8957:E8965)	0.001483	\$0.18
8967 Total Marketing & Business Fees	Sum(E8957:E8966)		\$4.02
8968			
8969 Sub-Total Direct Cost & Marketing	E8957+E8967		\$124.47
8970			
8971 Other Direct Expenses			
8972 Network Operations	D8972*E8969	0.034832	\$4.34
8973 Network Support Assets	D8973*E8969	0.014703	\$1.83
8974 General Support Assets	D8974*E8969	0.088742	\$11.05
8975 General Purpose Computers	D8975*E8969	0.043342	\$5.39
8976 Uncollectible	D8976*E8969	0.003786	\$0.47
8977 Accounting & Finance Expense	D8977*E8969	0.007346	\$0.91
8978 Human Resources Expense	D8978*E8969	0.008294	\$1.03
8979 Information Management Expense	D8979*E8969	0.070887	\$8.82
8980 Intangibles	D8980*E8969	0.000000	\$0.00
8981 Total Other Direct Expenses	Sum(E8972:E8980)		\$33.85
8982			
8983 TELRIC	E8972+E8981		\$158.32
8984			
8985 Common			
8986 Executive Expense	D8986*E8983	0.011267	\$1.78
8987 Planning Expense	D8987*E8983	0.000525	\$0.08
8988 External Relations Expense	D8988*E8983	0.037846	\$5.99
8989 Legal Expense	D8989*E8983	0.004717	\$0.75
8990 Other Procurement Expense	D8990*E8983	0.001860	\$0.29
8991 Research & Development Expense	D8991*E8983	0.000006	\$0.00
8992 Other General and Admin Expense	D8992*E8983	0.015064	\$2.38
8993 Cammon Costs	Sum(E8986:E8992)		\$11.29
8994		··	
8995 TELRIC + Common Costs	E8983+E8993		\$169.61

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Rein	Time Minutes	Prob #1		rob Prob KJ #4	Applied Time (Minutes)	Labor /Hour	Cast
A	В	C	Б	E F	G B * (C Thru F)	H	/ H * (G/60)
UDIT DS0 REARRANGEMENT DUAL OFFICE							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRS ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.35 PROBABILITY OF TIME MANUALLY HANDLED RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000			10.00	\$40.03	\$6.67
CHECK CREDIT INFO/SECURITY	2	1.000			2.00	\$40.03	\$1.33
TIRKS	3	1.000			3.00	\$40.03	\$2.00
TIRKS	5	1,000			5.00	\$40.03	\$3.34
VALIDATE ADDRESS IN TAG	3	1.000			3.00	\$40.03	\$2.00
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	\$2.00
VERIFY LOA	5	0.650			3.25	\$40.03	\$2.17
COORDINATE AS ICO	8	0.350			2.80	\$40.03	\$1.87
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	\$8.67
MECHANICAL FOC	1	0.900			0.90	\$40.03	\$0.60
MANUALLY FOC	6	0.100			0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	6	1.000			6.00	\$40.03	\$4.00
DISTRIBUTE SERVICE ORDER TO THE SOPs	3	1.000 1.000			1.00 3.00	\$40.03 \$40.03	\$0.67 \$2.00
CHECK SOAC CHECK WFA	3	1.000			3.00	\$40.03	\$2.00 \$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	i	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	2	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR					71,45		\$47.67
				· · · · · · · · · · · · · · · · · · ·			
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.	_	0.000			4.55	044.01	do 74
ORDER HANDLING/SCREENING GOC ORDER LOG	5 6	0.200 0.200			1.00 1.20	\$44.31 \$44.31	\$0.74 \$0.89
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0.89 \$0.37
PREP LOOP INPUT/DRI	10	0.200			2.00	\$44.31	\$1.48
DISCONNECT CIRCUIT	5	0.100			0.50	\$44.31	\$0.37
CIRCUIT DESIGN	20	0.100			2.00	\$44.31	\$1.48
DISTRIBUTE WORD DOC	2	0.050			0.10	\$44.31	\$0.07
- ··· · · · · · · · · · · · · · · · · ·							

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Rem A	Minutes B	#1 C	<b>#2</b> D	<u> </u>	(Minutes)	<i>H</i> our	Cost
,	J	·	-	_ ,	B * (C Thru F)	**	H * (G/60)
IT DS0 REARRANGEMENT DUAL OFFICE (con't;							
ototal - DESIGN					7.30		\$5.
INTRAL OFFICE FRAMES							
2 probability is work done in two co's.							
ANALYZE ORDER	5	1.000	2.000		10.00	\$43,81	\$7
CONTACT CCTI TO WORK ORDER	3	1.000	2.000		6.00	\$43.81	\$4
REMOVE CROSS-CONNECT	2.3	1.000	2.000		4.60	\$43.81	\$3
COMPLETE CROSS-CONNECT	4	1.000	2.000		8.00	\$43.81	\$5
PERFORM LINE/DROP TESTING	8	1.000	2.000		16.00	\$43.81	\$11
COMPLETE CONFORMANCE TEST	15	1.000	2.000		30.00	\$43.81	\$21
POST COMPLETE IN WFA-DI	2	1.000	2.000		4.00	\$43.81	\$2
COMPLETE WITH CCT-I	3	1.000	2.000		6.00	\$43.81	\$4
total - CENTRAL OFFICE FRAMES					84.60		\$61
RVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7
VERIFY LNO COMPLETION	10	1.000			10.00	\$43.81	\$7
COORDINATE CIRCUIT TEST	15	1.000			15.00	\$43.81	\$10
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	\$3
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7
total - SERVICE DELIVERY IMPLEMENTOR					50.00	<del></del>	\$36
al For Service:					213.35		\$151

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rean Á	Time Minutes B	Prob #1 C	Prots #2 D	Prob Pro		Labor Afour Cost H I
					B*(CThruF)	H * (G/60)

# UDIT DS0 REARRANGEMENT DUAL OFFICE (con't,

9092 Direct Cost			\$151.34
9093			
9094	Cost	Cost	
9095	Calculation	Factor	Cost
9096	B C	D	E
9097 Marketing & Business Fees			<u> </u>
9098 Product Management Expense	D9098*E9092	0.019957	\$3.02
9099 Sales Expense	D9099*E9092	0.011877	\$1.80
9100 Product Advertising Expense	D9100*E9092	0.000000	\$0.00
9101 Business Fees (Other Operating Taxes)	D9101*Sum(E9092:E9100)	0.001483	\$0.23
9102 Total Marketing & Business Fees	Sum(E9092:E9101)		\$5.05
9103			
9104 Sub-Total Direct Cost & Marketing	E9092+E9102		\$156.39
9105			
9106 Other Direct Expenses			
9107 Network Operations	D9107*E9104	0.034832	\$5.45
9108 Network Support Assets	D9108*E9104	0.014703	\$2.30
9109 General Support Assets	D9109°E9104	0.088742	\$13.68
9110 General Purpose Computers	D9110*E9104	0.043342	\$6.78
9111 Uncollectible	D9111*E9104	0.003786	\$0.59
9112 Accounting & Finance Expense	D9112*E9104	0.007346	\$1.15
9113 Human Resources Expense	D9113*E9104	0.008294	\$1.30
9114 Information Management Expense	D9114*E9104	0.070887	\$11.09
9115 Intangibles	D9115*E9104	0.000000	\$0.00
9116 Total Other Direct Expenses	Sum(E9107:E9115)		\$42.53
9117			
9118 TELAIC	E9107+E9116		\$198.92
9119			
9120 Common			
9121 Executive Expense	D9121*E9118	0.011267	\$2.24
9122 Planning Expense	D9122*E9118	0.000525	\$0.10
9123 External Relations Expense	D9123*E9118	0.037846	\$7.53
9124 Legal Expense	D9124*E9118	0.004717	\$0.94
9125 Other Procurement Expense	D9125*E9118	0.001860	\$0.37
9126 Research & Development Expense	D9126*E9118	0.000006	\$0.00
9127 Other General and Admin Expense	D9127*E9118	0.015064	\$3.00
9128 Common Costs	Sum(E9121:E9127)		\$14.18
9129			
9130 TELRIC + Common Costa	E9118+E9128	44.5	\$213.10

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prob	Prob Applied TI		
Work Hern	Minutes	#I	#2 #3	#4 (Minutes		Cost
A	В	С	D E	F G	H	[
				B * (C Thri	1 F)	H * (G/60)
UDIT HICAP REARRANGEMENT SINGLE OFFICE						
ODITION (IEATHORNETT ONGLE OF TOE						
*ADD*						
ASSIVAE DEL CUERVA CACARDINA ECO						
-SERVICE DELIVERY COORDINATOR 90 PROBABILITY OF ASRs ARE MECHANICAL						
.90 PROBABILITY OF ASRS ARE MECHANICAL .10 PROBABILITY OF ASRS ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
······································						
.35 PROBABILITY OF TIME MANUALLY HANDLED	1	0.900			0.90 \$40.0	3 \$0.60
RECEIVE ASR MECHANICALLY	10	0.100			1.00 \$40.0	
RECEIVE ASR VIA FAX						
VALIDATE ASR IN EXACT	10	1.000			0.00 \$40.0	
CHECK CREDIT INFO/SECURITY	2	1.000			2.00 \$40.0	
TIRKS	3	1.000			3.00 \$40.0	
TIRKS	5	1.000			5.00 \$40.0	
VALIDATE ADDRESS IN TAG	3	1.000			3.00 \$40.0	
VALIDATE CONTRACT RATES	3	1.000			3.00 \$40.0	
VERIFY LOA	5	0.650			3.25 \$40.0	
COORDINATE AS ICO	.8	0.350			2.80 \$40.0	
INTRA COMPANY CALLS	13	1.000			3.00 \$40.0	
MECHANICAL FOC	1	0.900			0.90 \$40.0	
MANUALLY FOC	6	0.100			0.60 \$40.0	
DISTRIBUTE THE ORDER TO IABS	1	1.000			1.00 \$40.0	
VALIDATE IABS SERVICE ORDER	6	1.000			6.00 \$40.0	
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000			1.00 \$40.0	
CHECK SOAC	3	1.000			3.00 \$40.0	
CHECK WFA	3	1.000			3.00 \$40.0	
CHECK IABS SERVICE ORDER	5	1.000			5.00 \$40.0	
COMPLETE IABS SERVICE ORDER	]	1.000			1.00 \$40.0	
COMPLETE EXACT	1	1.000			1.00 \$40.0	
NOTE EXACT	2	1.000			2.00 \$40.0	3 \$1.33
Subtotal - SERVICE DELIVERY COORDINATOR					.45	\$47.67
-DESIGN						
Probabilities are % manual work required. Reciprocal is mechanization rate.	-	1.000			E 00	
ORDER HANDLING/SCREENING	5 6	1.000			5.00 \$44.3	
GOC ORDER LOG	5	1.000			6.00 \$44.3 5.00 \$44.3	
ENTER WA MASK	_	1.000				
PREP LOOP INPUT/DRI	15	1.000			5.00 \$44.3	* . * -
DISCONNECT CIRCUIT	5	1.000			5.00 \$44.3	
CIRCUIT DESIGN	30 2	1.000			0.00 \$44.3	
DISTRIBUTE WORD DOC	2	1.000			2.00 \$44.3	1 \$1.48

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Total For Service:

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231.75

\$165.28

State. South Parota						
Work has	Time Minutes	Prob #1	Prot Prot #2 #3	: Prob Applied Time M (Minutes)	Labor Mour	Cost
A	В	C	ο Ε	F G B*(C Thru F)	н	/ H * (G/60)
UDIT HICAP REARRANGEMENT SINGLE OFFICE (con't,						
Subtotal - DESIGN		. —. —. . –		68.00		\$50.2
CENTRAL OFFICE FRAMES						
Work done in one central office.						
ANALYZE ORDER	5	1.000		5.00	\$43.81	\$3.6
CONTACT CCTI TO WORK ORDER	3	1.000		3.00	\$43.81	\$2.1
REMOVE CROSS-CONNECT	2.3	1.000		2.30	\$43.81	\$1.
COMPLETE CROSS-CONNECT	4	1.000		4.00	\$43.81	\$2.9
PERFORM LINE/DROP TESTING	8	1.000		8.00	\$43.81	\$5.8
COMPLETE CONFORMANCE TEST	15	1.000		15.00	\$43.81	\$10.9
POST COMPLETE IN WFA-DI	2	1.000		2.00	\$43.81	\$1.4
COMPLETE WITH CCT-I	3	1.000		3.00	\$43.81	\$2.1
Subtotal - CENTRAL OFFICE FRAMES				42.30		\$30.8
SERVICE DELIVERY IMPLEMENTOR						
SCREEN WFA FOR CIRCUIT	10	1,000		10.00	\$43.81	\$7.3
VERIFY LNO COMPLETION	10	1.000		10.00	\$43.81	\$7.3
COORDINATE CIRCUIT TEST	15	1.000		15.00	\$43.81	\$10.9
NOTIFY CUSTOMER	5	1.000		5.00	\$43.81	\$3.0
COMPLETE CIRCUIT IN WFA/C	10	1.000		10,00	\$43.81	\$7.3
ubtotal - SERVICE DELIVERY IMPLEMENTOR				50,00		\$36.5

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Heat A	Time Minutes B	Prot #1 C	Prob #2 D	Prob #3 E	Applied Time (Minutes) G	Labor Mour H	Cost
					B * (C Thru F)		H * (G/60)

# UDIT HICAP REARRANGEMENT SINGLE OFFICE (con't,

9227 Direct Cost			\$165.28
9228			
9229	Cost	Cost	
9230	Calculation	Factor	Cost
9231	B C	0	E
9232 Marketing & Business Fees			
9233 Product Management Expense	D9233*E9227	0.019957	\$3.30
9234 Sales Expense	D9234*E9227	0.011877	\$1.96
9235 Product Advertising Expense	D9235*E9227	0.000000	\$0.00
9236 Business Fees (Other Operating Taxes)	D9236*Sum(E9227:E9235)	0.001483	\$0.25
9237 Total Marketing & Business Fees	Sum(E9227:E9236)		\$5,51
9238	· · · · · · · · · · · · · · · · · · ·	<del></del>	
9239 Sub-Total Direct Cost & Marketing	E9227+E9237		\$170.80
9240		<u> </u>	
9241 Other Direct Expenses			
9242 Network Operations	D9242*E9239	0.034832	\$5.95
9243 Network Support Assets	D9243°E9239	0.014703	\$2.51
9244 General Support Assets	D9244*E9239	0.088742	\$15.16
9245 General Purpose Computers	D9245*E9239	0.043342	\$7.40
9246 Uncollectible	D9246*E9239	0.003786	\$0.65
9247 Accounting & Finance Expense	D9247°E9239	0.007346	\$1.25
9248 Human Resources Expense	D9248*E9239	0.008294	\$1.42
9249 Information Management Expense	D9249*E9239	0.070887	\$12.11
9250 Intangibles	D9250*E9239	0.000000	\$0.00
9251 Total Other Direct Expenses	Sum(E9242:E9250)		\$46.44
9252			
9253 TELRIC	E9242+E9251		\$217.24
9254			
9255 Common			
9256 Executive Expense	D9256*E9253	0.011267	\$2.45
9257 Planning Expense	D9257*E9253	0.000525	\$0.11
9258 External Relations Expense	D9258*E9253	0.037846	\$8.22
9259 Legal Expense	D9259*E9253	0.004717	\$1.02
9260 Other Procurement Expense	D9260*E9253	0.001860	\$0.40
9261 Research & Development Expense	D9261*E9253	0.000006	\$0.00
9262 Other General and Admin Expense	D9262*E9253	0.015064	\$3.27
9263 Common Costs	Sum(E9256:E9262)		\$15.49
9264		<del></del>	
9265 TELRIC + Common Costs	E9253+E9263		\$232.73

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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State. South Danota						
	Time	Prob Pro	to Prot Prot	Applied Time	Labor	
Work flem	Minutes	#1 #2		(Minutes)	Hour	Cost
A	В	C D		G	Н	
				B * (C Thru F)		H * (G/60)
				,		
UDIT HICAP REARRANGEMENT DUAL OFFICE						
*ADD*						
-SERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRs ARE MECHANICAL						
.10 PROBABILITY OF ASRS ARE MANUALLY FAXED						
.65 PROBABILITY OF TIME MANUALLY HANDLED						
.35 PROBABILITY OF TIME MANUALLY HANDLED						
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100		1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000		10.00	\$40.03	\$6.67
CHECK CREDIT INFO/SECURITY	2	1.000		2.00	\$40.03	\$1.33
TIRKS	3	1.000		3.00	\$40.03	\$2.00
TIRKS	5	1.000		5.00	\$40.03	\$3.34
VALIDATE ADDRESS IN TAG	3	1.000		3.00	\$40.03	\$2.00
VALIDATE CONTRACT RATES	3	1.000		3.00	\$40.03	\$2.00
VERIFY LOA	5	0.650		3.25	\$40.03	\$2.17
COORDINATE AS ICO	. 8	0.350		2.80	\$40.03	\$1.87
INTRA COMPANY CALLS	13	1.000		13.00	\$40.03	\$8.67
MECHANICAL FOC	1	0.900		0.90	\$40.03	\$0.60
MANUALLY FOC	6	0.100		0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO IABS	1	1.000 1.000		1.00 6.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	6				\$40.03 \$40.03	\$4.00 \$0.67
DISTRIBUTE SERVICE ORDER TO THE SOPS	1 3	1.000 1.000		1.00 3.00	\$40.03 \$40.03	\$0.67 \$2.00
CHECK SOAC	3	1.000		3.00	\$40.03 \$40.03	\$2.00 \$2.00
CHECK WFA CHECK IABS SERVICE ORDER	ა 5	1.000		5.00 5.00	\$40.03	\$2.00 \$3.34
COMPLETE IABS SERVICE ORDER	1	1.000		1.00	\$40.03	\$3.34 \$0.67
COMPLETE TABS SERVICE ORDER COMPLETE EXACT	1	1.000		1.00	\$40.03	\$0.67
NOTE EXACT	ż	1.000		2.00	\$40.03	\$1.33
	<del></del>					•
Subtotal - SERVICE DELIVERY COORDINATOR				71.45		\$47.67
necion						
-DESIGN Probabilities are % manual work required. Reciprocal is mechanization rate.						
ORDER HANDLING/SCREENING	5	1.000		5.00	\$44.31	\$3.69
GOC ORDER LOG	6	1.000		6.00	\$44.31	\$4.43
ENTER WA MASK	5	1.000		5.00	\$44.31	\$3.69
PREP LOOP INPUT/DRI	15	1.000		15.00	\$44.31	\$11.08
DISCONNECT CIRCUIT	5	1.000		5.00	\$44.31	\$3.69
CIRCUIT DESIGN	30	1.000		30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	1.000		2.00	\$44.31	\$1.48

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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A	В	#1 C	#2 D	<b>約 料</b>	(Minutee) G	/Hour	Cost
···	_	Ū	_		B * (C Thru F)	••	H * (G/60
T HICAP REARRANGEMENT DUAL OFFICE (con't,							
total - DESIGN					68.00		\$5
NTRAL OFFICE FRAMES							
2 probability is work done in two co's.							
ANALYZE ORDER	5	1.000	2.000		10.00	\$43.81	
CONTACT CCTI TO WORK ORDER	3	1.000	2.000		6.00	\$43.81	
REMOVE CROSS-CONNECT	2.3	1.000	2.000		4.60	\$43.81	
COMPLETE CROSS-CONNECT	4	1.000	2.000		8.00	\$43.81	
PERFORM LINE/DROP TESTING	8	1.000	2.000		16.00	\$43.81	\$
COMPLETE CONFORMANCE TEST	15	1.000			15.00	\$43.81	\$
POST COMPLETE IN WFA-DI	2	1.000	2.000		4.00	\$43.81	
COMPLETE WITH CCT-I	3	1.000	2.000		6.00	\$43.81	
otal - CENTRAL OFFICE FRAMES					69.60		\$
RVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	
VERIFY LNO COMPLETION	10	1.000			10,00	\$43.81	
COORDINATE CIRCUIT TEST	15	1.000			15.00	\$43.81	\$
NOTIFY CUSTOMER	5	1.000			5.00	\$43.81	;
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	:
otal - SERVICE DELIVERY IMPLEMENTOR					50.00		\$

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Work tean	Time Minutes	Prob Prob	Prob Pro		
	В	C D	Ē F	G H	
				B * (C Thru F)	H * (G/60)

# UDIT HICAP REARRANGEMENT DUAL OFFICE (con't,

			50000000-1010-10-10-10-10-10-10-10-10-10-
9362 Offrect Cost 9363			\$185.21
9364	Cost		
9365	Calculation	Cost Factor	
9366	Calcumion	Paciti	Cost
			<u> </u>
9367 Marketing & Business Fees	D0000+E0000		^~ =-
9368 Product Management Expense 9369 Sales Expense	D9368*E9362 D9369*E9362	0.019957	\$3.70
	D9370*E9362	0.011877	\$2.20
9370 Product Advertising Expense		0.000000	\$0.00
9371 Business Fees (Other Operating Taxes)	D9371*Sum(E9362:E9370)	0.001483	\$0.28
9372 Total Marketing & Business Fees	Sum(E9362:E9371)		\$6.18
9373			
9374 Sub-Total Direct Cost & Marketing	E9362+E9372		\$191.39
9375			
9376 Other Direct Expenses			
9377 Network Operations	D9377*E9374	0.034832	\$6.67
9378 Network Support Assets	D9378*E9374	0.014703	\$2.81
9379 General Support Assets	D9379*E9374	0.088742	\$16.98
9380 General Purpose Computers	D9380*E9374	0.043342	\$8.30
9381 Uncollectible	D9381*E9374	0.003786	\$0.72
9382 Accounting & Finance Expense	D9382*E9374	0.007346	<b>\$1.4</b> 1
9383 Human Resources Expense	D9383*E9374	0.008294	\$1.59
9384 Information Management Expense	D9384*E9374	0.070887	\$13.57
9385 Intangibles	D9385*E9374	0.000000	\$0.00
9386 Total Other Direct Expenses	Sum(E9377:E9385)		\$52.05
9387			
9388 TELRIC	E9377+E9386		\$243.44
9389			
9390 Common			
9391 Executive Expense	D9391*E9388	0.011267	\$2.74
9392 Planning Expense	D9392*E9388	0.000525	\$0.13
9393 External Relations Expense	D9393*E9388	0.037846	\$9.21
9394 Legal Expense	D9394*E9388	0.004717	\$1.15
9395 Other Procurement Expense	D9395*E9388	0.001860	\$0.45
9396 Research & Development Expense	D9396*E9388	0.000006	\$0.00
9397 Other General and Admin Expense	D9397*E9388	0.015064	\$3.67
9398 Common Costs	Sum(E9391:E9397)		\$17.35
9399			
9400 TELRIC + Common Costs	E9388+E9398	<del></del>	\$260.79

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

State: South Dakota

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State: South Dakota							
	Time	Prob	Prob	Prob Pro	b Applied Time	Labor	
Work Dem	Minutes	#1	#2	#3 #4		/Hour	Cost
A	В	С	D	E F	G	Н	
					B * (C Thru F)		H * (G/60)
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12							
*ADD*							
<u> </u>							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED							
.65 PROBABILITY OF TIME MANUALLY HANDLED							
.35 PROBABILITY OF TIME MANUALLY HANDLED							
Prob. 2 (.33) is percent orders for Ports subsequent to installed EUDIT.							
Prob. 3 (.33) is average number of ports per order.		0.000	0.000	0.000			00.0=
RECEIVE ASR MECHANICALLY	1	0.900	0.330	0.330	0.10	\$40.03	\$0.07
RECEIVE ASR VIA FAX	10	0.100	0.330	0.330	0.11	\$40.03	\$0.07
VALIDATE ASR IN EXACT	10 2	1.000 1.000	0.330	0.330	1.09	\$40.03	\$0.73
CHECK CREDIT INFO/SECURITY	3	1.000	0.330	0.330	0.22	\$40.03	\$0.15
TIRKS TIRKS	3	1.000	0.330 0.330	0.330 0.330	0.33 0.54	\$40.03 \$40.03	\$0.22 \$0.36
VALIDATE ADDRESS IN TAG	3	1,000	0.330	0.330	0.33	\$40.03 \$40.03	\$0.36 \$0.22
VALIDATE CONTRACT RATES	3	1.000	0.330	0.330	0.33	\$40.03	\$0,22 \$0,22
VERIFY LOA	5	0.650	0.330	0.330	0.35	\$40.03	\$0.22 \$0.24
COORDINATE AS ICO	8	0.350	0.330	0.330	0.30	\$40.03	\$0.20
INTRA COMPANY CALLS	13	1.000	0.330	0.330	1.42	\$40.03	\$0.94
MECHANICAL FOC	1	0.900	0.330	0.330	0.10	\$40.03	\$0.07
MANUALLY FOC	6	0.100	0.330	0.330	0.07	\$40.03	\$0.04
DISTRIBUTE THE ORDER TO IABS	ĭ	1.000	0.330	0.330	0.11	\$40.03	\$0.07
VALIDATE IABS SERVICE ORDER	6	1.000	0,330	0.330	0.65	\$40.03	\$0.44
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000	0.330	0.330	0.11	\$40.03	\$0.07
CHECK SOAC	3	1.000	0.330	0.330	0.33	\$40.03	\$0.22
CHECK WFA	3	1.000	0.330	0.330	0.33	\$40.03	\$0.22
CHECK IABS SERVICE ORDER	5	1.000	0.330	0.330	0.54	\$40.03	\$0.36
COMPLETE IABS SERVICE ORDER	1	1.000	0.330	0.330	0.11	\$40.03	\$0.07
COMPLETE EXACT	1	1.000	0.330	0.330	0.11	\$40.03	\$0.07
NOTE EXACT	2	1.000	0.330	0.330	0.22	\$40.03	\$0.15
Subtotal - SERVICE DELIVERY COORDINATOR					7.78		\$5.19
-DESIGN							
Design is 100% manual work.							
ORDER HANDLING/SCREENING	5	1.000			5.00	\$44.31	\$3.69
GOC ORDER LOG	6	1.000			6.00	\$44.31	\$4.43
ENTER WA MASK	.5	1.000			5.00	\$44.31	\$3.69
PREP LOOP INPUT/DRI	15	1.000			15.00	\$44.31	\$11.08
CIRCUIT DESIGN	30	1.000			30.00	\$44.31	\$22.16
DISTRIBUTE WORD DOC	2	1.000			2.00	\$44.31	\$1.48

Study Name: NONRECURRING ELEMENTS

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State: South Dakota							
	Time	Prob	Prob	Prob Pro	ob Applied Time	Labor	
Work them	Minutes	gr.	#2	#3 #4		/Hour	Cost
A	В	C	D	E F	G	Н	T T
					B * (C Thru F)		H * (G/60)
CUBIT DEMOTE NODE DODT DC1/MC2/OC2/OC44 (/-)							
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12 (con't)							
Subtotal - DESIGN					63.00		\$46.53
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WFA FOR CIRCUIT	15	1.000			15.00	\$43.81	\$10.95
VERIFY LNO FOR CIRCUIT	10	1.000			10.00	\$43.81	\$10.95 \$7.30
COORDINATION TIME WITH FIELD, CLEC TO TEST	20	1.000					
CONTINUITY/STRESS TESTS	20 35	1.000			20.00	\$43.81 \$43.81	\$14.60
	აი 5	1.000			35.00	*	\$25.56
NOTIFY CUSTOMER					5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR					95.00		\$69.37
DISCONNECT				<u> </u>			
'DISCONNECT'							
SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY OF ASRs ARE MECHANICAL							
.10 PROBABILITY OF ASRs ARE MANUALLY HANDLED							
.03 PROBABILITY ARE MANUALLY HANDLED							
Prob. 2 (.33) is percent orders for Ports subsequent to installed EUDIT.							
Prob. 3 (.33) is average number of ports per order.		0.000	0.000	0.000	0.10	040.00	#0 oz
RECEIVE ASR MECHANICALLY	1	0.900	0.330	0.330	0.10	\$40.03	\$0.07
RECEIVE ASR VIA FAX	10	0.100	0.330	0.330	0.11	\$40.03	\$0.07
VERIFY TAXI	5	1.000	0.330	0.330	0.54	\$40.03	\$0.36
VALIDATE ASR IN EXACT	5	1.000	0.330	0.330	0.54	\$40.03	\$0.36
VALIDATE IN TIRKS	3	0.030	0.330	0.330	0.01	\$40.03	\$0.01
INTRA-COMPANY CALLS	5	1.000	0.330	0.330	0.54	\$40.03	\$0,36
MECHANICAL FOC	1	0.900	0.330	0.330	0.10	\$40.03	\$0.07
MANUAL FOC	6	0.100	0.330	0.330	0.07	\$40.03	\$0.04
DISTRIBUTE THE ORDER TO IABS	1	1.000	0.330	0.330	0.11	\$40.03	\$0.07
VALIDATE IABS SERVICE ORDER	5	1.000	0.330	0.330	0.54	\$40.03	\$0.36
DISTRIBUTE SERVICE ORDER TO THE SOPS	1	1.000	0.330	0.330	0.11	\$40.03	\$0.07
CHECK SOAC	3	1.000	0.330	0.330	0.33	\$40.03	\$0.22
CHECK WFA	3	1.000	0.330	0.330	0.33	\$40.03	\$0.22
CHECK IABS SERVICE ORDER	5	1,000	0.330	0.330	0.54	\$40.03	\$0.36
COMPLETE IABS SERVICE ORDER	1	1.000	0.330	0.330	0.54	\$40.03	\$0.07
COMPLETE IABS SERVICE ORDER  COMPLETE EXACT	1	1.000	0.330	0.330	0.11	\$40.03 \$40.03	\$0.07 \$0.07
	2	1.000	0.330				
NOTE EXACT	2	1.000	0.330	0.330	0.22	\$40.03	\$0.15
Subtotal - SERVICE DELIVERY COORDINATOR	<del></del>				4.41		\$2.94
DESIGN					<del>-</del>		· — —
DESIGN Design is 100% manual work.							
ORDER HANDLING/SCREEN	5	1.000			5.00	\$44.31	\$3.69
OLIDELL IN MADERACION META	•	1.000			5.00	<del>ψ••</del> •••	Ψ0.03

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Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob Pro	- **	Labor Mour	Cost
A	В	C D	E F G B*(C Thru F)	Н	I H * (G/60)
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12 (con't)			,		, ,
GOC ORDER LOG	6	1.000	6.00	\$44.31	\$4.43
ENTER WA MASK	5	1.000	5.00	\$44.31	\$3.69
DISCONNECT CIRCUIT DISTRIBUTE WORD DOC	5	1.000 1.000	5.00 2.00	\$44.31 \$44.31	\$3.69 \$1.48
					·
Subtotal - DESIGN			23.00		\$16.99
-SERVICE DELIVERY IMPLEMENTOR					
SCREEN WFA FOR CIRCUIT	5	1.000	5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000 1.000	5.00	\$43.81 \$43.81	\$3.65 \$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000	5.00	\$43.01	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR			15.00		\$10.95

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Work Rem A	Time Minutes B	Prob Pro		abor Hour Cost H
			B * (C Thru F)	H * (G/60)

#### EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12 (con't)

9542 Office Cost			\$151.96
9543			
9544		Cost	
9545		actor	Cost
9546		D	2
9547 Marketing & Business Fees			
9548 Product Management Expense	D9548*E9542	0.019957	\$3.03
9549 Sales Expense	D9549*E9542	0.011877	\$1.80
9550 Product Advertising Expense	D9550*E9542	0.000000	\$0.00
9551 Business Fees (Other Operating Taxes)	D9551*Sum(E9542:E9550)	0.001483	\$0.23
9552 Total Marketing & Business Fees	Sum(E9542:E9551)		\$5.07
9553			
9554 Sub-Total Direct Cost & Marketing	E9542+E9552		\$157.03
9565			
9556 Other Direct Expenses			
9557 Network Operations	D9557*E9554	0.034832	\$5.47
9558 Network Support Assets	D9558*E9554	0.014703	\$2.31
9559 General Support Assets	D9559*E9554	0.088742	\$13.94
9560 General Purpose Computers	D9560*E9554	0.043342	\$6.81
9561 Uncollectible	D9561*E9554	0.003786	\$0.59
9562 Accounting & Finance Expens∈	D9562*E9554	0.007346	\$1.15
9563 Human Resources Expense		0.008294	\$1.30
9564 Information Management Expense	D9564*E9554	0.070887	\$11.13
9565 Intangibles	D9565*E9554	0.000000	\$0.00
9566 Total Other Direct Expenses	Sum(E9557:E9565)		\$42.70
9567	FORTH FORM		
9568 TELRIC	E9557+E9566		\$199.73
9569			
9570 Common	D9571*E9668	0.011267	\$2.25
9571 Executive Expense		0.000525	\$0.10
9572 Planning Expense		0.000525	\$7.56
9573 External Relations Expense		0.037646	\$0.94
9574 Legal Expense			*
9575 Other Procurement Expense	* * * * * * * * * * * * * * * * * * * *	0.001860	\$0.37
9576 Research & Development Expense		0.000006	\$0.00
9577 Other General and Admin Expense 9578 Common Costs	Sum(E9571:E9577)	0.015064	\$3.01
9579 Common Costs	20111(E3311)		\$14.24
9579 9580 TELRIC + Common Costa	E9568+E9578	<del></del>	\$213.97
5500 IEERIO T COMMON COSA	E9300+E9310		<b>⊅</b> ≥ 10.97

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State: South Dakota

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Work Next	Time Minutes	Prob Prob	Prob Prob Applied Time #3 #4 (Minutes)	Labor Mour	Cost
A	В	С	E F G B*(CThru F)	Н	H * (G/60)
DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE					
*ADD*					
-COLLOCATION PROJECT MANAGEMENT CENTER (CPMC)					
Check e-mail for UDF request - open file - review for completeness - save to desktop	2.0	1.000	2.00	\$56.97	\$1.9
Add basic data	0.5	1.000	0.50	\$56.97	\$0.4
Determine planner by using wire center information program	2.0	1.000	2.00	\$56.97	\$1.9
Add planner data to request and print Wire Center Information sheet	2.0	1.000	2.00	\$56.97	\$1.9
Compose and forward e-mail to planner - attach to request and forward to planner	2.0	1.000	2.00	\$56.97	\$1.9
Follow-up call with planner	15.0	1.000	15.00	\$56.97	\$14.2
Create virtual folders on desktop and move electronic data into folders	0.5	1.000	0.50	\$56.97	\$0.4
Print copy of e-mail to planner	2.0	1.000	2.00	\$56.97	\$1.9
Create physical folder and file	3.0	1.000	3.00	\$56.97	\$2.8
Enter request data into tracking system	5.0	1.000	5.00	\$56.97	\$4.1
Update response "due back" list	1.0	1.000	1.00	\$56.97	\$0.9
File physical folder	1.0	1.000	1.00	\$56.97	\$0.9
Verify status of planners response	15.0 10.0	1.000 1.000	15.00	\$56.97 \$56.97	\$14.2
Shared time for common phone calls, meetings, reports, Receive and review response from planner	2.0	1.000	10.00	\$56.97 \$56.97	\$9.5
Add basic data	2.0 1.0	1,000	2.00 1.00	\$56.97	\$1.9 \$0.9
Compose and forward e-mail to ATR - attach to request and forward to ATR	2.0	1.000	2.00	\$56.97	
Move file from desktop into results folder	0.5	1.000	2.00 0.50	\$56.97	\$1.9 \$0.4
Print copy of e-mail to ATR	2.0	1.000	2.00	\$56.97	\$0.4 \$1.9
Place copy of e-mail to ATA  Place copy of e-mail in physical folder	2.0	1.000	2.00	\$56.97	\$1.8 \$1.9
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC	<del></del>		70,50		\$66.9
DI ANNUNO (COD), CD IOT FAICE			_ <del></del>		
-PLANNING (OSP) OR IOF ENGR. CHECK CONDUIT AND INNERDUCT AVAILABILITY					
ALSO. CHECK LOCATION OF POI MANHOLE					
Review records and data bases to identify potential UDF capacity	120	1.000	120.00	\$51.76	\$103.5
Subtotal - PLANNING (OSP) OR IOF ENGR.			120.00		\$103.5
IAP To the Chieve					
IOF <u>Tactical Planning</u> Reviews TIRKS and planned jobs for spare IOF-IOF fiber capacity (time per Central Office)	15	1.000	15.00	\$46.18	\$11.5
Subtotal - IOF Tactical Planning			15,00		\$11.5
Total For Service:			205.50		\$182.0
I Utal FUI SETVICE.	<del></del>		203.30		9102.0

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work them	Time Minutes		rab Prob 12 #3		d Time Lebor utes) Afour	
A	8	С	D E	F	3 TH	
				B*(C	Thru F)	H * (G/60)

# DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE (con't,

9632 Direct Cost			\$182.00
9633			
9634	Cost	Cost	
9635	Calculation	Factor	Cost
9636	8 C	D	E
9637 Marketing & Business Fees			4,000
9638 Product Management Expense	D9638*E9632	0.019957	\$3.63
9639 Sales Expense	D9639*E9632	0.011877	\$2.16
9640 Product Advertising Expense	D9640*E9632	0.000000	\$0.00
9641 Business Fees (Other Operating Taxes)	D9641*Sum(E9632:E9640)	0.001483	\$0.28
9642 Total Marketing & Business Fees	Sum(E9632:E9641)		\$6.07
9643			
9644 Sub-Total Direct Cost & Marketing	E9632+E9642		\$188.08
9645			
9646 Other Direct Expenses			
9647 Network Operations	D9647*E9644	0.034832	\$6.55
9648 Network Support Assets	D9648*E9644	0.014703	\$2.77
9649 General Support Assets	D9649*E9644	0.088742	\$16.69
9650 General Purpose Computers	D9650*E9644	0.043342	\$8.15
9651 Uncollectible	D9651*E9644	0.003786	\$0.71
9652 Accounting & Finance Expense	D9652*E9644	0.007346	\$1.38
9653 Human Resources Expense	D9653*E9644	0.008294	\$1.56
9654 Information Management Expense	D9654*E9644	0.070887	\$13.33
9655 Intangibles	D9655*E9644	0.000000	\$0.00
9656 Total Other Direct Expenses	Sum(E9647:E9655)		\$51.14
9657			
9658 TELRIC	E9647+E9656		\$239.22
9659			
9660 Common			
9661 Executive Expense	D9661*E9658	0.011267	\$2.70
9662 Planning Expense	D9662*E9658	0.000525	\$0.13
9663 External Relations Expense	D9663*E9658	0.037846	\$9.05
9664 Legal Expense	D9664*E9658	0.004717	\$1.13
9665 Other Procurement Expense	D9665*E9658	0.001860	\$0.44
9666 Research & Development Expense	D9666*E9658	0.000006	\$0.00
9667 Other General and Admin Expense	D9667*E9658	0.015064	\$3.60
9668 Common Costs	Sum(E9661:E9667)		\$17.05
9669			
9670 TELRIC + Common Costs	E9658+E9668		\$256.27

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Cat. ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (								
Work them	Time Minutes	Prob #1	Prob	Prot	Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	В	Ċ	D	Ē	F	G B * (C Thru F)	Н	I H * (G/60)
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX								
*ADD*								
-COLLOCATION PROJECT_MANAGEMENT CENTER (CPMC)								
Check e-mail for UDF request - open file - review for completeness - save to desktop	2.0	1.000				2.00	\$56.97	\$1.90
Add basic data	0.5	1.000				0.50	\$56.97	\$0.47
Determine planner by using wire center information program	2.0	1.000				2.00	\$56.97	\$1.90
Add planner data to request and print Wire Center Information sheet	2.0	1.000				2.00	\$56.97	\$1.90
Compose and forward e-mail to planner - attach to request and forward to planner	2.0	1.000				2.00	\$56.97	\$1.90
Follow-up call with planner	15.0	1.000				15.00	\$56.97	\$14.24
Create virtual folders on desktop and move electronic data into folders	0.5	1.000				0.50	\$56.97	\$0.47
Print copy of e-mail to planner	2.0	1.000				2.00	\$56.97	\$1.90
Create physical folder and file	3.0	1.000				3.00	\$56.97	\$2.85
Enter request data into tracking system	5.0 5.0	1.000				5.00	\$56.97	\$4.75
Enter request data into tracking system	1.0	1.000				1,00	\$56.97	
Update response "due back" list	1.0	1.000				1.00	\$56.97	\$0.95 \$0.95
File physical folder	15.0	1.000						•
Venity status of planners response						15.00	\$56.97	\$14.24
Shared time for common phone calls, meetings, reports,	10.0	1.000				10.00	\$56.97	\$9.50
Receive and review response from planner	2.0	1.000				2.00	\$56.97	\$1.90
Add basic data	1.0	1.000				1.00	\$56.97	\$0.95
Compose and forward e-mail to ATR - attach to request and forward to ATR	2.0	1.000				2.00	\$56.97	\$1.90
Move file from desktop into results folder	0.5	1.000				0.50	\$56.97	\$0.47
Print copy of e-mail to ATR	2.0	1.000				2.00	\$56.97	\$1.90
Place copy of e-mail in physical folder	2.0	1.000				2.00	\$56.97	\$1.90
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC						70.50		\$66.94
-IOF TACTICAL PLANNER								
.5 prob is percent of time splice point inquiry made versus structure inquiry.								
2 probability assumes two central offices. No other data available.								
Verify records and planned IOF lobs								
Work with OSP Plant Engineering to determine if there are IOF fibers avail for MID POINT meet		15 0.500				7.50	\$46.18	\$5.77
Verify for spare IOF fibers if CO-CO fibers are required (time per Central Office analyzed)		15 0.500	2.000			15.00	\$46.18	\$11.55
Subtotal - IOF TACTICAL PLANNER						22.50		\$17.32
SUDIOIST - OF THE TICKE PERMITTED								Ψ17.32
-OUTSIDE PLANT ENGINEERING - PLANNING (OSP)								
CHECK CONDUIT AND INNERDUCT AVAILABILITY								
ALSO. CHECK LOCATION OF POI MANHOLE								
Check OSP (Outside Plant) records, identify const req., req field engr	19	50 1.000				150.00	\$51.76	\$129.40
Subtotal - OUTSIDE PLANT ENGINEERING - PLANNING (OSP)						150.00		\$129.40
Subloid: - Out Side Flag Engineening - Flagung (OSF)						130,00		9123.40

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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IRC	Vers	sion:	2.1	16
ח	late:	06/0	13/0	12

Time Prob Prob Prob Prob Prob Prob Prob Prob		Lation Mour Cost
A B C D E	F G ¯ B * (C Thru F)	H * (G/60)
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX (con't,	B (O fillat)	11 (0/00)
Total For Service:	243.00	\$213.66

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Time Vinutes B	Prob ## C	Prob #2 D	Prob #3 E	Prob M F	Applied Time (Minutes) G	Labor /Hour H	Cost
					B * (C Thru F)		H * (G/60)

# DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX (con't,

9767 Direct Cost 9768			\$213.86
9769	Coat	Cost	
9770	Calculation	Factor	Cost
9771	B C	D	E E
9772 Marketing & Business Fees			<u> </u>
9773 Product Management Expense	D9773*E9767	0.019957	\$4.26
9774 Sales Expense	D9774*E9767	0.013837	\$2.54
9775 Product Advertising Expense	D9775*E9767	0.000000	\$0.00
9776 Business Fees (Other Operating Taxes)	D9776*Sum(E9767:E9775)	0.001483	\$0.33
9777 Total Marketing & Business Fees	Sum(E9767;E9776)	0.001-100	\$7.13
9778			<u> </u>
9779 Sub-Total Direct Cost & Marketing	E9767+E9777		\$220,79
9780			<u> </u>
9781 Other Direct Expenses			
9782 Network Operations	D9782*E9779	0.034832	\$7.69
9783 Network Support Assets	D9783*E9779	0.014703	\$3.25
9784 General Support Assets	D9784*E9779	0.088742	\$19.59
9785 General Purpose Computers	D9785*E9779	0.043342	\$9.57
9786 Uncollectible	D9786*E9779	0.003786	\$0.84
9787 Accounting & Finance Expens∈	D9787*E9779	0.007346	\$1.62
9788 Human Resources Expense	D9788*E9779	0.008294	\$1.83
9789 Information Management Expense	D9789*E9779	0.070887	\$15.65
9790 Intangibles	D9790*E9779	0.000000	\$0.00
9791 Total Other Direct Expenses	Sum(E9782:E9790)		\$60.04
9792			
9793 <b>TELRIC</b>	E9782+E9791		\$280.82
9794			
9795 Common			
9796 Executive Expense	D9796*E9793	0.011267	\$3.16
9797 Planning Expens€	D9797°E9793	0.000525	\$0.15
9798 External Relations Expense	D9798*E9793	0.037846	\$10.63
9799 Legal Expense	D9799*E9793	0.004717	\$1.32
9800 Other Procurement Expense	D9800*E9793	0.001860	\$0.52
9801 Research & Development Expense	D9801*E9793	0.000006	\$0.00
9802 Other General and Admin Expense	D9802*E9793	0.015064	\$4.23
9803 Common Costs	Sum(E9796:E9802)		\$20.02
9804			
9805 TELRIC + Common Costs	E9793+E9803		\$300,84

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Nam	Minutes B	## C	#2 #3 #4 D E E	(Minutes)	<i>Mour</i> H	
^	•	C		B * (C Thru F)	п	н*
FIBER - FIELD VERIFICATION AND QUOTE PREPARATION						
OCATION PROJECT MANAGEMENT CENTER (CPMC)						
Check e-mail for UDF request - open file - review for completeness - save to desktop	2.0	1.000		2.00	\$56.97	
Add basic data	0.5	1.000		0.50	\$56.97	
Add planner data to request and print Wire Center Information sheet	2.0	1.000		2.00	\$56.97	
Compose and forward e-mail to planner - attach to request and forward to planner	2.0	1.000		2.00	\$56.97	
Follow-up call with planner	15.0	1.000		15.00	\$56.97	
Create virtual folders on desktop and move electronic data into folders	0.5	1.000		0.50	\$56.97	
Print copy of e-mail to planner	2.0	1.000		2.00	\$56.97	
Create physical folder and file	3.0	1.000		3.00	\$56.97	
Enter request data into tracking system	5.0	1.000		5.00	\$56.97	
Update response "due back" list	1.0	1.000		1.00	\$56.97	
File physical folder	1.0	1.000		1.00	\$56.97	
Verify status of planners response	15.0	1.000		15.00	\$56.97	
Shared time for common phone calls, meetings, reports,	10.0	1.000		10.00	\$56.97	
Receive and review response from planner	2.0	1.000		2.00	\$56.97	
Add basic data	1.0	1.000		1.00	\$56.97	
Compose and forward e-mail to ATR - attach to request and forward to ATR	2.0	1.000		2.00	\$56.97	
Move file from desktop into results folder	0.5	1.000		0.50	\$56.97	
Print copy of e-mail to ATR	2.0	1.000		2.00	\$56.97	
Place copy of e-mail in physical folder	2.0	1.000		2.00	\$56.97	
I - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC				68.50	· · ·	
IDE PLANT ENGINEERING - PLANNING (OSP)						
Receive and review request	10	1.000		10.00	\$51.76	
Access Database - TIRKS	15	1.000		15. <b>00</b>	\$51.76	
Access Database - ospfm/cimage	10	1.000		10.00	\$51.76	
Navigate to work location in OSPFM/CIMAGE and find work area	15	1.000		15.00	\$51.76	
Verify fiber counts still spare and available - check TIRKS data	30	1.000		30.00	\$51.76	
Verify fiber counts still spare and available - create work prints	60	1.000		60.00	\$51.76	
Verify fiber counts still spare and available - open and detail proposal in CPC	90	1.000		90.00	\$51.76	
Verify fiber counts still spare and available - prepare work package in CPD	30	1.000		30.00	\$51.76	
Send package to field engineer	.5	1.000		5.00	\$51.76	
Review returned information from field engr for modifications from actual or records errors	45	1.000		45.00	\$51.76	
Compile response to CPMC for field findings	30	1.000		30.00	\$51.76	
Send field verification info received from field engr to records center for OSP records update	15	1.000		15.00	\$51.76	

-OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work harr	Time Minutes	Prob	Proti	Prob Pro		Labor Mour	Cost
A	8	С	D	€ F	G B * (C Thru F)	Н	l H * (G/60)
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION (con't,							
Travel time in metro area Make field visit, verify/identify issues at the proposed location.	60 120	1.000 1.000			60.00 120.00	\$51.76 \$51.76	\$51.76 \$103.52
Subtotal - OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)					180.00		\$155.28
-IOF TACTICAL PLANNER  Assist Outside Plant Engineering as required .5 prob is percent of time splice point inquiry made versus structure inquiry.  Verify TIRKS and planned IOF job if OSP has difficulty in locating IOF fibers	15	0,500			7.50	\$46.18	\$5.77
Subtotal - IOF TACTICAL PLANNER				<del></del>	7.50		\$5.77
.5 prob is percent of time splice point inquiry made versus structure inquiry. Identify issues at the proposed location.	87	0.500			43.50	<b>\$42.68</b>	\$30.94
Subtotal - CMC					43.50		\$30.94
-SPLICER TEST  .5 prob is percent of time splice point inquiry made versus structure inquiry. 2 probability represents 2 splice technicians involvement and 2 fiber pairs.						_	
Travel time in metro area Setup for conformance test	60 150	0.500 0.500	2.000 2.000		60.00 15 <b>0.0</b> 0	\$42.68 \$42.68	\$42.68 \$106.70
Conformance test per fber	11	0.500	2.000	2.000	22.00	\$42.68	\$15.65
Subtotal - SPLICER TEST					232.00		\$165.03
Total For Service:					886.50		\$728.31

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Appiled Time (Minutes) G	Lebor Mour H	Coef
						B * (C Thru F)		H * (G/60)

# DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION (con't,

Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect	9902 Direct Cost			\$728.31
Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second				
9906   9907 Marketing & Business Fees   9908 Product Management Expense   9908 Product Management Expense   9908 Product Management Expense   9909 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Advertising Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9916 Product Expense   9917 Product Expense   9916 Product Expense   9917 Product Expense   9917 Product Expense   9917 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9919 Product Expense   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9929 Product   9	9904	Cost	Cost	
9906   9907 Marketing & Business Fees   9908 Product Management Expense   9908 Product Management Expense   99098 Espense   99099 Espense   99099 Espense   0.011957   \$14.54   9908 Product Advertising Expense   99910 PE9902   0.011877   \$3.68   9910 Product Advertising Expense   99910 PE9902   0.000000   \$0.00   9911 Business Fees (Other Operating Taxes)   99911 Esun(Espense: 99910   0.0001483   \$1.11   9912   Total Marketing & Business Fees   99911   \$24.30   9913   9914 Sub-Total Direct Cost & Marketing   9916   9917   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919   9919	9905	Calculation	Factor	Cost
9908   Product Management Expense   D9908*E9902   0.019357   \$14.54   9909   Sales Expense   D9909*E9902   0.011877   \$3.85   9910   Product Adventising Expense   D9910*E9902   0.000000   0.00000   9911   Business Fees (Other Operating Taxes)   D9911*Sum(E9902:E9910)   0.001483   \$1.11   9912   Total Marketing & Business Fees   Sum(E9902:E9911)   \$24.35   9913   Sub-Total Direct Cost & Marketing   E9902   E9912   \$752.61   9914   Sub-Total Direct Expenses   E9902*E9912   \$752.61   9915   Sub-Total Direct Expenses   E9902*E9914   0.004832   \$26.21   9916   Network Support Assets   D9918*E9914   0.014703   \$11.07   9919   General Support Assets   D9918*E9914   0.04332   \$32.62   9920   General Purpose Computers   D9920*E9914   0.003786   \$2.85   9921   Uncollectible   D9920*E9914   0.003786   \$2.85   9922   Accounting & Finance Expense   D9920*E9914   0.003786   \$2.85   9923   Human Resources Expense   D9922*E9914   0.003786   \$5.25   9924   Hormation Management Expense   D9923*E9914   0.002294   \$6.24   9925   Intangibles   D9925*E9914   0.00000   \$0.00   9926   Total Other Direct Expenses   D9925*E9914   0.00000   \$0.00   9926   Total Other Direct Expense   D9925*E9914   0.00000   \$0.00   9927   S928   PELRIC   E9917*E9925   \$204.65   9929   S929   S920   S920   S920   S920   S920   9930   Common   S930   Expense   D9931*E9928   0.0011267   \$10.79   9931   Executive Expense   D9931*E9928   0.000525   \$0.50   9932   Expense   D9933*E9928   0.007417   \$4.52   9933   Expense   D9933*E9928   0.007417   \$4.52   9934   Logal Expense   D9933*E9928   0.007417   \$4.52   9935   Common   D9931*E9938   0.011660   \$1.78   9936   Common   D9931*E9938   0.001660   \$1.78   9936   Common   D9931*E9938   0.001660   \$1.78   9936   Common   D9931*E9938   0.001660   \$1.78   9936   Common   D9931*E9938   0.001660   \$1.78   9936   Common   D9931*E9938   0.001660   \$1.78   9937   Other General and Admin Expense   D9933*E9938   0.01564   \$14.42   9938   Common   D9931*E9938   0.01564   \$14.42   9938   Common   D9931*E9938   0.01564	9906	вс	D	
9909 Sales Expense   D990*E9902	9907 Marketing & Business Fees			***************************************
9909 Sales Expense   D990*E9902	9908 Product Management Expense	D9908*E9902	0.019957	\$14.54
9910   Product Advertising Expense   D9911*Sum(E9902: E9910)   0.000000   S0.00     9911   Business Fees (Other Operating Taxes)   D9911*Sum(E9902: E9910)   0.001483   S1.11     9913   Sum   E9902* E9912   \$752.61     9914   Sub-Total Direct Cost & Marketing   E9902* E9912   \$752.61     9915   S916   Other Direct Expenses   S917* Network Operations   D9917*E9914   0.034832   \$26.21     9918   Network Support Assets   D9917*E9914   0.04703   \$11.07     9919   General Support Assets   D9919*E9914   0.08742   \$66.79     9920   General Support Assets   D9919*E9914   0.043342   \$32.62     9921   Uncollectible   D9921*E9914   0.003766   \$2.85     9922   Accounting & Finance Expense   D9921*E9914   0.007366   \$2.85     9923   Human Resources Expense   D9923*E9914   0.007346   \$5.53     9924   Human Resources Expense   D9923*E9914   0.006294   \$6.24     9925   Intangibles   D9923*E9914   0.006294   \$6.24     9926   Total Other Direct Expense   D9923*E9914   0.00000   \$0.00     9926   Total Other Direct Expense   D9923*E9914   0.00000   \$0.00     9926   Total Other Direct Expense   D9923*E9914   0.00000   \$0.00     9926   Total Other Direct Expense   D9923*E9914   0.00000   \$0.00     9927   S928   Extense   D9931*E9925   0.001660   \$1.078     9932   Extense   D9931*E9926   0.001660   \$1.078     9933   External Relations Expense   D9931*E9928   0.007846   \$36.23     9934   Legal Expense   D9931*E9928   0.007846   \$36.23     9935   Research & D9909ment Expense   D9933*E9928   0.007846   \$36.23     9936   Research & D9909ment Expense   D9933*E9928   0.001660   \$1.78     9936   Research & D9909ment Expense   D9933*E9928   0.001660   \$1.78     9936   Research & D9909ment Expense   D9933*E9928   0.001660   \$1.78     9936   Research & D9909ment Expense   D9933*E9928   0.001660   \$1.78     9936   Research & D9909ment Expense   D9933*E9937   0.00006   \$0.00     9937   Other General and Admin Expense   D9937*E9928   0.001660   \$1.44     9938   Research & D9909ment Expense   D9937*E9928   0.001660   \$1.78     99393   D9393   D93		D9909*E9902	0.011877	\$8.65
9911   Business Faes (Other Operating Taxes)   99911*Sum(E9902:E9910)   0.001483   \$1.11     9912   Total Marketing & Business Fees   Sum(E9902:E9911)   \$24.30     9913   \$1.9915   \$1.9916   \$1.9916   \$1.9917*E9912   \$752.61     9916   Other Direct Expenses   9917*E9914   0.034832   \$26.21     9918   Network Operations   99918*E9914   0.04703   \$11.07     9919   General Support Assets   99918*E9914   0.08274   \$66.78     9920   General Purpose Computers   9920*E9914   0.003786   \$32.62     9921   Uncollectible   99922*E9914   0.003786   \$2.85     9922   Accounting & Finance Expense   99922*E9914   0.003786   \$2.85     9923   Human Resources Expense   99922*E9914   0.007346   \$5.35     9924   Information Management Expense   99924*E9914   0.007387   \$53.35     9925   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9926   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9926   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9926   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9926   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9926   Total Other Direct Expenses   99924*E9914   0.00000   \$0.00     9927   9929   9930   \$0.0000   \$0.000     9931   Expense   9931*E9928   0.000525   \$0.50     9932   Planning Expense   99931*E9928   0.000525   \$0.50     9933   External Relations Expense   99933*E9928   0.000525   \$0.50     9934   Legal Expense   99933*E9928   0.001860   \$1.76     9935   Planning Expense   99933*E9928   0.001860   \$1.78     9936   Research & Development Expense   99935*E9928   0.001860   \$1.78     9936   Research & Development Expense   99935*E9928   0.001860   \$1.78     9937   Other General and Admin Expense   99937*E9928   0.001664   \$14.42     9938   Research & Development Expense   99937*E9928   0.00166   \$1.78     9939   Other General and Admin Expense   99937*E9928   0.00166   \$1.78     9939   99393   \$1.000000000000000000000000000000000000		D9910*E9902	0.000000	\$0.00
Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum   Sum		D9911*Sum(E9902;E9910)	0.001483	\$1.11
\$914   \$\frac{\text{Sub-Total Direct Cost & Marketing}}{\text{9915}}				\$24.30
9915 9916 Other Direct Expenses 9917 Network Operations 9918 Network Support Assets 9918 Network Support Assets 9918 Network Support Assets 9920 General Support Assets 9920 General Support Computers 9920 General Purpose Computers 9921 Uncollectible 9921 Uncollectible 9922 Accounting & Finance Expense 9923 Human Resources Expense 9924 Information Management Expense 9925 Intangibles 9926 Intangibles 9927 Intangibles 9927 Intangibles 9928 TELRIC 9928 TELRIC 9930 Common 9931 Executive Expense 9932 Planning Expense 9933 External Relations Expense 9933 External Relations Expense 9933 External Relations Expense 9933 External Relations Expense 9935 Other Procurement Expense 9936 Research & Development Expense 9937 Other Procurement Expense 9938 Gesearch & Development Expense 9938 Gesearch & Development Expense 9939 Planning Expense 9930 Common 9931 Executive Expense 9932 Planning Expense 9933 Petremal Relations Expense 9935 Research & Development Expense 9936 Research & Development Expense 9937 Expense 9938 Research & Development Expense 9938 Research & Development Expense 9939 Planning Expense 9939 Planning Expense 9939 Planning Expense 9939 Planning Expense 9939 Planning Expense 9939 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9931 Executive Expense 9932 Planning Expense 9933 Planning Expense 9936 Research & Development Expense 9937 Planning Expense 9938 Planning Expense 9939 Planning Expense 9939 Planning Expense 9939 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9930 Planning Expense 9931 Planning Expense 9932 Planning Expense 9933 Planning Expense 9934 Planning Expense 9935 Planning Expense 9936 Planning Expense 9937 Planning Expense 9938 Planning Expense 9939 Planning Expense 9939 Planning Expense 9930 Planning Expense 993	9913			
9916 Other Direct Expenses 9917 Network Operations 9918 Network Support Assets 9919 General Support Assets 9919 General Support Assets 9920 General Purpose Computers 9921 Uncollectible 9922 Accounting & Finance Expense 9922 Accounting & Finance Expense 9923 Human Resources Expense 9924 Information Management Expense 9924 Information Management Expense 9925 Intangibles 9926 Table Other Direct Expenses 9927 TELRIC 9930 TELRIC 9931 Executive Expense 9932 Expense 9933 External Relations Expense 9934 Legia Expense 9935 Planning Expense 9935 Planning Expense 9936 Research & D9932*E9928 9937 Other Procurement Expense 9938 Gommon 9931 Expense 9939 D9933*E9928 9930 Other Procurement Expense 9931 Expense 9932 Design Research & D9933*E9928 9933 Design Research & D9933*E9928 9934 Legia Expense 9935 Planning Expense 9936 Research & D9933*E9928 9937 Other General and Admin Expense 9938 Gommon Sum(E9931*E9928 9939 Other General and Admin Expense 9939 D9938*E09931*E9938 9939 Other General and Admin Expense 9939 Sum(E9931*E9938) 9939 9939	9914 Sub-Total Direct Cost & Marketing	E9902+E9912		\$752.61
9917 Network Operations 9918 Network Support Assets 9919 General Support Assets 9919 General Support Assets 9920 General Purpose Computers 9920 General Purpose Computers 9921 Uncollectible 9922 Accounting & Finance Expense 9922 Accounting & Finance Expense 9923 Human Resources Expense 9924 Information Management Expense 9925 Interpolate Direct Expense 9926 [Total Other Direct Expenses 9927 9928 TELRIC 9929 9930 Common 9931 Executive Expense 9932 Planning Expense 9932 Planning Expense 9932 Planning Expense 9932 Planning Expense 9932 Planning Expense 9933 External Relations Expense 9934 Equal Relations Expense 9935 Other Procurement Expense 9936 Research & De993*E9928 9937 Other General and Admin Expense 9938 Common Costs 9938 Common Costs 9938 Common Costs 9939 9939 9939 9939 9939 9939 9939 9	9915			
9918 Network Support Assets 9918 General Support Assets 9920 General Support Assets 9920 General Purpose Computers 9921 Uncollectible 9922 Accounting & Finance Expense 9922 Accounting & Finance Expense 9923 Human Resources Expense 9924 Information Management Expense 9924 Information Management Expense 9925 Intangibles 9926 Total Other Direct Expenses 9927 9927 9927 9928 TELRIC 9930 Common 9931 Executive Expense 9932 Planning Expense 9932 Planning Expense 9933 External Relations Expense 9934 Legal Expense 9935 Cher Procurement Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9938 Common Expense 9939 Development Expense 9930 Development Expense 9931 Executive Expense 9932 Planning Expense 9933 External Relations Expense 9935 Cher Procurement Expense 9936 Planning Expense 9937 Other General and Admin Expense 9938 Common Costs 9938 Common Costs 9938 Common Costs 9938 Common Costs 99398 Common Expense 99398 Development Expense 99398 Development Expense 99398 Development Expense 99398 Development Expense 99398 Development Expense 99398 Sum(E9931:E9937) 9938 Sum(E9931:E9937) 9939999939	9916 Other Direct Expenses			
9919 General Support Assets       D9919*E9914       0.088742       \$66.79         9920 General Purpose Computers       D9920*E9914       0.043342       \$32.65         9921 Uncollectible       D9921*E9914       0.003786       \$2.85         9922 Accounting & Finance Expense       D9922*E9914       0.007346       \$5.53         9923 Human Resources Expense       D9923*E9914       0.00294       \$6.24         9924 Information Management Expense       D9924*E9914       0.07087       \$53.35         9925 Intangibles       D9925*E9914       0.00000       \$5.00         9926 Total Other Direct Expenses       Sum(E9917*E9925)       \$204.66         9928 Yellow Direct Expenses       Sum(E9917*E9926       \$857.27         9929 Yellow Direct Expenses       \$9930 Common       \$9931 Executive Expense       0.001267       \$10.79         9932 Planning Expense       D9931*E9928       0.001267       \$10.79         9933 External Relations Expense       D9933*E9928       0.007416       \$36.23         9934 Legal Expense       D9933*E9928       0.004717       \$4.52         9935 Other Procurement Expense       D9935*E9928       0.004717       \$4.52         9936 Research & Development Expense       D9935*E9928       0.001860       \$1.78	9917 Network Operations	D9917*E9914	0.034832	\$26.21
9920 General Purpose Computers         D9920*E9914         0.043342         \$32.62           9921 Uncollectible         D9921*E9914         0.003786         \$2.85           9922 Accounting & Finance Expense         D9922*E9914         0.007346         \$5.53           9923 Human Resources Expense         D9923*E9914         0.008294         \$6.24           9924 Information Management Expense         D9924*E9914         0.070887         \$53.35           9925 Intangibles         D9925*E9914         0.00000         \$0.00           9926 Tatal Other Direct Expenses         Sum(E9917:E9925)         \$204.66           9927         Sum(E9917:E9925)         \$204.66           9928 TELRIC         E9917+E9926         \$957.27           9929         P9393         Common         P931*Es928         0.011267         \$10.79           9932 Planning Expense         D9931*E9928         0.011267         \$10.79           9933 External Relations Expense         D9932*E9928         0.003746         \$36.23           9934 Legal Expense         D9933*E9928         0.004717         \$4.52           9935 Other Procurement Expense         D9936*E9928         0.001660         \$1.78           9936 Research & Development Expense         D9936*E9928         0.015064         \$14.42	9918 Network Support Assets	D9918*E9914	0.014703	\$11.07
9921 Uncollectible   D9921*E9914   0.003786   \$2.85     9922 Accounting & Finance Expense   D9923*E9914   0.007346   \$5.53     9923 Human Resources Expense   D9923*E9914   0.008294   \$6.24     9924 Information Management Expense   D9924*E9914   0.008294   \$53.35     9925 Intangibles   D9925*E9914   0.000000   \$0.00     9926   Total Other Direct Expense   D9925*E9914   0.000000   \$0.00     9927	9919 General Support Assets	D9919*E9914	0.088742	\$66.79
9922 Accounting & Finance Expense   D9922*E9914   0.007346   \$5.53     9923 Human Resources Expense   D9923*E9914   0.008294   \$6.24     9924 Information Management Expense   D9924*E9914   0.070887   \$53.35     9925 Intangibles   D9925*E9914   0.000000   \$0.00     9926   Total Other Direct Expense   Sum(E9917:E9925)   \$204.66     9927   9928   TELRIC   E9917+E9926   \$957.27     9930   Common   9931   Executive Expense   D9931*E9928   0.011267   \$10.79     9932 Planning Expense   D9932*E9928   0.000525   \$0.50     9933   External Relations Expense   D9933*E9928   0.037846   \$36.24     9934   Espense   D9934*E9928   0.004717   \$4.52     9935   Other Procurement Expense   D9935*E9928   0.001860   \$1.78     9936   Research & Development Expense   D9936*E9928   0.00006   \$0.01     9937   Other General and Admin Expense   D9937*E9928   0.00006   \$0.01     9939   Common   Costs   D9937*E9928   0.015064   \$14.42     9939   Common   Costs   D9937*E9928   0.015064   \$14.42     9939   Common Costs   D9937*E9928   0.015064   \$14.42     9939   Common Costs   D9937*E9928   0.015064   \$14.42     9939   Common Costs   D9937*E9928   0.015064   \$14.42     9939   Common   D9939   D9937*E9937   S66.24     9939   Common   D9939   D9939   D9939   D9939   D9939   D9939     9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939     9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D9939   D993	9920 General Purpose Computers	D9920*E9914	0.043342	\$32.62
9923   Human Resources Expense   D9923*E9914   0,008294   \$6.24     9924   Information Management Expense   D9924*E9914   0,070887   \$53.35     9925   Intangibles   D9925*E9914   0,000000   \$0.00     9926   Total Other Direct Expenses   Sum(E9917:E9925)   \$204.66     9927   9928   TELRIC   E9917*E9926   \$957.27     9929   9930   Common	9921 Uncollectible	D9921*E9914	0.003786	\$2.85
9924 Information Management Expense         D9924*E9914         0.070887         \$53.35           9925 Intangibles         D9925*E9914         0.000000         \$0.00           9926 Total Other Direct Expenses         Sum(E9917:E9925)         \$204.66           9927         9928 TELRIC         E9917+E9926         \$957.27           9929         9930 Common         \$931 Executive Expense         D9931*E9928         0.011267         \$10.79           9932 Planning Expense         D9932*E9928         0.000525         \$0.50           9933 External Relations Expense         D9933*E9928         0.037846         \$36.20           9934 Legal Expense         D9934*E9928         0.004717         \$4.52           9935 Other Procurement Expense         D9935*E9928         0.001860         \$1.78           9936 Research & Development Expense         D9936*E9928         0.000006         \$0.01           9937 Other General and Admin Expense         D9937*E9928         0.015064         \$14.42           9939         Common Costs         Sum(E9931:E9937)         \$66.24	9922 Accounting & Finance Expense	D9922*E9914	0.007346	\$5.53
9925 Intangibles	9923 Human Resources Expense	D9923*E9914	0.008294	\$6.24
9928 Total Other Direct Expenses 9927 9928 TELRIC 9929 9930 Common 9931 Executive Expense 9932 Planning Expense 9932 Planning Expense 9932 Planning Expense 9934 Expense 9934 Expense 9935 External Relations Expense 9934 Legal Expense 9934 Legal Expense 9935 Other Procurement Expense 9936 Research & Development Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9939 9939 9939 9939	9924 Information Management Expense	D9924*E9914	0.070887	\$53.35
9927 9928 TELRIC 9929 9930 Common 9931 Executive Expense 9932 Planning Expense 9932 Planning Expense 9933 External Relations Expense 9934 Legal Expense 9935 Other Procurement Expense 9935 Other Procurement Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9939 9939 9939	9925 Intangibles	D9925*E9914	0.000000	\$0.00
9928 TELRIC         E9917+E9926         \$957.27           9929         9930 Common         \$931 Executive Expense         \$932 Executive Expense         \$0.001267         \$10.79           9932 Planning Expense         \$9932*E9928         \$0.000525         \$0.50           9933 External Relations Expense         \$9933*E9928         \$0.037846         \$36.23           9934 Legal Expense         \$9934*E9928         \$0.004717         \$4.52           9935 Other Procurement Expense         \$9935*E9928         \$0.001660         \$1.78           9936 Research & Development Expense         \$9936*E9928         \$0.00006         \$0.01           9937 Other General and Admin Expense         \$9937*E9928         \$0.015064         \$14.42           9938 Common Costs         \$um(E9931:E9937)         \$66.24	9926 Total Other Direct Expenses	Sum(E9917:E9925)		\$204.66
9929 9930 Common 9931 Executive Expense 9932 Planning Expense 9933 External Relations Expense 9934 Legal Expense 9935 Other Procurement Expense 9936 Research & Development Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9939 9938 Common Costs	9927			
9930 Common 9931 Executive Expense 9932 Planning Expense 9932 Planning Expense 9933 External Relations Expense 9934 Legal Expense 9934 Legal Expense 9935 Other Procurement Expense 9936 Research & Development Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9938  Sum(E9931:E9937)  \$ 10.01267 \$10.79 \$ 10.79 \$ 30.50 \$ 30.00006 \$ 30.01 \$ 31.42 \$ 9938		E9917+E9926		\$957.27
9931 Executive Expense         D9931*E9928         0.011267         \$10.79           9932 Planning Expense         D9932*E9928         0.000525         \$0.50           9933 External Relations Expense         D9933*E9928         0.037846         \$36.23           9934 Legal Expense         D9934*E9928         0.004717         \$4.52           9935 Other Procurement Expense         D9935*E9928         0.001860         \$1.78           9936 Research & Development Expense         D9936*E9928         0.000006         \$0.01           9937 Other General and Admin Expense         D9937*E9928         0.015064         \$14.42           9938 Common Costs         Sum(E9931:E9937)         \$68.24           9939         \$68.24	9929			
9932 Planning Expense         D9932*E9928         0.000525         \$0.50           9933 External Relations Expense         D9933*E9928         0.037846         \$36.23           9934 Legal Expense         D9934*E9928         0.004717         \$4.52           9935 Other Procurement Expense         D9935*E9928         0.001860         \$1.78           9936 Research & Development Expense         D9936*E9928         0.000006         \$0.01           9937 Other General and Admin Expense         D9937*E9928         0.015064         \$14.42           9938 Common Costs         Sum(E9931:E9937)         \$68.24           9939	9930 Common			
9933 External Relations Expense	9931 Executive Expense	D9931*E9928	0.011267	\$10.79
9934 Legal Expense         D9934*E9928         0.004717         \$4.52           9935 Other Procurement Expense         D9935*E9928         0.001860         \$1.78           9936 Research & Development Expense         D9936*E9928         0.000006         \$0.01           9937 Other General and Admin Expense         D9937*E9928         0.015064         \$14.42           9938 [Common Costs         Sum(E9931:E9937)         \$68.24           9939         Sum(E9931:E9937)         \$68.24	9932 Planning Expense	D9932*E9928	0.000525	\$0.50
9935 Other Procurement Expense 9936 Research & Development Expense 9937 Other General and Admin Expense 9938 Common Costs 9939 Sum(E9931:E9937) \$68.24	9933 External Relations Expens∈	D9933*E9928	0.037846	\$36.23
9936 Research & Development Expense D9936*E9928 0.000006 \$0.01 9937 Other General and Admin Expense D9937*E9928 0.015064 \$14.42 9938 Common Costs Sum(E9931:E9937) \$68.24	9934 Legal Expense	D9934*E9928	0.004717	\$4.52
9937 Other General and Admin Expense D9937*E9928 0.015064 \$14.42 9938 Common Costs Sum(E9931:E9937) \$68.24	9935 Other Procurement Expense	D9935*E9928	0.001860	\$1.78
9938 Common Costs Sum(E9931:E9937) \$68.24 9939	9936 Research & Development Expense	D9936*E9928	0.000006	\$0.01
9939		D9937*E9928	0.015064	\$14.42
		Sum(E9931:E9937)		\$68.24
9940 TELRIC + Common Costs E9928+E9938 \$1,025.51				
	9940 TELRIC + Common Costs	E9928+E9938		\$1,025.51

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Barn	Time Minutes	Prob #1	Prob #2	Prob #3	Prob 84	Applied Time (Minutes)	Labor /Hour	Cost
X	В	Ċ	Ď	Ē	F	G B * (C Thru F)	H	H * (G/60)
DARK FIBER - ENGINEER VERIFICATION								
*ADD*								
-OUTSIDE PLANT ENGINEERING (OSP) - PLANNING  Check records for available splice to connect dead fiber to live spare fiber	120	1.000				120.00	\$51.76	\$103.52
Subtotal - OUTSIDE PLANT ENGINEERING (OSP) - PLANNING				<del>-</del>		120.00		\$103,52
-OUTSIDE PLANT ENGINEERING (OSP) - TACTICAL PLANNING								
Receive and review request	10	1.000				10.00	\$51.76	\$8.63
Access TIRKS	15	1.000				15.00	\$51.76	\$12.94
Access OSPFM/CIMAGE	10	1.000				10.00	\$51.76	\$8.63
Navigate to work location in OSPFM/CIMAGE and find work area	15	1.000				15.00	\$51.76	\$12.94
Verify fiber counts still spare and available, check TIRKS data	30	1.000				30.00	\$51.76	\$25.88
Locate splices for connectivity	60	1.000				60.00	\$51.76	\$51.76
Complie response to CPMC of field findings	30	1.000				30.00	\$51.76	\$25.88
Subtotal - OUTSIDE PLANT ENGINEERING (OSP) - TACTICAL PLANNING						170.00		\$146.65
Total For Service:						290.00		\$250.17

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Work hem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour Cost	
A	В	- C-		E	F	G	Н	
						B * (C Thru F)	H * (G/6	J)

# DARK FIBER - ENGINEER VERIFICATION (con't,

9992 Direct Coet			\$25Q.17
9993			
9994	Cost	Cost	
9995	Calculation	Factor	Cost
9996	ВС	Ð	E
9997 Marketing & Business Fees			
9998 Product Management Expense	D9998*E9992	0.019957	\$4.99
9999 Sales Expense	D9999*E9992	0.011877	\$2.97
10000 Product Advertising Expense	D10000*E9992	0.000000	\$0.00
10001 Business Fees (Other Operating Taxes)	D10001*Sum(E9992:E10000)	0.001483	\$0.38
10002 Total Marketing & Business Fees	Sum(E9992;E10001)		\$8.35
10003			
10004 Sub-Total Direct Cost & Marketing	E9992+E10002		\$258.52
10005			
10006 Other Direct Expenses			
10007 Network Operations	D10007*E10004	0.034832	\$9.00
10008 Network Support Assets	D10008*E10004	0.014703	\$3.80
10009 General Support Assets	D10009°E10004	0.088742	\$22.94
10010 General Purpose Computers	D10010*E10004	0.043342	\$11.20
10011 Uncollectible	D10011*E10004	0.003786	\$0.98
10012 Accounting & Finance Expense	D10012*E10004	0.007346	\$1.90
10013 Human Resources Expense	D10013*E10004	0.008294	\$2.14
10014 Information Management Expense	D10014*E10004	0.070887	\$18.33
10015 Intangibles	D10015*E10004	0.000000	\$0.00
10016 Total Other Direct Expenses	Sum(E10007:E10015)		\$70.30
10017			
10018 TELRIC	E10007+E10016		\$328.82
10019			<del></del>
10020 Common			
10021 Executive Expense	D10021*E10018	0.011267	\$3.70
10022 Planning Expense	D10022*E10018	0.000525	\$0.17
10023 External Relations Expense	D10023*E10018	0.037846	\$12.44
10024 Legal Expense	D10024*E10018	0.004717	\$1.55
10025 Other Procurement Expense	D10025*E10018	0.001860	\$0.61
10026 Research & Development Expense	D10026*E10018	0.000006	\$0.00
10027 Other General and Admin Expense	D10027*E10018	0.015064	\$4.95
10028 Common Costs	Sum(E10021:E10027)		\$23.44
10029			
10030 TELRIC + Common Costs	E10018+E10028		\$352.26

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Subtotal - DESIGN (KATHY PLATTS )

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\$46.53

63.00

State: South Dakota								
	Work flem	Time Minules	Prob #1	Prob Pri		Applied Time (Minutes)	Labor Mour	Cosi
	A	В	С	D E	F	G B*(CThruF)	H	H * (G/60)
DARK FIBER NRC PER OCCURREN	CE. PER ROUTE - FIRST FIBER STR	AND OR PAIR						
*ADD*	<b>,</b> ,							
-SERVICE DELIVERY COORDINATO	B							
.90 PROBABILITY OF ASRs A								
.10 PROBABILITY OF ASRs A								
.65 PROBABILITY OF TIME M	IANUALLY HANDLED		•					
.35 PROBABILITY OF TIME M								
RECEIVE ASR MECHANICALI	LY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX		10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	NTV	10	1.000			10.00	\$40.03	\$6.67
CHECK CREDIT INFO/SECUP TIRKS	RIIY	2 3	1.000 1.000			2.00 3.00	\$40.03 \$40.03	\$1.33 \$2.00
TIRKS			1.000			5.00	\$40.03	\$2.00 \$3.34
VALIDATE ADDRESS IN TAG		3	1.000			3.00	\$40.03	\$2.00
VALIDATE CONTRACT RATE		3	1.000			3.00	\$40.03	\$2.00
VERIFY LOA	_	5	0.650			3.25	\$40.03	\$2.17
COORDINATE AS ICO		8	0.350			2.80	\$40.03	\$1.87
INTRA COMPANY CALLS		13	1.000			13.00	\$40.03	\$8.67
MECHANICAL FOC		1	0.900			0.90	\$40.03	\$0.60
MANUALLY FOC		6	0.100			0.60	\$40.03	\$0.40
DISTRIBUTE THE ORDER TO		1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE OR		6	1.000 1.000			6.00	\$40.03 \$40.03	\$4.00
DISTRIBUTE SERVICE ORDE CHECK SOAC	H IO THE SOPS	1 3	1.000			1.00 3.00	\$40.03 \$40.03	\$0.67 \$2.00
CHECK SOAC CHECK WFA		3 3	1,000			3.00	\$40.03	\$2.00 \$2.00
CHECK HABS SERVICE ORDE	:B	5	1.000			5.00	\$40.03	\$2.00 \$3.34
COMPLETE IABS SERVICE O		1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT		1	1.000			1.00	\$40.03	\$0.67
NOTE EXACT		2	1.000			2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDIN	ATOR					71.45		\$47.67
-DESIGN (KATHY PLATTS )								
Order handling/screening		5	1.000			5.00	\$44.31	\$3.69
GOC (Generic Order Control) o	order log	6	1.000			6.00	\$44.31	\$4.43
Enter WA (Work Authorization)	mask	5	1.000			5.00	\$44.31	\$3.69
Prepare loop input/DRI (Design	Related Information;	15	1.000			15.00	\$44.31	\$11.08
Circuit design		30	1.000			30.00	\$44.31	\$22.16
Distribute WORD (Work Order I	Record Detail) doc	2	1.000			2.00	\$44.31	\$1.48

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		45				
Work/tem	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor /Hour	Cost
A	В	Ċ	<del>D E F</del>	G	H	
				B * (C Thru F)	••	H * (G/60)
				, ,		. ,
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't,						
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)						
2 probability is number of technicians dispatched						
Screen order	2	2.000		4.00	\$37.78	\$2.52
Load work request to technician	5	2.000		10.00	\$37.78	\$6.30
Close out work request with technician	3	2.000		6.00	\$37.78	\$3.78
	<u> </u>					
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,				20.00		\$12.59
-FIELD INSTALLATION						
2 probability is number of technicians dispatched						
ANALYZE ORDER	5	2.000		10.00	\$42.68	\$7.11
TRAVEL TIME TO CUSTOMER LOCATIONS - 2 LOCATIONS	21	2.000		42.00	\$42.68	\$29.88
LOCATE TERMINAL - 2 LOCATIONS	15	2.000		30.00	\$42.68	\$21.34
TEST FIBER - 2 TERMINATING LOCATIONS	30	2.000		60.00	\$42.68	\$42.68
TAG FIBER PAIRS - 2 LOCATIONS	5	2.000		10.00	\$42.68	\$7.11
NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)	5	1.000		5.00	\$42.68	\$3.56
Subtotal - FIELD INSTALLATION				157.00		\$111.68
SUDJOIN - FIELD INSTALLATION		<del></del>		137.00		\$(11.00
-SERVICE DELIVERY IMPLEMENTOR (LINDA HENDRICKS)						
Screen WFA (Work Force Administration) for circuit	10	1.000		10.00	\$43.81	\$7.30
Verify LNO (Local Network Operation) completion	10	1.000		10.00	\$43.81	\$7.30
Notify customer	5	1.000		5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	10	1.000		10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR (LINDA HENDRICKS				35.00		\$25.56
			<del></del>			420.00
*DISCONNECT*						
-SERVICE DELIVERY COORDINATOR						
.90 PROBABILITY OF ASRS ARE MECHANICAL						
.10 PROBABILITY OF ASRS ARE MECHANICAL .10 PROBABILITY OF ASRS ARE MANUALLY HANDLED						
.03 PROBABILITY ARE MANUALLY HANDLED						
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	<b>e</b> 0 e0
RECEIVE ASR MECHANICALLY RECEIVE ASR VIA FAX	10	0.900		1.00	\$40.03	\$0.60 \$0.67
VERIFY TAXI	5	1.000		5.00	\$40.03	\$0.67 \$3.34
VALIDATE ASR IN EXACT	5	1.000		5.00 5.00	\$40.03	\$3.34 \$3.34
VALIDATE IN TIRKS	3 9	0.030	•	0.09	\$40.03	\$3.34 \$0.06
INTRA-COMPANY CALLS		1,000		5.00	\$40.03	\$0.06 \$3.34
MECHANICAL FOC	9	0.900			\$40.03	
MANUAL FOC		0.900		0.90	\$40.03 \$40.03	\$0.60
DISTRIBUTE THE ORDER TO IABS	0	1.000		0.60		\$0.40
	<u> </u>	1.000		1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	Þ	1.000		5.00	\$40.03	\$3.34

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Mode					
A   B   C   B   C   Thru F   H * (G/60)		Time	Prob	Prob Prob Prob Applied Time	Labor
DISTRIBUTE SERVICE ORDER TO THE SOPS	A A	В	C		
DISTRIBUTE SERVICE ORDER TO THE SOPS				B * (C Thru F)	H * (G/60)
DISTRIBUTE SERVICE ORDER TO THE SOPS	DARK SIRED NRC DER OCCHRRENCE DER BOUTE - SIRST SIRER STRAND OR PAIR (con't				
CHECK SOAC CHECK WFA 3 1.000 CHECK WFA 3 1.000 CHECK LABS SERVICE ORDER 5 1.000 CHECK LABS SERVICE ORDER 1 1.000 1.00 \$40.03 \$3.34 COMPLETE LABS SERVICE ORDER 1 1.000 1.00 \$40.03 \$3.34 COMPLETE LABS SERVICE ORDER 1 1.000 1.00 \$40.03 \$3.34 COMPLETE LABS SERVICE ORDER 1 1.000 1.00 \$40.03 \$3.37 COMPLETE EXACT 2 1.000 2.00 \$40.03 \$3.37 SUBJECT SERVICE DELIVERY COORDINATOR	DANK FIBER NITO PER OCCURRENCE, PER HOUTE - FIRST FIBER STRAID OR FAIR (COIT),				
CHECK WFA  CHECK WFA  CHECK WBS SERVICE ORDER  CHECK WBS SERVICE ORDER  CHECK WBS SERVICE ORDER  1 1,000  1,00 \$40,03 \$3,34 COMPLETE LASS SERVICE ORDER  1 1,000  1,00 \$40,03 \$0,67 COMPLETE EXACT  NOTE EXACT  NOTE EXACT  NOTE EXACT  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY COORDINATOR  SERVICE DELIVERY MEDICAL COORDINATOR  SERVICE DELIVERY MEDICAL COORDINATOR CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL COORDINATOR CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL COORDINATOR CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE  SERVICE DELIVERY MEDICAL CONTROL OF SERVICE	DISTRIBUTE SERVICE ORDER TO THE SOPs	1		1.00	
CHECK IABS SERVICE ORDER  COMPLETE RANCE (1 1,000)  COMPLETE RANCE (1 1,000)  COMPLETE RANCE (1 1,000)  COMPLETE RANCE (1 1,000)  COMPLETE RANCE (1 1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)  SOUTH (1,000)		3			
COMPLETE EXACT		3			
COMPLETE EXACT   1 1,000   1.00   340.03   \$0.67   NOTE EXACT   2 1,000   2.00   \$40.03   \$1.33   \$1.55   \$1.000   \$2.00   \$40.03   \$1.33   \$1.55   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.000   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$1.0000		5			
Subtotal - SERVICE DELIVERY COORDINATOR   1.000   2.00   \$40.03   \$1.33					
DESIGN (KATHY PLATS)   Order handling/screening   5   1.000   5.00   544.31   53.66     GCC (Generic Order Control) order log   6   1.000   5.00   544.31   53.66     GCC (Generic Order Control) mask   5   1.000   5.00   544.31   53.66     Disconnect circuit   5   1.000   5.00   544.31   53.66     Disconnect circuit   5   1.000   5.00   544.31   53.68     Disconnect circuit   5   1.000   2.00   544.31   53.68     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   544.31   51.48     Subtoial - DESIGN (KATHY PLATS)   23.00   516.39     -LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   37.78   52.52     Probability is number of technician   5   2.000   30.00   537.78   53.78     Subtoial - LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   510.00   510.00     Subtoial - LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   510.00   510.00     Subtoial - LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   510.00   512.59     FIELD INSTALLATION   2   2.000   4.00   537.78   53.78     Subtoial - LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   4.00   537.78   53.78     FIELD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   4.00   542.88   57.11     COATE TERMINAL - LOAD RESQUIRCE ADMINISTRATION CENTER (LRAC)   2   2.000   4.00   542.88   57.11     RELUCTION   2   2.000   4.00   542.88   57.11     RAMEL TIME TO CUSTOMER LOCATIONS   2   2.000   4.00   542.88   53.60     COATE TERMINAL - LOCATIONS   5   2.000   10.00   542.88   57.11     REMOVE FIBER PAIRS TAGS - 2.00CATIONS   5   2.000   10.00   542.88   57.11     REMOVE FIBER PAIRS TAGS - 2.00CATIONS   5   2.000   10.00   542.88   57.11     SUBTOMER FIELD MISTALLATION   5   1.000   5.00   543.81   53.65     SUBTOMER FIELD MISTALLATION   5   1.000   5.00   543.81   53.65     SUBTOMER FIELD MISTALLATION   5   1.000   5.00   543.81   53.65     SUBTOMER FIELD MISTALLATION   5   1.000   5.00   543.81   53.65     COMBUST FIELD MISTALLATION   5   1.000   5.00   543.81   53.65     SUBTOMER FIELD MISTALLATION   5   1.000		2			
DESIGN (KATHY PLATTS)   Order handling/screening   5   1.000   5.00   \$44.31   \$3.69     GCC (Geneire Order Control) order log   6   1.000   5.00   \$44.31   \$3.69     Enter WA (Work Authorization) mask   5   1.000   5.00   \$44.31   \$3.69     Disconnect circuit   5   1.000   5.00   \$44.31   \$3.69     Discribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Preference Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Preference Detail) doc   2   1.000   2.00   \$44.31   \$3.69     Distribute WORD (Work Preference Detail) doc   2   1.000   2.00   \$37.78   \$3.78     Distribute WORD (Work Preference Detail) doc   2   2.000   2.00   \$37.78   \$3.78     Distribute WORD (Work Preference Detail) doc   2   2.000   2.00   \$3.78   \$3.78     Distribute WORD (Work Preference Detail) doc   2   2.000   2.00   \$42.68   \$3.71     Distribute WORD (Work Preference Detail) doc   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2.000   3   2			1.500		•
Order handling/screening	Subtotal - SERVICE DELIVERY COORDINATOR			40.49	\$27.01
Order handling/screening	-DESIGN (KATHY PLATTS)				
Enter WA (Work Authorization) mask		5	1.000	5.00	\$44.31 \$3.69
Disconnect circuit   5   1.000   5.00   \$44.31   \$3.89   Distribute WORD (Work Order Record Detail) doc   2   1.000   2.00   \$44.31   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48   \$1.48		_		6.00	
Distribute WORD (Work Order Record Detail) doc   2   1,000   200   \$44.31   \$1.48				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Subtotal - DESIGN (KATHY PLATTS)   23.00   \$16.99		_		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	*
LOAD RESOURCE ADMINISTRATION CENTER (LRAC)   2 probability is number of technicians dispatched   2   2,000   4,00   \$37.78   \$2.52     Load work request to technician   5   2,000   10,00   \$37.78   \$5.30     Close out work request with technician   3   2,000   6.00   \$37.78   \$3.78     Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC)   20,00   \$12.59    -FIELD INSTALLATION   2   2,000   20,00   \$12.59    -FIELD INSTALLATION   2   2,000   2,000   \$12.59    -FIELD INSTALLATION   2   2,000   2,000   2,000   2,000    -FIELD INSTALLATION   2   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000   2,000	Distribute WORD (Work Order Record Detail) doc	2	1.000	2.00	\$44.31 \$1.48
2 probability is number of technicians dispatched   2   2,000   327.78   \$2.52   \$2.004   \$2.004   \$37.78   \$2.52   \$2.004   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3	Subtotal - DESIGN (KATHY PLATTS)		··-	23.00	\$16.99
2 probability is number of technicians dispatched   2   2,000   327.78   \$2.52   \$2.004   \$2.004   \$37.78   \$2.52   \$2.004   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3.005   \$3	LOAD DECAUDE ADMINISTRATION CENTED (LDAG)				
Screen order					
Load work request to technician   5   2,000   10,00   \$37.78   \$6.30   \$3.200   \$6.00   \$37.78   \$3.78   \$6.30   \$3.200   \$6.00   \$37.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$3.78   \$		2	2.000	4.00	\$37.78 \$2.52
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,					
-FIELD INSTALLATION  2 probability is number of technicians dispatched  ANALYZE ORDER 5 2.000 10.00 \$42.68 \$7.11 TRAVEL TIME TO CUSTOMER LOCATIONS 21 2.000 42.00 \$42.68 \$29.88 LOCATE TERMINAL - 2 LOCATIONS 15 2.000 30.00 \$42.68 \$21.34 REMOVE FIBER PAIRS TAGS - 2 LOCATIONS 5 2.000 10.00 \$42.68 \$7.11 NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA) 5 1.000 5.00 \$42.68 \$7.15 Subtotal - FIELD INSTALLATION  -SERVICE DELIVERY IMPLEMENTOR Screen WFA (Work Force Administration) for circuit 5 1.000 5.00 \$43.81 \$3.65 Complete circuit in WFA/C (Work Force Administration - Control Module) 5 1.000 5 5.00 \$43.81 \$3.65	Close out work request with technician	3	2.000	6.00	\$37.78 \$3.78
-FIELD INSTALLATION  2 probability is number of technicians dispatched  ANALYZE ORDER 5 2.000 10.00 \$42.68 \$7.11 TRAVEL TIME TO CUSTOMER LOCATIONS 21 2.000 42.00 \$42.68 \$29.88 LOCATE TERMINAL - 2 LOCATIONS 15 2.000 30.00 \$42.68 \$21.34 REMOVE FIBER PAIRS TAGS - 2 LOCATIONS 5 2.000 10.00 \$42.68 \$7.11 NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA) 5 1.000 5.00 \$42.68 \$7.15 Subtotal - FIELD INSTALLATION  -SERVICE DELIVERY IMPLEMENTOR Screen WFA (Work Force Administration) for circuit 5 1.000 5.00 \$43.81 \$3.65 Complete circuit in WFA/C (Work Force Administration - Control Module) 5 1.000 5 5.00 \$43.81 \$3.65	Substal LOAD RESOURCE ADMINISTRATION CENTER (LRAC			20 00	\$12 50
2 probability is number of technicians dispatched	STREET, FOUR LEGISLIAN LINE LINE CONTROL LEGISLA				912.00
ANALYZE ORDER TRAVEL TIME TO CUSTOMER LOCATIONS - 2 LOCATIONS LOCATE TERMINAL - 2 LOCATIONS - 2 LOCATIONS 15 2.000 10.00 \$42.68 \$29.88 LOCATE TERMINAL - 2 LOCATIONS 15 2.000 10.00 \$42.68 \$21.34 REMOVE FIBER PAIRS TAGS - 2 LOCATIONS 5 2.000 10.00 \$42.68 \$7.11 NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA) 5 1.000 5.00 \$42.68 \$3.56  Subtotal - FIELD INSTALLATION -SERVICE DELIVERY IMPLEMENTOR Screen WFA (Work Force Administration) for circuit Contact customer 5 1.000 5.00 \$43.81 \$3.65 Complete circuit in WFA/C (Work Force Administration - Control Module) 5 1.000 5 2.000 5 3.00 \$43.81 \$3.65					
TRAVEL TIME TO CUSTOMER LOCATIONS - 2 LOCATIONS   21   2.000   30.00   \$42.68   \$29.88   LOCATE TERMINAL - 2 LOCATIONS   15   2.000   30.00   \$42.68   \$21.34   REMOVE FIBER PAIRS TAGS - 2 LOCATIONS   5   2.000   10.00   \$42.68   \$7.11   NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)   5   1.000   5.00   \$42.68   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.56   \$3.		_	2 222	4-44	
LOCATE TERMINAL - 2 LOCATIONS   15   2.000   30.00   \$42.68   \$21.34					
REMOVE FIBER PAIRS TAGS - 2 LOCATIONS   5   2.000   10.00   \$42.68   \$7.11   NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)   5   1.000   \$42.68   \$3.56					Ţ
NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)   5   1.000   5.00   \$42.68   \$3.56					
-SERVICE DELIVERY IMPLEMENTOR           Screen WFA (Work Force Administration) for circuit         5         1.000         5.00         \$43.81         \$3.65           Contact customer Complete circuit in WFA/C (Work Force Administration - Control Module)         5         1.000         5.00         \$43.81         \$3.65					
-SERVICE DELIVERY IMPLEMENTOR           Screen WFA (Work Force Administration) for circuit         5         1.000         5.00         \$43.81         \$3.65           Contact customer Complete circuit in WFA/C (Work Force Administration - Control Module)         5         1.000         5.00         \$43.81         \$3.65	Colonel Ciri Diligrati ATION			07.00	
Screen WFA (Work Force Administration) for circuit         5         1.000         5.00         \$43.81         \$3.65           Contact customer         5         1.000         5.00         \$43.81         \$3.65           Complete circuit in WFA/C (Work Force Administration - Control Module)         5         1.000         5.00         \$43.81         \$3.65	SUDDOM: - FIELD INSTALLATION		<del></del>		
Contact customer 5 1.000 5.00 \$43.81 \$3.65 Complete circuit in WFA/C (Work Force Administration - Control Module) 5 1.000 5.00 \$43.81 \$3.65		_			
Complete circuit in WFA/C (Work Force Administration - Control Module) 5 1.000 5.00 \$43.81 \$3.65					
Subtotal - SERVICE DELIVERY IMPLEMENTOR 15.00 \$10.95	Complete circuit in AVEAUC (AAORK POICE Administration - Control Module)	5	1.000	5.00	φ <del>4</del> ο.05 β3.05
	Subtotal - SERVICE DELIVERY IMPLEMENTOR			15.00	\$10.95

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Hear	Time Minutes	Prob F F1	rob Prob #2 #3	Prob Applied Time Lai #4 (Minutes) /Hc	
Ā	В	C	D E	F G F B*(C Thru F)	H * (G/60)

DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't,

	EAT DA	
Total For Service:	541.94	\$380.57
	<del></del>	

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work from A	Time Minutes B	Prob #1 C			piled Time Winutes) G	Labor Hour	Cost
				В*	(C Thru F)		H * (G/60)

### DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't,

10217 Street Cost		\$380,67
10218		
10219	Cost Co	er e
10220	Calculation Fac	CONTRACTOR AND AND AND AND AND AND AND AND AND AND
10221	8 6	
10222 Marketing & Business Fees		
10223 Product Management Expense	D10223*E10217 0.	019957 \$7.60
10224 Sales Expense		011877 \$4.52
10225 Product Advertising Expense	<del></del> -	000000 \$0.00
10226 Business Fees (Other Operating Taxes)		001483 \$0.58
10227 Total Marketing & Business Fees	Sum(E10217:E10226)	\$12.70
10228		
10229 Sub-Total Direct Cost & Marketing	E10217+E10227	\$393.26
10230		
10231 Other Direct Expenses		
10232 Network Operations	<b>D10232*E10229</b> 0.	034832 \$13.70
10233 Network Support Assets	D10233*E10229 0.	014703 \$5.78
10234 General Support Assets	D10234*E10229 0.	088742 \$34.90
10235 General Purpose Computers	D10235*E10229 0.	043342 \$17.04
10236 Uncollectible	D10236°E10229 0.	003786 \$1.49
10237 Accounting & Finance Expense	D10237*E10229 0.	007346 \$2.89
10238 Human Resources Expense	D10238*E10229 0.	008294 \$3.26
10239 Information Management Expense	D10239*E10229 0.	070887 \$27.88
10240 Intangibles	D10240*E10229 0.	000000 \$0.00
10241 Total Other Direct Expenses	Sum(E10232:E10240)	\$106.94
10242		
10243 TELRIC	E10232+E10241	\$500.21
10244		
10245 Common		
10246 Executive Expense		D11267 \$5.64
10247 Planning Expense		000525 \$0.26
10248 External Relations Expense	- · <del>-</del> - · - · - · - · - · - · - · - · - · -	037846 \$18.93
10249 Legal Expense		004717 \$2.36
10250 Other Procurement Expense		001860 \$0.93
10251 Research & Development Expense		000006 \$0.00
10252 Other General and Admin Expense		015064 \$7.54
10253 Common Costs	Sum(E10246:E10252)	\$35.66
10254	·	
10255 TELRIC + Common Costs	E10243+E10253	\$535.86

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prot	,	Prob	Prob	Prob	Applied Time	Labor	
Work flem	Minutes	#1 C		#2 D		##	(Minutes) G	Mour	Cost
^	ь	U		υ	<b>-</b>	<b>F</b>	B * (C Thru F)	Н	H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR									
*ADD*									
-DESIGN (KATHY PLATTS.)									
Order handling/screening		5 1	1.000				5.00	\$44.31	\$3.69
GOC (Generic Order Control) order log			1.000				6.00	\$44.31	\$4.4
Enter WA (Work Authorization) mask		5 1	1.000				5.00	\$44.31	\$3.69
Prepare loop input/DRI (Design Related Information)			1.000				15.00	\$44.31	\$11.08
Circuit design			1.000				30.00	\$44.31	\$22.10
Distribute WORD (Work Order Record Detail) doc		2 1	000.1				2.00	\$44.31	\$1.48
Subtotal - DESIGN (KATHY PLATTS )							63.00		\$46.5
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)									
2 probability is number of technicians dispatched									
Screen order		2 2	2.000				4.00	\$37.78	\$2.52
Load work request to technician		5 2	2.000				10.00	\$37.78	\$6.30
Close out work request with technician		3 2	2.000				6.00	\$37.78	\$3.78
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,							20.00		\$12.59
-FIELD INSTALLATION									
2 probability is number of technicians dispatched									
ANALYZE ORDER		5 2	2.000				10.00	\$42.68	\$7.11
TEST FIBER - 2 TERMINATING LOCATIONS			2.000				60.00	\$42.68	\$42.68
TAG FIBER PAIRS - 2 LOCATIONS	5		2.000				10.00	\$42.68	\$7.11
NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)			.000				5.00	\$42.68	\$3.56
Subtotal - FIELD INSTALLATION							85.00		\$60.46
-SERVICE DELIVERY IMPLEMENTOR (LINDA HENDRICKS)				· <del>-</del>		· · · · · · · · · · · · · · · · · · ·		•	
Screen WFA (Work Force Administration) for circuit	1	0 1	.000				10.00	\$43.81	\$7.30
Verify LNO (Local Network Operation) completion			.000				10.00	\$43.81	\$7.30
Complete circuit in WFA/C (Work Force Administration - Control Module)			.000				10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR (LINDA HENDRICKS,							30.00		\$21.91
*DISCONNECT*									
-DESIGN (KATHY PLATTS)									
Order handling/screening		5 1	.000				5.00	\$44.31	\$3.69
GOC (Generic Order Control) order log		_	.000				6.00	\$44.31	\$4.43
Enter WA (Work Authorization) mask			.000				5.00	\$44.31	\$3.69

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Frob #4	Applied Time (Minutee)	Lebor Mous	Cost
A	В	C	D	E	F	G B * (C Thru F)	Н	H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR (con	't,					J (0)		(230)
Disconnect circuit	5	1.000				5.00	\$44.31	\$3.69
Distribute WORD (Work Order Record Detail) doc	2	1.000				2.00	\$44.31	\$1.48
Subtotal - DESIGN (KATHY PLATTS)						23.00		\$16.99
-LOAD RESOURCE ADMINISTRATION CENTER (LRAC)								
2 probability is number of technicians dispatched								
Screen order	2	2.000				4.00	\$37.78	\$2.52
Load work request to technician	5	2.000				10.00	\$37.78	\$6.30
Close out work request with technician	3	2.000				6.00	\$37.78	\$3.78
Subtotal - LOAD RESOURCE ADMINISTRATION CENTER (LRAC,						20.00		\$12.59
-FIELD INSTALLATION								
2 probability is number of technicians dispatched								
ANALYZE ORDER	5	2.000				10.00	\$42.68	\$7.11
REMOVE FIBER PAIRS TAGS - 2 LOCATIONS	5	2.000				10.00	\$42.68	<b>\$7.1</b> 1
NOTIFY IMPLEMENTOR WHEN COMPLETED (WFA)	5	1.000				5.00	\$42.68	\$3.56
Subtotal - FIELD INSTALLATION						25.00		\$17.78
-SERVICE DELIVERY IMPLEMENTOR								
Screen WFA (Work Force Administration) for circuit	5	1.000				5.00	\$43.81	\$3.65
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000				5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						10.00		\$7.30
Total For Service:	<u> </u>		·			276.00		\$196.15

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
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State: South Dakota

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Work fear A	Time Minutes B	Prob Prob #1 #2 C D		stor Hour Cost H
			B * (C Thru F)	H * (G/60)

# DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR (con't,

10353   10355   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10357   10356   10355   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   10356   1035	10352 Direct Cost			\$196.15
1035-4				Office Strategy Constitution
10355   10356   10357   Marketing & Business Fees   10358   Froduct Management Expense   10358 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   10359 Expense   103		Cost	Cost	
10356	10355	Calculation		Cost
10358 Product Management Expense   D10359*E10352   0.019957   \$3.9   10359 Sales Expense   D10359*E10352   0.011877   \$2.3   10359 Product Advertising Expense   D10360*E10352   0.000000   \$0.00   10351*Business Fees (Other Operating Taxes)   D10361*Bum(E10352:E10361)   \$6.5	10356			
10358 Product Management Expense   D10359*E10352   0.019957   \$3.9   10359 Sales Expense   D10359*E10352   0.011877   \$2.3   10359 Product Advertising Expense   D10360*E10352   0.000000   \$0.00   10351*Business Fees (Other Operating Taxes)   D10361*Bum(E10352:E10361)   \$6.5	10357 Marketing & Business Fees		_	_
10359 Sales Expense		D10358*E10352	0.019957	\$3.91
10360   Product Advertising Expense   D10361*Sum(E10352:E10360)   0.00000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00		D10359*E10352	0.011877	\$2.33
10361   Business Fees (Other Operating Taxes)   D10361*Sum(E10352:E10360)   0.001483   \$0.34   10362   Total Marketing & Business Fees   Sum(E10352:E10361)   \$6.54   \$6.54   \$6.54   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55   \$6.55		D10360*E10352		\$0.00
10362   Total Marketing & Bueiness Fees		D10361*Sum(E10352:E10360)	0.001483	\$0.30
10384   Sub-Total Direct Cost & Marketing   E10352+E10362   \$202.70     10365				\$6.54
10365   10366   Other Direct Expenses	10363			
10385   10386   Other Direct Expenses	10364 Sub-Total Direct Cost & Marketing	E10352+E10362		\$202.70
10367 Network Operations	10365			
10367 Network Operations	10366 Other Direct Expenses			
10369 General Support Assets		D10367*E10364	0.034832	\$7.06
10370 General Purpose Computers   D10370*E10364   0.043342   \$8.75     10371 Uncollectible   D10371*E10364   0.003786   \$0.77     10372 Accounting & Finance Expense   D10372*E10364   0.007346   \$1.49     10373 Human Resources Expense   D10373*E10364   0.008294   \$1.68     10374 Information Management Expense   D10374*E10364   0.070887   \$14.37     10375 Intangibles   D10375*E10364   0.000000   \$0.00     10376 Total Other Direct Expenses   D10375*E10364   0.000000   \$0.00     10377	10368 Network Support Assets	D10368*E10364	0.014703	\$2.98
10371 Uncollectible   D10371*E10364   0.003786   \$0.77   10372 Accounting & Finance Expense   D10372*E10364   0.007346   \$1.48   1.0373 Human Resources Expense   D10373*E10364   0.008294   \$1.48   1.0373 Human Resources Expense   D10374*E10364   0.008294   \$1.48   1.0375 Intangibles   D10374*E10364   0.000000   \$0.00   1.0376   Total Other Direct Expense   D10375*E10364   0.000000   \$0.00   1.0376   Total Other Direct Expenses   Sum(E10367:E10375)   \$55.12   1.0377	10369 General Support Assets	D10369*E10364	0.088742	\$17.99
10372 Accounting & Finance Expense   D10372*E10364   0.007346   \$1.48     10373 Human Resources Expense   D10373*E10364   0.008294   \$1.68     10374 Information Management Expense   D10374*E10364   0.0070887   \$14.37     10375 Intangibles   D10375*E10364   0.00000   \$0.00     10376   Total Other Direct Expenses   Sum(E10367:E10375)   \$55.78     10377	10370 General Purpose Computers	D10370*E10364	0.043342	\$8.79
10373   Human Resources Expense   D10373*E10364   0.008294   \$1.68     10374   Information Management Expense   D10374*E10364   0.070887   \$14.37     10375   Intangibles   D10375*E10364   0.000000   \$0.00     10376   Total Other Direct Expenses   D10375*E10375)   \$55.12     10377	10371 Uncollectible	D10371*E10364	0.003786	\$0.77
10374 Information Management Expense   D10374*E10364   0.070887   \$14.37   10375 Intangibles   D10375*E10364   0.000000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.0000   \$0.00000   \$0.00000   \$0.00000   \$0.00000   \$0.000000   \$0.000000   \$0.000000   \$0.0000000000	10372 Accounting & Finance Expense	D10372°E10364	0.007346	\$1.49
10375   Intangibles   D10375*E10364   0.000000   \$0.00000   \$0.00000   \$0.00000   \$0.00000   \$0.00000   \$0.00000   \$0.000000   \$0.000000   \$0.0000000   \$0.0000000000	10373 Human Resources Expense	D10373*E10364	0.008294	\$1.68
10376   Total Other Direct Expenses   Sum(E10367:E10375)   \$55.12     10377     10378   TELRIC   E10367+E10376   \$257.81     10380   Common     10381   Executive Expense   D10381*E10378   0.011267   \$2.90     10382 Planning Expense   D10382*E10378   0.000525   \$0.14     10383   External Relations Expense   D10383*E10378   0.037846   \$9.76     10384   Legal Expense   D10384*E10378   0.004717   \$1.22     10385   Other Procurement Expense   D10385*E10378   0.004717   \$1.22     10386   Research & Development Expense   D10385*E10378   0.001860   \$0.48     10386   Research & Development Expense   D10385*E10378   0.00006   \$0.00     10387   Other General and Admin Expense   D10387*E10378   0.015064   \$3.88     10388   Common Costs   Sum(E10381:E10387)   \$18.38     10389   10389   Sum(E10381:E10387)   \$18.38     10389   10389   Sum(E10381:E10387)   \$18.38     10389   10389   Sum(E10381:E10387)   \$18.38     10389   10389   Sum(E10381:E10387)   \$18.38     10389   10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38     10389   Sum(E10381:E10387)   \$18.38	10374 Information Management Expense	D10374*E10364	0.070887	\$14.37
10377         E10367+E10376         \$257.81           10379         10380 Common         0.011267         \$2.90           10381 Executive Expense         D10381*E10378         0.011267         \$2.90           10382 Planning Expense         D10382*E10378         0.000525         \$0.14           10383 External Relations Expense         D10383*E10378         0.037846         \$9.76           10384 Legal Expense         D10384*E10378         0.004717         \$1.22           10385 Other Procurement Expense         D10385*E10378         0.001860         \$0.48           10386 Research & Development Expense         D10386*E10378         0.000006         \$0.00           10387 Other General and Admin Expense         D10387*E10378         0.015064         \$3.88           10388 Common Costs         Sum(E10381:E10387)         \$18.38	10375 Intangibles	D10375°E10364	0.000000	\$0.00
10378   TELRIC   E10367+E10376   \$257.81     10379     10380   Common	10376 Total Other Direct Expenses	Sum(E10367:E10375)		\$55.12
10379         10380 Common         10381 Executive Expense       D10381*E10378       0.011267       \$2.90         10382 Planning Expense       D10382*E10378       0.000525       \$0.14         10383 External Relations Expense       D10383*E10378       0.037846       \$9.76         10384 Legal Expense       D10384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       D10385*E10378       0.001860       \$0.48         10386 Research & Development Expense       D10386*E10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387*E10378       0.015064       \$3.88         10389 Common Costs       Sum(E10381:E10387)       \$18.38	10377			
10380 Common       D10381*E10378       0.011267       \$2.90         10381 Executive Expense       D10382*E10378       0.000525       \$0.14         10383 External Relations Expense       D10383*E10378       0.037846       \$9.76         10384 Legal Expense       D10384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       D10385*E10378       0.001860       \$0.48         10386 Research & Development Expense       D10385*E10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387*E10378       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38	10378 TELRIC	E10367+E10376		\$257.81
10381 Executive Expense       D10381*E10378       0.011267       \$2.90         10382 Planning Expense       D10382*E10378       0.000525       \$0.14         10383 External Relations Expense       D10383*E10378       0.037846       \$9.76         10384 Legal Expense       D10384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       D10386*E10378       0.001860       \$0.48         10386 Research & Development Expense       D10386*E10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387*E10378       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38	10379			
10382 Planning Expense       D10382*E10378       0.000525       \$0.14         10383 External Relations Expense       D10383*E10378       0.037846       \$9.76         10384 Legal Expense       D10384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       D10385*E10378       0.001860       \$0.48         10386 Research & Development Expense       D10387*E10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387*E10378       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38	10380 Common			
10383 External Relations Expense       D10383*E10378       0.037846       \$9.76         10384 Legal Expense       D10384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       D10385*E10378       0.001860       \$0.48         10386 Research & Development Expense       D10386*E10378       0.00006       \$0.00         10387 Other General and Admin Expense       D10387*E10378       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38	10381 Executive Expense	D10381*E10378	0.011267	\$2.90
10384 Legal Expense       010384*E10378       0.004717       \$1.22         10385 Other Procurement Expense       010385*E10378       0.001860       \$0.48         10386 Research & Development Expense       0.000006       \$0.00       \$0.00         10387 Other General and Admin Expense       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38         10389       10389       10389       10389	10382 Planning Expense	D10382*E10378	0.000525	\$0.14
10385 Other Procurement Expense       D10385 E10378       0.001860       \$0.48         10386 Research & Development Expense       D10386 E10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387 E10378       0.015064       \$3.88         10388 Common Costs       Sum(E10381:E10387)       \$18.38         10389       \$18.38	10383 External Relations Expense	D10383*E10378	0.037846	\$9.76
10386 Research & Development Expense       D10386*Ε10378       0.000006       \$0.00         10387 Other General and Admin Expense       D10387*Ε10378       0.015064       \$3.88         10388 Common Costs       Sum(Ε10381:Ε10387)       \$18.38         10389       \$18.38	10384 Legal Expense	D10384*E10378	0.004717	\$1.22
10387 Other General and Admin Expensε D10387 €10378 0.015064 \$3.88 10388 Common Costs Sum(Ε10381:Ε10387) \$18.38 10389	10385 Other Procurement Expense	D10385*E10378	0.001860	\$0.48
10388 Common Costs Sum(E10381:E10387) \$18.38 10389	10386 Research & Development Expense	D10386*E10378	0.000006	\$0.00
10389		D10387*E10378	0.015064	\$3.88
	10388 Common Costs	Sum(E10381:E10387)		\$18.38
10390 TELRIC + Common Costs E10378+E10388 \$276.19	10389			
	10390 TELRIC + Common Costs	E10378+E10388		\$276.19

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Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work Rein	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutee)	Labor /Hour	Cost
A	В	С	D	E	F	Ğ B * (C Thru F)	Н	Г Н * (G/60)
OPTICAL CROSS CONN - PER FIBER STRAND OR PAIR PER CENTRAL OFFICE								
( MUST BE ORDERED AT THE SAME TIME AS DARK FIBER REQUEST ) *ADD*								
-CENTRAL OFFICE (CO) REVIEW SERVICE ORDER	5	1.000				5.00	\$43.81	\$3.6
COMPLETE FIBER CROSS-CONNECT TAG FIBER PAIR AT CO CIRCUIT LABELS PL	4 2.5	1.000 1.000				4.00 2.50	\$43.81 \$43.81	\$2.9 \$1.8
Subtotal - CENTRAL OFFICE (CO)						11.50	· <u> </u>	\$8.4
*DISCONNECT*								
-CENTRAL OFFICE (CO) REVIEW SERVICE ORDER	5	1.000				5.00	\$43.81	\$3.6
DISCONNECT FIBER CROSS-CONNECT REMOVE FIBER PAIRS TAGS AT CO	2.3 2.5	1.000 1.000				2.30 2.50	\$43.81 \$43.81	\$1.6 \$1.8
Subtotal - CENTRAL OFFICE (CO)						9.80		\$7.1
Total For Service:						21.30		\$15.55

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Work Rea A	Time Minutes B	Prob Prob #1 #2 C D	Prob Applied Time 44 (Minutes) F G	Leitor Mour Coet
			B * (C Thru F)	H * (G/60)

# OPTICAL CROSS CONN - PER FIBER STRAND OR PAIR PER CENTRAL OFFICE (con't)

10442 Direct Cost		51	5.55
10443			200000000
10444	Colet Co	set	
10445	Calculation Fac	tor Cos	
10446	E C	) E	
10447 Marketing & Business Fees			
10448 Product Management Expense	D10448*E10442 0.	.019957 \$1	0.31
10449 Sales Expense	D10449°E10442 0.	.011877 \$	0.18
10450 Product Advertising Expense	<b>D10450*E10442</b> 0.	.000000 \$	0.00
10451 Business Fees (Other Operating Taxes)	D10451*Sum(E10442:E10450) 0.	.001483 \$	0.02
10452 Total Marketing & Business Fees	Sum(E10442:E10451)	S(	0.52
10453			
10454 Sub-Total Direct Cost & Marketing	E10442+E10452	\$10	6.07
10455			
10456 Other Direct Expenses			
10457 Network Operations	<b>D10457*E10454</b> 0.	.034832 \$6	0.56
10458 Network Support Assets	<b>D10458*E10454</b> 0.	.014703 \$6	0.24
10459 General Support Assets	D10459*E10454 0.	.088742 \$1	1.43
10460 General Purpose Computers	D10460*E10454 0.	.043342 \$6	0.70
10461 Uncollectible			0.06
10462 Accounting & Finance Expense	<b>D10462*E10454</b> 0.	.007346 \$0	0.12
10463 Human Resources Expense	· · · · · · · · · · · · · · · · · · ·		0.13
10464 Information Management Expense	D10484°E10454 0.	.070887 \$1	1.14
10465_Intangibles			0.00
10466 Total Other Direct Expenses	Sum(E10457:E10465)	\$4	4.37
10467			
10468 TELRIC	E10457+E10466	\$20	0.44
10469			
10470 Common	D10471*E10468 0.	04400	
10471 Executive Expense			0.23
10472 Planning Expense	=		0.01
10473 External Relations Expense			0.77
10474 Legal Expense			0.10
10475 Other Procurement Expense			0.04
10476 Research & Development Expense			0.00
10477 Other General and Admin Expense 10478 Common Costs			0.31
	Sum(E10471:E10477)	\$1	1.46
10479 10480 TELRIC + Common Costs	E10468+E10478	201	1.90
10400 (ELINO + Common Costs	E10400+E10476	\$21	1.80

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Work Item	Time Miretes	Prob #1 C	Prob Prob #2 #3 D E	Prob Applied Time #4 (Minutes)	Labor Mour	Cost
A	В	C	D E	F G B*(C Thru F)	н	H * (G/60
RK FIBER - SPLICE						
<u>o*</u>						
LLOCATION PROJECT MANAGEMENT CENTER (CPMC)						
Check e-mail for UDF request - open file - review for completeness - save to desktop	2.0	1.000		2.00	\$56.97	
Add basic data	0.5	1.000		0.50	\$56.97	
Add planner data to request and print Wire Center Information sheet	2.0	1.000		2.00	\$56.97	
Compose and forward e-mail to planner - attach to request and forward to planner	2.0	1.000		2.00	\$56.97	
Follow-up call with planner	15.0	1.000		15.00	\$56.97	\$
Create virtual folders on desktop and move electronic data into folders	0.5	1.000		0.50	\$56.97	
Print copy of e-mail to planner	2.0	1.000		2.00	\$56.97	
Create physical folder and file	3.0	1.000		3.00	\$56.97	
Enter request data into tracking system	5.0	1.000		5.00	\$56.97	
Update response "due back" list	1.0	1.000		1.00	\$56.97	
File physical folder	1.0	1.000		1.00	\$56.97	
Verify status of planners response	15.0	1.000		15.00	\$56.97	\$
Shared time for common phone calls, meetings, reports,	10.0	1.000		10.00	\$56.97	
Receive and review response from planner	2.0	1.000		2.00	\$56.97	
Add basic data	1.0	1.000		1.00	\$56.97	;
Compose and forward e-mail to ATR - attach to request and forward to ATR	2.0	1.000		2.00	\$56.97	;
Move file from desktop into results folder	0.5	1.000		0.50	\$56.97	;
Print copy of e-mail to ATR	2.0	1.000		2.00	\$56.97	;
Place copy of e-mail in physical folder	2.0	1.000		2.00	\$56.97	;
Fowrard completion data to ATR	2.0	1.000		2.00	\$56.97	
otal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC				70.50		\$
SIDE PLANT ENGINEERING (OSP) - PLANNING				4		
Receive and Review Request	10	1.000		10.00	\$51.76	
Access OSPFM/CIMAGE Data Base (opening only):	10	1.000		10.00	\$51.76	
Navigate to work location in OSPFM/CIMAGE and find work area	15	1.000		15.00	\$51.76	\$
Verify fiber counts still spare and available, creat work prints,	4-	4 000		400	054.75	
a) Create work prints	15 15	1.000 1.000		15.00	\$51.76	\$
b) open and detail proposal in CPD     c) prepare work package in CPD	15	1.000		15.00	\$51.76 \$51.76	\$
Send package to CMC	15 5	1.000		15.00 5.00	\$51.76 \$51.76	\$
Send package to Civic		1.000			\$31.7 <b>6</b>	
otal - OUTSIDE PLANT ENGINEERING (OSP) - PLANNING				85.00		\$
NSTRUCTION MANAGEMENT CENTER (CMC)						_
Identify issues at the proposed location.	87	1.000		87.00	\$42.68	\$6
otal - CONSTRUCTION MANAGEMENT CENTER (CMC)			<del>-</del>	87.00		\$6

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State: South Dakota						
Work tem	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutee)	Labor Mour	Cost
A	В	С	D E F	G B * (C Thru F)	Н	H * (G/60)
DARK FIBER - SPLICE (con't)						
-SPLICER						
[mh tech] Load material on truck	7	1.000		7.00	\$42.68	\$4.98
[mh tech] Travel from yard to job site	20	1.000		20.00	\$42.68	\$14.23
[mh tech] Set up work area protection - park truck, set out cones, remove equipment from truck	10	1.000		10.00	\$42.68	\$7.11
[mh tech] Ventilate manhole - remove lid, set up and start blower, ventilate manhole	22	1.000		22.00	\$42.68	\$15.65
[mh tech] Test for explosive gases	2	1.000		2.00	\$42.68	\$1.42
.25 probability is percent of time activity expected to occur.						
[mh tech] Pump water from manhole	10	0.250		2.50	\$42.68	\$1.78
[mh tech] Unstrap case from wall of manhole - enter manhole, identify correct splice case	5	1.000		5.00	\$42.68	\$3.56
[mh tech] Bring case to truck	2	1.000		2.00	\$42.68	\$1.42
[mh tech] Open case	2	1.000		2.00	\$42.68	\$1.42
[mh tech] Set up splice tray	5	1.000		5.00	\$42.68	\$3.56
2 probabilities represent two strands @ 2 minutes per fiber strand.		0.000		4.00	646.00	
[mh tech] Identify strand to be spliced	2	2.000		4.00	\$42.68	\$2.85
2 probability is two fiber strands		2.000		4.00	<b>0</b> 40.00	00.05
[mh tech] Splice strand - mechanical or fusion	2	2.000		4.00	\$42.68	\$2.85
[mh tech] Close splice case [mh tech] Replace case in manhole	8 3	1.000 1.000		8.00	\$42.68	\$5.69
[mh tech] Strap case to wall of manhole	3 2	1.000		3.00 2.00	\$42.68	\$2.13
[mh tech] Strap case to wall of manhole [mh tech] Remove work area protection - load equipment in truck, pick up cones	8	1.000		8.00	\$42.68 \$42.68	\$1.42 \$5.69
[mh tech] Travel back to yard	20	1.000		20.00	\$42.68 \$42.68	·
[co/cp tech] Load material on truck	7	1.000		7.00	\$42.68	\$14.23 \$4.98
[co/cp tech] Travel from yard to central office	20	1.000		20.00	\$42.68	\$4.96 \$14.23
[co/cp tech] Access central office - park truck, gain access, find location where fiber is terminated		1.000		15.00	\$42.68	\$14.23 \$10.67
2 probability is for the two tech locating talk pairs to extablish contact.	13	1.000		15.00	<b>⊅</b> 42.00	\$10.07
[co/cp tech] Establish communication with tech on job site	5	2.000		10.00	\$42.68	\$7,11
[co/cp tech] Set up light source	5	1.000		5.00	\$42.68	\$3.56
2 probabilities represent two strands @ 2 minutes per fiber strand.	•	,,,,,,		0.00	Q-72.00	Ψ0.50
[co/cp tech] Identify strand to be spliced	2	2.000		4.00	\$42.68	\$2.85
[co/cp tech] Remove light source	5	1.000		5.00	\$42.68	\$3.56
[co/cp tech] Travel from central office to customer premises	20	1.000		20.00	\$42.68	\$14.23
[co/cp tech] Access cust prem - park truck, gain access, find location where fiber is terminated	20	1,000		20.00	\$42.68	\$14.23
2 probability is for the two tech locating talk pairs to extablish contact.					• .=	<b>4</b> · ··· <b>-</b>
[co/cp tech & mh tech] Establish communication on job site	5	2.000		10.00	\$42.68	\$7.11
[co/op tech] Set up light source	5	1.000		5.00	\$42.68	\$3.56
[co/cp tech] Remove light source	5	1.000		5.00	\$42.68	\$3.56
2 probabilities are for both techs to test fiber between co and end user location.					-	+
[mh tech] Travel from splice point to co to test with tech at cust prem end.	20	1.000		20.00	\$42.68	\$14.23
Gain access to co building - park truck, gain access, find location where fiber is terminated	15	1.000		15.00	\$42.68	\$10.67
Establish communication between techs	5	2.000		10.00	\$42.68	\$7.11
Set up test gear	5	2.000		10.00	\$42.68	<b>\$7.11</b>
Test for continuity	2	2.000		4.00	\$42.68	\$2.85

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Work Hom:	Time Minutes	Prob #1	Prob Prob #2 #3	Prob Applied Time #4 (Minutes)	Labor Mour	Cost
^	В	U	D E	B * (C Thru F)	п	H * (G/60)
DARK FIBER - SPLICE (con't;						
Disassemble test gear Unload test gear SIGN AND BARRACDE RENTAL IS 66.50. PROBABILITY OF OCCURRENCE 50%	10 5	2.000 2.000		20.00 10.00	\$42.68 \$42.68	\$14.23 \$7.11 \$33.25
Subtotal - SPLICER				341.50		\$276.17
Total For Service:				584.00		\$478.32

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State: South Dakota

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Date: 06/03/02

Work Bern		Prob Prob #1 #2	Prob #3	Prob Applied Time #4 (Minutes)	Lebor Alour Cost
Α	В	C D	E	F G	H I
				B * (C Thru F	) H * (G/60)

# DARK FIBER - SPLICE (con't)

10822   Disease Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost     Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   C				
10824   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost				\$478.32
10825   10826   10826   10827   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10828   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   10829   1082		######################################	a second vivinimimimimim	- Annual Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of t
10826	·			
10827   Marketing & Business Fees   10828   Product Management Expense   10828   Product Management Expense   10828   Product Management Expense   10829*E10822   0.01877   \$5.58   10830   Product Advertising Expense   10830*E10822   0.000000   \$0.00   \$0.00031   Business Fees (Other Operating Taxes)   10831*Business Fees (Other Operating Taxes)   10831*Business Fees (Other Operating Expense   10831*Business Fees (Other Operating Expense   10831*Business Fees (Other Operating Expense   10831*Business Fees (Other Operating Expense   10834   Sub-Total Direct Cost & Marketing	** <del>**=</del> =			***************************************
10628 Product Management Expense   D10629*E10622   0.0119877   \$5.58   10629 Sales Expense   D10629*E10622   0.011877   \$5.58   10630 Product Advertising Expense   D10630*E10622   0.000000   \$0.00   10631 Business Fees (Other Operating Taxes)   D10631*Business Fees (Other Operating Taxes)   Sun(E10622:E10631)   \$15.96   10633   10633   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$10634   \$1063	· <del>*</del>	B G	D	E
10629 Sales Expense   D10629*E10622   0.011677   \$5.68   D10630*E10622   0.00000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$				_
10830 Product Advertising Expense   D10831*Sum(E10822:E10830)   0.000000   \$0.00   10831   Business Fees (Other Operating Taxes)   515.96   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00   50.00				
Disail Business Fees (Other Operating Taxes)   Disail*Sum(E10622:E10630)   0.001483   \$0.73     10632   Total Marketing & Business Fees   Sum(E10622:E10631)   \$15.96     10633   Sub-Total Direct Cost & Marketing   E10622+E10632   \$494.28     10635   Sub-Total Direct Cost & Marketing   E10622+E10632   \$494.28     10636   Other Direct Expenses   Di0637*E10634   0.034832   \$17.22     10638   Other Direct Expenses   Di0638*E10634   0.014703   \$7.27     10639   General Support Assets   Di0639*E10634   0.04742   \$41.86     10640   General Purpose Computers   Di0641*E10634   0.04342   \$41.86     10641   Uncollectible   Di0641*E10634   0.003766   \$1.87     10642   Accounting & Finance Expense   Di0641*E10634   0.007346   \$3.63     10643   Funan Resources Expense   Di0643*E10634   0.007346   \$3.63     10644   Information Management Expense   Di0644*E10634   0.007346   \$3.63     10645   Intangibles   Di0644*E10634   0.00020   \$0.00     10646   Total Other Direct Expenses   Di0645*E10634   0.00000   \$0.00     10646   Total Other Direct Expense   Di0645*E10634   0.00000   \$0.00     10646   Total Other Direct Expense   Di0645*E10634   0.00000   \$0.00     10646   Total Other Direct Expense   Di0645*E10634   0.00000   \$0.00     10650   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Co			****	
10832   Total Marketing & Business Fees   Sum(E10822:E10631)   \$15.96     10633   Sub-Total Direct Cost & Marketing   E10622+E10632   \$494.28     10635   10636 Other Direct Expenses				
10633   Sub-Total Direct Cost & Marketing			0.001483	
10634   Sub-Total Direct Cost & Marketing   E10624   E10632   \$494.28   10635		Sum(E10622:E10631)		\$15.96
10635 Other Direct Expenses 10637 Network Operations 10637 Network Support Assets 10638 Network Support Assets 10640 General Support Assets 10640 General Purpose Computers 10640 Uncollectible 10640 General Purpose Computers 10640 Et los34 10643 Et los34 10643 Et los34 10643 Human Resources Expense 10643 Et los34 10643 Human Resources Expense 10644 Et los34 10643 Human Resources Expense 10644 Et los34 10645 Intangibles 10646 Total Other Direct Expenses 10646 Total Other Direct Expenses 10647 Et los34 10648 FLRIC 10648 FLRIC 10649 10650 Common 10651 Executive Expense 10652 Planning Expense 10652 Planning Expense 10653 External Relations Expense 10653 External Relations Expense 10655 Other Procurement Expense 10656 Cother Procurement Expense 10656 Research & Development Expense 10656 Research & Development Expense 10656 Planning Expense 10657 Other Procurement Expense 10658 Expense 10658 Development Expense 10656 Development Expense 10657 Other General and Admin Expense 10658 Demon Costs 10658 Sum(E10651:E10648 10659 Other Procurement Expense 10656 Demon Costs 10659 Sum(E10651:E10648 10659 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10648 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum(E10651:E10657) 10650 Sum	10633			
10636 Other Direct Expenses   10637 Network Operations   10638*E10634   0.034832   \$17.22   10638 Network Operations   10638*E10634   0.014703   \$7.27   10639 General Support Assets   10639 E10634   0.088742   \$43.86   10640 General Purpose Computers   10640*E10634   0.043742   \$21.42   10641 Uncollectible   10641*E10634   0.003786   \$1.87   10642 Accounting & Finance Expense   10642*E10634   0.007346   \$3.63   10643 Human Resources Expense   10642*E10634   0.007346   \$3.63   10643 Human Resources Expense   10643*E10634   0.008284   \$4.10   10643*E10634   0.070887   \$35.04   10645 Intangibles   10644*E10634   0.070887   \$35.04   10645 Intangibles   10645*E10634   0.000000   \$0.00   10646***		E10622+E10632		\$494.28
10637 Network Operations	10635			
10638 Network Support Assets	10636 Other Direct Expenses			
10639 General Support Assets	10637 Network Operations	D10637*E10634	0.034832	• • • •
10640 General Purpose Computers	10638 Network Support Assets	D10638*E10634	0.014703	\$7.27
10641 Uncollectible   D10641*E10634   0.003786   \$1.87   10642 Accounting & Finance Expense   D10642*E10634   0.007346   \$3.63   10643 Human Resources Expense   D10643*E10634   0.008294   \$4.10   10644 Hinformation Management Expense   D10643*E10634   0.007887   \$35.04   10645 Intangibles   D10645*E10634   0.000000   \$0.00   10646   Total Other Direct Expense   D10645*E10634   0.000000   \$0.00   10646   Total Other Direct Expense   Sum(E10637:E10645)   \$134.41   10647	10639 General Support Assets	D10639*E10634	0.088742	\$43.86
10642 Accounting & Finance Expense   D10642*E10634   0.007346   \$3.63   10643   Human Resources Expense   D10643*E10634   0.008294   \$4.10   10644   Information Management Expense   D10644*E10634   0.0070887   \$35.04   10645   Intangibles   D10645*E10634   0.000000   \$0.00   10646   Intangibles   Sum(E10637:E10645   Sum(E10637:E10645   Si3.4.4   10647   Intangibles   Sum(E10637:E10645   Si3.4.4   Intended Files   Sum(E10637:E10645   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Si3.4.4   Intended Files   Intended Files   Intended Files   Intended Files	10640 General Purpose Computers	D10640*E10634	0.043342	\$21.42
10643 Human Resources Expense   D10643*E10634   0.008294   \$4.10     10644 Information Management Expense   D10644*E10634   0.070887   \$35.04     10645 Intangibles   D10645*E10634   0.000000   \$0.00     10646   Total Other Direct Expenses   Sum(E10637:E10645)   \$134.41     10647	10641 Uncollectible	D10641*E10634	0.003786	\$1.87
10644 Information Management Expense         D10644*E10634         0.070887         \$35.04           10645 Intangibles         D10645*E10634         0.000000         \$0.00           10646 Total Other Direct Expenses         Sum(E10637:E10645)         \$134.41           10647         E10637-E10646         \$628.69           10649         Independent Expense         E10637-E10646         \$628.69           10650 Comman         D10651*E10648         0.011267         \$7.08           10652 Planning Expense         D10652*E10648         0.00525         \$0.33           10653 External Relations Expense         D10653*E10648         0.037846         \$23.79           10655 Other Procurement Expense         D10654*E10648         0.004717         \$2.97           10656 Research & Development Expense         D10655*E10648         0.001860         \$1.17           10656 Research & Development Expense         D10655*E10648         0.000006         \$0.00           10657 Other General and Admin Expense         D10655*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10651:E10657)         \$44.82	10642 Accounting & Finance Expense	D10642*E10634	0.007346	\$3.63
10645   Intangibles   D10645*E10634   D.000000   \$0.00   10646   Total Other Direct Expenses   Sum(E10637:E10645)   \$134.41   10647	10643 Human Resources Expense	D10643*E10634	0.008294	\$4.10
10646   Total Other Direct Expenses   Sum(E10637:E10645   \$134.41     10647	10644 Information Management Expense	D10644*E10634	0.070887	\$35.04
10648   TELRIC	10645 Intangibles	D10645*E10634	0.000000	\$0.00
10648 TELRIC       E10637+E10646       \$628.69         10649       10650 Common       \$7.08         10651 Executive Expense       D10651*E10648       0.011267       \$7.08         10652 Planning Expense       D10652*E10648       0.000525       \$0.33         10653 External Relations Expense       D10653*E10648       0.037846       \$23.79         10654 Legal Expense       D10654*E10648       0.004717       \$2.97         10655 Other Procurement Expense       D10655*E10648       0.001860       \$1.17         10656 Research & Development Expense       D10657*E10648       0.000006       \$0.00         10657 Other General and Admin Expense       D10657*E10648       0.015064       \$9.47         10658 Common Costs       Sum(€10651:E10657)       \$44.82         10659       Sum(€10651:E10657)       \$44.82	10646 Total Other Direct Expenses	Sum(E10637:E10645)		\$134.41
10649 10650 Common 10651 Executive Expense 10652 Planning Expense 10652 Planning Expense 10653 External Relations Expense 10653 External Relations Expense 10654 Legal Expense 10655 Other Procurement Expense 10655 Other Procurement Expense 10656 Research & Development Expense 10657 Other General and Admin Expense 10658 Common Costs 10659 10659 Sum(€10651:E10648 10657 Other Sum(E10657) 10656 Research & Dinestric Ethosa 10657 Other General and Admin Expense 10658 Common Costs 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(€10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657) 10659 Sum(E10651:E10657)	10647			
10650 Common       10651 Executive Expense       D10651*E10648       0.011267       \$7.08         10652 Planning Expense       D10652*E10648       0.000525       \$0.38         10653 External Relations Expense       D10653*E10648       0.037846       \$23.79         10654 Legal Expense       D10654*E10648       0.004717       \$2.97         10655 Other Procurement Expense       D10655*E10648       0.001860       \$1.17         10656 Research & Development Expense       D10656*E10648       0.000006       \$0.00         10657 Other General and Admin Expense       D10657*E10648       0.015064       \$9.47         10658 Common Costs       Sum(€10657)       \$44.82         10659       \$1.059       \$1.059       \$1.059	10648 TELRIC	E10637+E10646		\$628.69
10651 Executive Expense       D10651*E10648       0.011267       \$7.08         10652 Planning Expense       D10652*E10648       0.000525       \$0.33         10653 External Relations Expense       D10653*E10648       0.037846       \$23.79         10654 Legal Expense       D10654*E10648       0.004717       \$2.97         10655 Other Procurement Expense       D10655*E10648       0.001860       \$1.17         10656 Research & Development Expense       D10656*E10648       0.000006       \$0.00         10657 Other General and Admin Expense       D10657*E10648       0.015064       \$9.47         10658 Common Costs       Sum(E10651:E10657)       \$44.82	10649			
10652 Planning Expense         D10652*E10648         0.000525         \$0.33           10653 External Relations Expense         D10653*E10648         0.037846         \$23.79           10654 Legal Expense         D10654*E10648         0.004717         \$2.97           10655 Other Procurement Expense         D10655*E10648         0.001860         \$1.17           10656 Research & Development Expense         D10656*E10648         0.00006         \$0.00           10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10657)         \$44.82           10659	10650 Common			
10653 External Relations Expensε         D10653*E10648         0.037846         \$23.79           10654 Legal Expense         D10654*E10648         0.004717         \$2.97           10655 Other Procurement Expense         D10655*E10648         0.001860         \$1.17           10656 Research & Development Expense         D10656*E10648         0.000006         \$0.00           10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10657)         \$44.82           10659         \$1.0659         \$1.0659         \$1.0659         \$4.4.82	10651 Executive Expense	D10651*E10648	0.011267	\$7.08
10654 Legal Expense         D10654*E10648         0.004717         \$2.97           10655 Other Procurement Expense         D10655*E10648         0.001860         \$1.17           10656 Research & Development Expense         D10656*E10648         0.000006         \$0.00           10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10657)         \$44.82           10659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$1.0659         \$	10652 Planning Expense	D10652*E10648	0.000525	\$0.33
10655 Other Procurement Expense         D10655*E10648         0.001860         \$1.17           10656 Research & Development Expense         D10656*E10648         0.000006         \$0.00           10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10657:E10657)         \$44.82           10659         Sum(E10657:E10657)         \$44.82	10653 External Relations Expens∈	D10653*E10648	0.037846	\$23.79
10656 Research & Development Expense         D10656*E10648         0.000006         \$0.00           10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10651:E10657)         \$44.82           10659         Sum(E10651:E10657)         \$44.82	10654 Legal Expense	D10654*E10648	0.004717	\$2.97
10657 Other General and Admin Expense         D10657*E10648         0.015064         \$9.47           10658 Common Costs         Sum(E10651:E10657)         \$44.82           10659         Sum(E10651:E10657)         \$44.82	10655 Other Procurement Expense	D10655*E10648	0.001860	\$1.17
10658 Common Costs Sum(E10651:E10657) \$44.82 10659	10656 Research & Development Expense	D10656*E10648	0.000006	\$0.00
10659	10657 Other General and Admin Expense	D10657*E10648	0.015064	\$9.47
	10658 Common Costs	Sum(E10651:E10657)		\$44.82
10660 TELRIC + Common Costs E10648+E10658 \$673.51				
	10660 TELRIC + Common Costs	E10648+E10658		\$673.51

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work from	Time Minutes	Prob #1	Prob Prob	Prob	Applied Time (Minutes)	Labor Mour	Cost
À	В	Ċ	D E	F	G B * (C Thru F)	H	/ H * (G/60)
9.10.1 DS1 LOCAL MESSAGE TRUNK PORT							
*ADD*							
-INTERCONNECTION SERVICE CENTER							
ANALYSIS OF REQUEST TO DETERMINE TYPE OF SERVICE, DESIRED SERVICE LEVEL, D	5	1.000			5.00	\$39.16	\$3.26
VALIDATE CONNECTING FACILITY ARRANGEMENT (CFA), NETWORK CHANNEL/NETWOR	2	1.000			2.00	\$39.16	\$1.31
NAME COMMON LANGUAGE FACILITY (CLF) & ESTABLISH FACILITY EQUIPMENT PLANNII DETERMINE CRITICAL DATES	10 5	1.000 1.000			10.00 5.00	\$39.16 \$39.16	\$6.53 \$3.26
CONFIRM FIRM ORDER CONFIRMATION (FOC) LOCAL SERVICE REQUEST (LSR)	5	1.000			5.00	\$39.16	\$3,26
ISSUE SERVICE ORDER	15	1.000			15.00	\$39.16	\$9.79
CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1.000			5.00	\$39.16	\$3.26
ORDER COMPLETION	5	1.000			5.00	\$39.16	\$3.26
bublotal - INTERCONNECTION SERVICE CENTER					52.00		\$33.94
DESIGN							
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
Log and Verify Facility (manual orders)	45	0.050			2.25	\$44.31	\$1.66
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	6	0.050			0.30	\$44.31	\$0.22
Build and verify Circuit Design (CD) (manual orders)	15	0.200			3.00	\$44.31	\$2.22
Distribute Documents	4	1.000			4.00	\$44.31	\$2.95
Log and Verify Facility (mechanzied orders)	25	0.950			23.75	\$44.31	\$17.54
Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders)  Build and verify Circuit Design (CD) (mechanized orders)	3 5	0.950 0.800			2.85 4.00	\$44.31 \$44.31	\$2.10 \$2.95
Build and verily Circuit Design (CD) (inechanized orders)	9	0.600				<del>Ф44</del> .31	,
Subtotal - DESIGN					40.15		\$29.65
CENTRAL OFFICE TECHNICIAN							
ANALYZE ORDER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE CROSS CONNECT	10	1.000			10.00	\$43.81	\$7.30
PERFORM CONFORMANCE TESTING	15	1.000			15.00	\$43.81	\$10.95
COMPLETE DD WORK STATUS WITH CCT-I POST DVA WORK COMPLETE IN WFA-DI	3 2	1.000 1.000			3.00 2.00	\$43.81 \$43.81	\$2.19 \$1.46
FOST DVA WORK COMPLETE IN WPA-DI		1.000				<del>94</del> 3.01	*
Subtotal - CENTRAL OFFICE TECHNICIAN					35.00		\$25.56
SERVICE_DELIVERY IMPLEMENTOR							
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000			5.00	\$43.81	\$3.65
VERIFY COMPLETION WITH LOCAL NETWORK ORGANIZATION (LNO)	5	1.000			5.00	\$43.81	\$3.65
MONITOR PERFORMANCE TESTING	15	1.000			15.00	\$43.81	\$10.95
NOTIFY CO-PROVIDER OF WORK COMPLETION	5 10	1.000 1.000			5.00	\$43.81 \$43.81	\$3.65 \$7.00
COMPLETE CIRCUIT IN WORK FORCE ADMINISTRATION / CONTROL (WFA-C)	10	1.000			10.00	\$43.61	\$7.30

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Work Dem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob	Applied Time (Minutes)	Labor Hour	Cost
A	В	С	D	E	F	G B * (C Thru F)	H	I H * (G/60)
9.10.1 DS1 LOCAL MESSAGE TRUNK PORT (con't)						, .		, ,
Subtotal - SERVICE DELIVERY IMPLEMENTOR						40.00		\$29.21
*DISCONNECT*								
-INTERCONNECTION SERVICE CENTER ANALYSIS OF REQUEST FOR ACCURACY	5	1.000				5.00	\$39.16	\$3.26
VERIFY EXISTING ACCOUNT ACTIVITY AND OBTAIN CLOSING BILL INFORMATION	2	1.000				2.00	\$39.16 \$39.16	\$3.26 \$1.31
CHECK FOR SERVICE ORDER ACCESS CONTROLLER ERRORS	5	1.000				5.00	\$39.16	\$3.26
ORDER COMPLETION	5	1.000				5.00	\$39.16	\$3.26
ISSUE SERVICE ORDER	5	1.000				5.00	\$39.16	\$3.26
Subtotal - INTERCONNECTION SERVICE CENTER						22.00		\$14.36
-DESIGN					<u> </u>			
Prob 1 (.05, .95) are pecent orders worked manual versus mechanized.								
Log and Verify Facility (manual orders)	8	0.050				0.40	\$44.31	\$0.30
Build and validate design related info and Work Authorization (manual orders)	5	0.050				0.25	\$44.31	\$0.18
Build and verify circuit design (manual orders)	3	0.050				0.15	\$44.31	\$0.11
Distribute Documents	2	1.000				2.00	\$44.31	\$1.48
Log and Verify Facility (mechanzied orders)	3	0.950				2.85	\$44.31	\$2.10
Build and validate design related info and Work Authorization (mechanized orders)	2	0.950				1.90	\$44.31	\$1.40
Build and verify circuit design mechanized orders)	2	0.950				1.90	\$44.31	\$1.40
Subtotal - DESIGN				<del></del>		9.45		\$6.98
-CENTRAL OFFICE TECHNICIAN		· <u> </u>						
ANALYZE ORDER	5	1.000				5.00	\$43.81	\$3.65
REMOVE CROSS CONNECT	5	1.000				5.00	\$43.81	\$3.65
COMPLETE WORK REQUEST IN WORK FORCE ADMINISTRATION - DISPATCH IN MODULE	2	1.000				2.00	\$43.81	\$3.05 \$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN	· · · · · · · · · · · · · · · · · · ·	<u> </u>			<del></del>	12.00		\$8.76
OFFINIAE DELINIEN (MAI EMPATAD								
-SERVICE DELIVERY IMPLEMENTOR SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000				5.00	\$43.81	\$3.65
CONTACT CO-PROVIDER	5 5	1.000				5.00 5.00	\$43.81 \$43.81	\$3.65 \$3.65
COMPELTE ORDER IN WORK FORCE ADMINISTRATION-CIRCUIT (WFA-C)	5	1.000				5.00	\$43.81	\$3.65 \$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						15.00		\$10.95
						005.44		
Total For Service:						225.60		\$159.40

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Product Group: Interconnection

State: South Dakota

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e a a a green e e e e e e e e e e e e e e e e e e	k from:	Time Minutes B	Prob Prob #1 #2 C D	Prob Prob #3 #4 E F	Applied Time Labo (Minutes) Prior G H	
					B * (C Thru F)	H * (G/60)

# 9.10.1 DS1 LOCAL MESSAGE TRUNK PORT (con't)

10757 Direct Cost.		_	\$159.40
10758			\$108#U
10759	Coet	Cont	
10760	Calculation	Fector	Cost
10761	8 C	D	E .
10762 Marketing & Business Fees			
10763 Product Management Expense	D10763*E10757	0.019957	\$3.18
10765 Product Management Expense	D10763 E10757 D10764*E10757	0.019957	ან. 10 \$1.89
10764 Sales Expense 10765 Product Advertising Expense	D10764 E10757 D10765*E10757	0.000000	\$0.00
10766 Business Fees (Other Operating Taxes)	D10765 E10757 D10766*Sum(E10757;E10765)		
10767 Total Marketing & Business Fees	Sum(E10757:E10766)	0.001483	\$0.24
10768	Sum(E10/5/:E10/66)		\$5.32
10769 Sub-Total Direct Cost & Marketing	E10757+E10767		\$164 70i
10770	EI0/3/+EI0/0/		\$164.72
10770 Other Direct Expenses			
10772 Network Operations	D10772*E10769	0.034832	\$5.74
10772 Network Support Assets	D10772 €10769	0.034632	\$3.74 \$2.42
10774 General Support Assets	D10774*E10769	0.088742	\$2.42 \$14.62
	D10774*E10769	0.088742	
10775 General Purpose Computers 10776 Uncollectible	D10775*E10769		\$7.14
101 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.003786	\$0.62
10777 Accounting & Finance Expense	D10777*E10769	0.007346	\$1.21
10778 Human Resources Expense	D10778*E10769	0.008294	\$1.37
10779 Information Management Expense	D10779*E10769	0.070887	\$11.68
10780 Intangibles	D10780*E10769	0.000000	\$0.00
10781 Total Other Direct Expenses	Sum(E10772:E10780)		\$44.79
10782			
10783 TELRIC	E10772+E10781		\$209.52
10784			
10785 Common			
10786 Executive Expense	D10786*E10783	0.011267	\$2.36
10787 Planning Expense	D10787*E10783	0.000525	\$0.11
10788 External Relations Expense	D10788*E10783	0.037846	\$7.93
10789 Legal Expense	D10789*E10783	0.004717	\$0.99
10790 Other Procurement Expense	D10790*E10783	0.001860	\$0.39
10791 Research & Development Expense	D10791*E10783	0.000006	\$0.00
10792 Other General and Admin Expense	D10792*E10783	0.015064	\$3.16
10793 Common Costa	Sum(E10786:E10792)		\$14.94
10794		<u> </u>	
10795 TELRIC + Common Costs	E10783+E10793		\$224.45

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Work (ferri	Time Minutes	Prob		ob Prob	Applied Time	Lebor	
POTE HERE	B	#1 C	#2 # D	9 #M F F	(Minutes) G	<i>Hour</i> H	Cost
•	_	Ü		- '	B*(C⊤hruF)	••	H * (Ġ/60)
9.10.2 TRUNK GROUP, FIRST							
*ADD*							
-INTERCONNECTION SERVICE CENTER							
ANALYSIS OF REQUEST TO DETERMINE TYPE OF SERVICE, DESIRED SERVICE LEVEL, D	5	1.000			5.00	\$39.16	\$3.26
VALIDATE CONNECTING FACILITY ARRANGEMENT (CFA), NETWORK CHANNEL/NETWOR	2	1.000			2.00	\$39.16	\$1.31
VALIDATE SWITCH LOCATION & DETERMINE SWITCH PORT AVAILABILITY	10	1.000			10.00	\$39.16	\$6.53
OBTAIN TRUNK GROUP NUMBERS (TGN) AND ROUTE INDEX NUMBER (RTI) FROM COMP	20	1.000			20.00	\$39.16	\$13.05
OBTAIN TELEPHONE NUMBERS DID NUMBER BLOCKS	10	1.000			10.00	\$39.16	\$6.53
DETERMINE CRITICAL DATES	5	1.000			5.00	\$39.16	\$3.26
CONFIRM FIRM ORDER CONFIRMATION (FOC) LOCAL SERVICE REQUEST (LSR)	5	1.000			5.00	\$39.16	\$3.26
CHECK FOR SERVICE ORDER ACCESS CONTROLLER (SOAC) ERRORS ORDER COMPLETION	5 5	1.000 1.000			5.00 5.00	\$39.16 \$39.16	\$3.26 \$3.26
ISSUE SERVICE ORDER	15	1.000			15.00	\$39.16	\$9.79
1550E SERVICE ORDER	15	1.000			15.00	<b>р</b> 39.10	<b>ф9.79</b>
Subtotal - INTERCONNECTION SERVICE CENTER					82.00		\$53.52
-DESIGN							
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.	10	1.000	0.042		0.42	£44.01	<b>60.04</b>
Order handling and screening  Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	10	0.050	0.042		0.42	\$44.31 \$44.31	\$0.31 \$0.02
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)  Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders)	4	0.950	0.042		0.02	\$44.31	\$0.02 \$0.12
Build and verify Circuit Design (CD) (manual orders)	15	0.050	0.042		0.03	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mandal orders)	3	0.950	0.042		0.12	\$44.31	\$0.02
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.06
Perform TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.47	\$44.31	\$0.35
PCList Trunks	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN			<u> </u>		1.39		\$1.03
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP							
.50 probability is % orders establishing a new trunk group.							
2 probability is number of route indexes per trunk group.							
ASSIGN TRUNK GRP NUMBER	10	0.500			5.00	\$41.45	\$3.45
ANALYZE ACCESS SERVICE REQUEST (ASR)/TRANSLATIONS QUESTIONNAIRE	10	0.500			5.00	\$41.45	\$3.45
BUILD NEW TRUNK GROUP	20	0.500			10.00	\$41.45	\$6.91
ASSIGN ROUTE INDEX	10	0.500	2.000		10.00	\$41.45	\$6.91
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUF					30.00		\$20.73
							<u> </u>

<sup>-</sup>NROC - COMPLEX TRANSLATIONS - TRUNK GROUP
.50 probability is % orders establishing a new trunk group.

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Work Rem	Time Minutes	Prob #1	1/2	ab Prob 13 #4	Applied Time (Minutes)	Labor Hour	Cost
<b>A</b>	В	С	D	Ē F	G B*(C Thru F)	Н	H * (G/60)
9.10.2 TRUNK GROUP, FIRST (con't)							
PERFORM TEST CALL	5	0.500			2.50	\$41.45	\$1.73
COMPLETE WORK ITEM IN WORK FORCE ADMINISTRATION - DISPATCH MODULE (WFA-I	5	0.500			2.50	\$41.45	\$1.73
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUF					5.00		\$3.45
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7.30
COMPLETE PERFORMANCE TESTING	45	1.000			45.00	\$43.81	\$32.86
NOTIFY CO-PROVIDER OF WORK COMPLETION	5	1.000			5.00	\$43.81	\$3.65
POST ORDER COMPLETE IN WORK FORCE ADMINISTRATION - CONTROL MODULE (WFA-	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR					70.00		\$51.11
*DISCONNECT*							
-INTERCONNECTION SERVICE CENTER							
ANALYSIS OF REQUEST TO DETERMINE TYPE OF SERVICE, DESIRED SERVICE LEVEL, D	5	1.000			5.00	\$39.16	\$3.26
VERIFY EXISTING ACCOUNT ACTIVITY AND OBTAIN CLOSING BILL INFORMATION	2	1.000			2.00	\$39.16	\$1.31
CHECK FOR SERVICE ORDER ACCESS CONTROLLER (SOAC) ERRORS	5	1.000			5.00	\$39.16	\$3.26
ORDER COMPLETION	5	1.000			5.00	\$39.16	\$3.26
ISSUE SERVICE ORDER	5	1.000			5.00	\$39.16	\$3.26
Subtotal - INTERCONNECTION SERVICE CENTER					22.00		\$14.36
-DESIGN							
Prob 1 (.05, .95) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.31
PCList Trunks	2	1.000	0.042		0.08	\$44.31	\$0.06
Build and Validate Work Authorization (manual orders)	5	0.050	0.042		0.01	\$44.31	\$0.01
Build and Validate Work Authorization (mechanized orders)	2	0.950	0.042		0.08	\$44.31	\$0.06
Build and verify Circuit Design (CD) (manual orders)	10	0.050	0.042		0.02	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mechanized orders)	2	0.950	0.042		80.0	\$44.31	\$0.06
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN					0.78		\$0.58
SERVICE DELIVERY IMPLEMENTOR							
SCREEN WORK FORCE ADMINISTRATION-CONTROL MODULE (WFA-C) FOR ORDER ACC	5	1.000			5.00	\$43.81	\$3.65
CONTACT CO-PROVIDER	5	1.000			5.00	\$43.81	\$3.65
COMPLETE ORDER IN WORK FORCE ADMINISTRATION-CONTROL MODULE (WFA-C)	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR		· · · · · · · · · · · · · · · · · · ·			15.00		\$10.95

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o eggine di managana ang ang ang ang ang ang <b>Wo</b>	ris Reini A	nme P Inutes B	<b>#</b>	rob <i>P</i> #2 D	rob Prob #3 #4 E F	Applied Time (Minutes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

9.10.2 TRUNK GROUP, FIRST (con't)

\$155.72 Total For Service: 226.17

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Work	iteri A	Time Pro Minutes \$1 B C	(*K	Prob #3 #4 E F	Applied Time Labor (Minutes) /Hour G H	Cost
					B * (C Thru F)	H * (G/60)

# 9.10.2 TRUNK GROUP, FIRST (con't)

10937 Direct Cost		\$165.72
10938		**************************************
10939	COM	
10940	Calculation Factor	Cost
10941	B C D	E
10942 Marketing & Business Fees		
10943 Product Management Expense	D10943*E10937 0.01999	7 \$3.11
10944 Sales Expense	D10944*E10937 0.0118	
10945 Product Advertising Expense	D10945*E10937 0.00000	
10946 Business Fees (Other Operating Taxes)	D10946*Sum(E10937:E10945) 0.00144	
10947 Total Marketing & Business Fees	Sum(E10937;E10946)	\$5.20
10948		
10949 Sub-Total Direct Cost & Marketing	E10937+E10947	\$160.92
10950	<u> </u>	
10951 Other Direct Expenses		
10952 Network Operations	D10952°E10949 0.03483	2 \$5.61
10953 Network Support Assets	D10953*E10949 0.01470	3 \$2.37
10954 General Support Assets	D10954*E10949 0.08874	2 \$14.28
10955 General Purpose Computers	D10955°E10949 0.04334	2 \$6.97
10956 Uncollectible	D10956*E10949 0.00378	6 \$0.61
10957 Accounting & Finance Expense	D10957*E10949 0.00734	6 \$1.18
10958 Human Resources Expense	<b>D10958*E10949</b> 0,00829	4 \$1.33
10959 Information Management Expense	D10959*E10949 0.07088	7 \$11.41
10960 Intangibles	D10960*E10949 0.00000	0 \$0.00
10961 Total Other Direct Expenses	Sum(E10952:E10960)	\$43.76
10962		
10963 TELRIC	E10952+E10961	\$204.68
10964		
10965 <i>Соттоп</i>		
10966 Executive Expense	D10966°E10963 0.01126	
10967 Planning Expens€	D10967*E10963 0.00052	
10968 External Relations Expense	<b>D10968*E10963</b> 0.03784	
10969 Legal Expense	D10969°E10963 0.00471	
10970 Other Procurement Expense	D10970*E10963 0.00186	. ,
10971 Research & Development Expense	D10971*E10963 0.00000	
10972 Other General and Admin Expense	D10972*E10963 0.01506	
10973 Common Costs	Sum(E10966:E10972)	\$14.59
10974		
10975 TELRIC + Common Costs	E10963+E10973	\$219.27

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Work Item A	Time Minutes B	Prob #1 C	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	rati Prob Id #4 E F	Applied Time (Minutes) G B * (C Thru F)	Labor Mour H	Cost     H * (G/60)
					B (0 111111)		// (G/00)
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK							
*ADD*							
-SERVICE DELIVERY IMPLEMENTOR							
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT COMPLETE PERFORMANCE TESTING	5 6	1.000 1.000			5.00 6.00	\$43.81 \$43.81	\$3.65 \$4.38
POST ORDER COMPLETE IN WORK FORCE ADMINISTRATION - CONTROL MODULE (WFA	1	1.000			1.00	\$43.81	\$0.73
Subtotal - SERVICE DELIVERY IMPLEMENTOR					12.00		\$8.76
-DESIGN							<del>-</del>
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order. Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.31
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	10	0.050	0.042		0.02	\$44.31	\$0.02
Buid and validate Design Related Info (DRI) and Work Authorization (mechanized orders)	4	0.950	0.042		0.16	\$44.31	\$0.12
Build and verify Circuit Design (CD) (manual orders)	15	0.050	0.042		0.03	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mechanized orders)	3 2	0.950 1.000	0.042 0.042		0.12 0.08	\$44.31 \$44.31	\$0.09 \$0.06
Distribute Documents Perform TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.08	\$44.31 \$44.31	\$0.06 \$0.35
PCList Trunks	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN					1.39		\$1.03
	<del></del>						
*DISCONNECT*							
-SERVICE DELIVERY IMPLEMENTOR	_						
SCREEN WORK FORCE ADMINISTRATION-CONTROL MODULE (WFA-C) FOR ORDER ACC COMPLETE ORDER IN WORK FORCE ADMINISTRATION-CONTROL MODULE (WFA-C)	5 5	1.000 1.000			5.00 5.00	\$43.81 \$43.81	\$3.65 \$3.65
COMPLETE ONDER IN WORK PORCE ADMINISTRATION CONTROL MODULE (WI A-C)	3	1.000			5.00	<b>ф43.0</b> 1	Ψ3.05
Subtotal - SERVICE DELIVERY IMPLEMENTOR					10.00		\$7.30
-DESIGN							
Prob 1 (.05, .95) are pecent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order. Order handling and screening	10	1,000	0.042		0.42	\$44.31	\$0.31
Order handling and screening PCList Trunks	2	1.000	0.042		0.42	\$44.31 \$44.31	\$0.31 \$0.06
Build and Validate Work Authorization (manual orders)	5	0.050	0.042		0.01	\$44.31	\$0.01
Build and Validate Work Authorization (mechanized orders)	2	0.950	0.042		0.08	\$44.31	\$0.06
Build and verify circuit design (manual orders)	10 2	0.050	0.042		0.02	\$44.31	\$0.02
Build and verify circuit design (mechanized orders) Distribute Documents	2	0.950 1.000	0.042 0.042		0.08 0.08	\$44.31 \$44.31	\$0.06 \$0.06
Distribute Degriforita	_	1.000	0.0-12		3.00	ψ-τ	Ψ0.00

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	A	В	С	D	E F	G B * (C Thru F)	H   H * (G/60)
9.10.3 MESSAGE TRUNK GROUP - EACH	I ADDITIONAL TRUNK (con't,						
Subtotal - DESIGN						0.78	\$0.58
Total For Service:						24.17	\$17.67

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Work Rem	Time Minutes	Prob Prob	Prob Prot #3 #4		Lebor /Hour Cost
A	В	С	E F	G	H
				B * (C Thru F)	H * (G/60)

### 9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK (con't,

1072   Direct Cest   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost	11070 85-2-10-			\$17.67
1074				377.07
1075   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table				
1076	112			
1077   Marketing & Bueliness Fees				***************************************
1078 Product Management Expense   D11078*E11072   0.019857   \$0.35   \$1079 Sales Expense   D11079*E11072   0.019857   \$0.21   \$1000 Product Advantsing Expense   D11080*E11072   0.000000   \$0.00   \$0.00   \$1081   Business Fees (Other Operating Taxes)   D11081*Sum(E11072:E11080)   0.01483   \$0.03   \$1082   Total Merketing & Business Fees   Sum(E11072:E11081)   \$0.559   \$1093   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1095   \$1				_ =
11079 Sales Expense		D44070+F44070	0.040057	00.05
11080 Product Advertising Expense   D11080*E11072   0.000000   \$0.00   11081 Business Fees (Other Operating Taxes)   D11081*Sum(E11072:E11080)   0.001483   \$0.03   11082   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1.0081   \$1		<del></del>		
11081   Business Fees (Other Operating Taxes)   D11081*Sum(E11072:E11080)   0.001483   50.03   11082   Total Marketing & Business Fees   Sum(E11072:E11081)   50.59   11083   11083   11084   11085   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11086   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085   11085				
1082   Total Marketing & Business Feex   Sum(E11072:E11081)   \$0.59     11083   E11072-E11082   \$18.25     11085   I1086   Cher Direct Expenses		— · · · · · · · · · · · · · · · · · · ·		,
11083   11084   Sub-Total Direct Cost & Marketing   E11072+E11082   \$18.26   11086   Other Direct Expenses			0.001483	
11084   Sub-Total Direct Cost & Marketing   E11072+E11082   \$18.26     11086   Sub-Total Direct Expenses		Sum(E110/2:E11081)		\$0.59
11086   Other Direct Expenses		E44070 E44000		210.00
11086 Other Direct Expenses   11087 Network Operations   D11087*E11084   0.034832   \$0.64   11088 Wester Support Assets   D11088*E11084   0.014703   \$0.27   11089 General Support Assets   D11089*E11084   0.083742   \$1.62   11090 General Purpose Computers   D11090*E11084   0.043342   \$0.79   11091*E11084   0.003786   \$0.07   11092 Accounting & Finance Expense   D11091*E11084   0.007366   \$0.07   11092 Accounting & Finance Expense   D11092*E11084   0.007366   \$0.13   11093 Human Resources Expense   D11093*E11084   0.006284   \$0.15   11094 Hordmation Management Expense   D11093*E11084   0.070887   \$1.29   11095 Intangibles   D11095*E11084   0.070887   \$1.29   11095 Intangibles   D11095*E11084   0.000000   \$0.00   11096   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.0		E11072+E11082		\$18.26
11087 Network Operations				
11088 Network Support Assets		B448684-1464		
11089 General Support Assets				,
11090 General Purpose Computers   D11090*E11084   0.043342   \$0.79   11091 Uncollectible   D11091*E11084   0.003786   \$0.07   11092 Accounting & Finance Expense   D11092*E11084   0.007346   \$0.13   11093 Human Resources Expense   D11093*E11084   0.008294   \$0.15   11094 Information Management Expense   D11094*E11084   0.070887   \$1.29   11095 Intangibles   D11095*E11084   0.000000   \$0.00   11095*E11084   0.000000   \$0.00   11095*E11084   0.000000   \$0.00   11095*E11085				
11091 Uncollectible   D11091*E11084   0.003786   \$0.07   11092 Accounting & Finance Expense   D11092*E11084   0.007346   \$0.13   11093 Human Resources Expense   D11093*E11084   0.008294   \$0.15   11093 Human Resources Expense   D11094*E11084   0.008294   \$0.15   11094 Information Management Expense   D11094*E11084   0.000000   \$0.00   11096   Total Other Direct Expenses   D11095*E11095   \$4.96   11097				
11092 Accounting & Finance Expense   D11092*E11084   0.007348   \$0.13				
11093 Human Resources Expense   D11093*E11084   0.008294   \$0.15     11094 Information Management Expense   D11094*E11084   0.070887   \$1.29     11095 Intangibles   D11095*E11084   0.000000   \$0.00     11096 Total Other Direct Expenses   Sum(E11087:E11095)   \$4.96     11097	***************************************			
11094 Information Management Expense   D11094*E11084   0.070887   \$1.29   11095 [Intangibles   D11095*E11084   0.000000   \$0.00   11096 [Total Other Direct Expenses   Sum(E11087:E11095)   \$4.96   11097				
11095   Intangibles   D11095*E11084   0.000000   \$0.00     11096    Total Other Direct Expenses   Sum(E11087:E11095)   \$4.96     11097				
11096   Total Other Direct Expenses   Sum(E11087:E11095)   \$4.96     11097				•
11097   11098 TELRIC			0.000000	
11098 TELRIC   E11087+E11096   \$23.22     11099		Sum(E11087:E11095)		\$4.96
11099         11100 Common         11101 Executive Expense       D11101*E11098       0.011267       \$0.26         11102 Planning Expense       D11102*E11098       0.000525       \$0.01         11103 External Relations Expense       D11103*E11098       0.037846       \$0.88         11104 Legal Expense       D11104*E11098       0.004717       \$0.11         11105 Other Procurement Expense       D11105*E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66				
11100 Common         11101 Executive Expense       D11101*E11098       0.011267       \$0.26         11102 Planning Expense       D11102*E11098       0.000525       \$0.01         1103 External Relations Expense       D11103*E11098       0.037846       \$0.88         1104 Legal Expense       D11104*E11098       0.004717       \$0.11         11105 Other Procurement Expense       D11105*E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66         11109		E11087+E11096		\$23.22
11101 Executive Expense         D11101*E11098         0.011267         \$0.26           11102 Planning Expense         D11102*E11098         0.000525         \$0.01           11103 External Relations Expense         D11103*E11098         0.037846         \$0.88           11104 Legal Expense         D11104*E11098         0.004717         \$0.11           11105 Other Procurement Expense         D11105*E11098         0.001860         \$0.04           11106 Research & Development Expense         D11106*E11098         0.00006         \$0.00           11108 Common Costs         Sum(E11101:E11107)         \$1.66           11109         \$1.60         \$1.60	*****			
11102 Planning Expense       D11102°E11098       0.000525       \$0.01         11103 External Relations Expense       D11103°E11098       0.037846       \$0.88         11104 Legal Expense       D11104°E11098       0.004717       \$0.11         11105 Other Procurement Expense       D11105°E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106°E11098       0.000006       \$0.00         11108 Common Costs       Sum(E1101:E1107)       \$1.66         11109				
11103 External Relations Expense       D11103*E11098       0.037846       \$0.88         11104 Legal Expense       D11104*E11098       0.004717       \$0.11         11105 Other Procurement Expense       D11105*E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66         11109	11101 Executive Expense		0.011267	
11104 Legal Expense       D11104*E11098       0.004717       \$0.11         11105 Other Procurement Expense       D11105*E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66         11109	11102 Planning Expense	D11102°E11098	0.000525	\$0.01
11105 Other Procurement Expense       D11105*E11098       0.001860       \$0.04         11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66         11109       Sum(E11101:E11107)       \$1.66	11103 External Relations Expense	D11103*E11098	0.037846	\$0.88
11106 Research & Development Expense       D11106*E11098       0.000006       \$0.00         11107 Other General and Admin Expense       D11107*E11098       0.015064       \$0.35         11108 Common Costs       Sum(E11101:E11107)       \$1.66         11109	11104 Legal Expense	D11104*E11098	0.004717	\$0.11
11107 Other General and Admin Expensε         D11107*E11098         0.015064         \$0.35           11108 Common Costs         Sum(Ε11101:Ε11107)         \$1.66           11109	11105 Other Procurement Expense	D11105°E11098	0.001860	\$0.04
11108 Common Costs Sum(E11101:E11107) \$1.66 11109	11106 Research & Development Expense	D11106*E11098	0.000006	\$0.00
11109	11107 Other General and Admin Expense	D11107*E11098	0.015064	\$0.35
	11108 Common Costs	Sum(E11101:E11107)		\$1.66
11110 TELRIC + Common Costs E11098+E11108 \$24.88	11109			
	11110 TELRIC + Common Costs	E11098+E11108		\$24.88

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
Work Item	Minutes	#1 C	#2	<u> </u>	(Minutes)	#Hour	Cost
^	В	C	U	E F	B * (C Thru F)	П	H * (G/60)
9.11.1 ANALOG LINESIDE PORT FIRST							
*ADD*							
-INTERCONNECT SERVICE CENTER (ISC)							
.05, .5, .6, .05 probabilities is percent of time this activity will occur.							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.00
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	2	0.050			0.10	\$40.03	\$0.07
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000			4.00	\$40.03	\$2.67
CPPD look-up billing USOC's for co-provider	2	1.000 1.000			2.00	\$40.03 \$40.03	\$1.33
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date Determine if the end user has Qwest directory advertising	2	1.000			2.00 1.00	\$40.03 \$40.03	\$1.33 \$0.67
Determine if the end user has Qwest unedicty advertising	<b>~</b> ∤	1.000			1.00	\$40.03	\$0.67
Determine critical dates	i	1,000			1.00	\$40.03	\$0.67
If directory advertising or retail contract or both, issue order to remove information from account	2	0.500			1.00	\$40.03	\$0.67
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000 0.600			3.00	\$40.03 \$40.03	\$2.00
Handle calls from other departments working the order  Handle issues including conditioning, facility, cable&pair	5 5	0.050			3.00 0.25	\$40.03	\$2.00 \$0.17
					47.05		604.00
Subtotal - INTERCONNECT SERVICE CENTER (ISC;					37.35		\$24.92
-LOOP PROVISIONING CENTER (LPC)							
.4 weighting is probability order will fall out for manual assistance.	44.00					****	**
Clear RMA (Request for manual assistance)	11.25	0.400			4.50	\$37.78	\$2.83
Subtotal - LOOP PROVISIONING CENTER (LPC)					4.50		\$2.83
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.200			1.00	\$44.31	\$0.74
GOC (Generic Order Control) order log	6	0.200			1.20	\$44.31	\$0.89
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	\$0.37
Prepare loop input/DRI (Design Related Information)	10 20	0.200 0.100			2.00 2.00	\$44.31 \$44.31	\$1.48 \$1.48
Circuit design Distribute WORD (Work Order Record Detail) document	20	0.050			2.00 0.10	\$44.31	\$1.48 \$0.07
Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro							\$5.02
Subtotal - DESIGN					6.80		35.02

<sup>-</sup>CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)

.15 probability is % orders that require manual dispatch.
.03 probability is % orders when workitem performed in unmanned office.

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Carlo. South Parlota							
	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
Work fluin	Minutes B	#1 C	<u>#2</u>	#1 # <u>1</u>	(Minutee) G	Hour	Cost
^	Ь	C	U	Е Г	B * (C Thru F)	- н -	H * (G/60)
9.11.1 ANALOG LINESIDE PORT FIRST (con't)							
3,11.1 AMALON ENLODE I OIT I MOI (OUT)							
Screen order	2	0.150			0.30	\$37.78	\$0.19
Load work request to technician	5	0.150			0.75	\$37.78	\$0.47
Close out work request with technician	3	0.150	0.030		0.01	\$37.78	\$0.01
Subtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC,				<del></del>	1.06		\$0.67
-CENTRAL OFFICE FRAMES							
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Di	stribution Frame						
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Complete cross connect	4	2.000			8.00	\$43.81	\$5.84
Dial Tone and AIN test Complete work request with CCT-I (Customer Communication Technician-Implementor)	3	1.000 1.000			1.00 3.00	\$43.81 \$43.81	\$0.73 \$2.19
Post work request complete in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000			2.00	\$43.81	\$1.46
Tost work toquest complete in the A.S. (Work to too Administration Cooperation in the edito)			_		2.00	ψ10.01	•
Subtotal - CENTRAL OFFICE FRAMES					19.00		\$13.87
-SERVICE DELIVERY IMPLEMENTOR							
Screen WFA (Work Force Administration) for circuit	10	1.000			10.00	\$43.81	\$7.30
Verify LNO completion	5	1.000			5.00	\$43.81	\$3.65
Test Circuit	15	1.000			15.00	\$43.81	\$10.95
Notify customer	5	1.000			5.00	\$43.81	\$3.65
Complete circuit in WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR					45.00		\$32.86
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER (ISC)							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.00
Verify existing account (access CSR in BOSS/CARS) and obtain closing bill address.	2	1.000			2.00	\$40.03	\$1.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000			2.00	\$40.03	\$1.33
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6.67
Populate required fields	3	1.000			3.00	\$40.03	\$2.00
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER (ISC)					23.00		\$15.34
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
Order handling/screening	5	0.100			0.50	\$44.31	\$0.37
GOC (Generic Order Control) order log	6	0.100			0.60	\$44.31	\$0.44
Enter WA (Work Authorization) mask	5	0.100			0.50	\$44.31	\$0.37
Disconnect circuit	5	0.100			0.50	\$44.31	\$0.37

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and the property of the company of the Work from the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of th	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minates)	Labor Mour	Cost
<b>A</b>	В	С	Б	E	F	G B * (C Thru F)	Ħ	H * (G/60)
11.1 ANALOG LINESIDE PORT FIRST (con't)								
Distribute WORD (Work Order Record Detail) document	2	0.050				0.10	\$44.31	\$0.
ubtotal - DESIGN						2.20		\$1.
CENTRAL OFFICE FRAMES								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect	t Distribution Fran	1.000				- 00	<b>640.04</b>	00
Analyze order	23					5.00	\$43.81	
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2.3 2	2.000 1.000				4.60 2.00	\$43.81 \$43.81 \$43.81	\$3.
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)		2.000				4.60	\$43.81	\$3. \$1.
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)		2.000				4.60 2.00	\$43.81	\$3 \$1
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)		2.000				4.60 2.00	\$43.81	\$3 \$1 <b>\$8</b>
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  ubtotal - CENTRAL OFFICE FRAMES  SERVICE DELIVERY IMPLEMENTOR  Screen WFA (Work Force Administration) for circuit Contact customer		2.000 1.000 1.000				4.60 2.00 11.60 5.00 5.00	\$43.81 \$43.81 \$43.81 \$43.81	\$3 \$1 \$8. \$3. \$3.
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  ubtotal - CENTRAL OFFICE FRAMES  SERVICE DELIVERY IMPLEMENTOR  Screen WFA (Work Force Administration) for circuit		2.000 1.000				4.60 2.00 11.60	\$43.81 \$43.81 \$43.81	\$3. \$1. <b>\$8.</b> \$3. \$3.
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)  wibiotal - CENTRAL OFFICE FRAMES  SERVICE DELIVERY IMPLEMENTOR Screen WFA (Work Force Administration) for circuit Contact customer		2.000 1.000 1.000				4.60 2.00 11.60 5.00 5.00	\$43.81 \$43.81 \$43.81 \$43.81	\$3. \$3. \$1. \$8. \$3. \$3. \$3.

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Work them	Timā Minutos	Prob #1		Prob Prob #3 #4	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	С	Đ	E F	G	Н	
					B * (C Thru F)		H * (G/60)

#### 9.11.1 ANALOG LINESIDE PORT FIRST (con't)

· · ·			
			\$116.57
11253			
11254	Cost	Cost	
11255	Calculation	Factor	Cost
11256	ВС	D	E
11257 Marketing & Business Fees			
11258 Product Management Expense	D11258*E11252	0.019957	\$2.33
11259 Sales Expense	D11259*E11252	0.011877	\$1.38
11260 Product Advertising Expense	D11260*E11252	0.000000	\$0.00
11261 Business Fees (Other Operating Taxes)	D11261*Sum(E11252:E11260)	0.001483	<u>\$0.18</u>
11262 Total Marketing & Business Fees	Sum(E11252:E11261)		\$3.89
11263			
11264 Sub-Total Direct Cost & Marketing	E11252+E11262		\$120.46
11265			
11266 Other Direct Expenses			
11267 Network Operations	D11267*E11264	0.034832	\$4.20
11268 Network Support Assets	D11268*E11264	0.014703	\$1.77
11269 General Support Assets	D11269*E11264	0.088742	\$10.69
11270 General Purpose Computers	D11270*E11264	0.043342	\$5.22
11271 Uncollectible	D11271*E11264	0.003786	\$0.46
11272 Accounting & Finance Expense	D11272°E11264	0.007346	\$0.88
11273 Human Resources Expense	D11273*E11264	0.008294	\$1.00
11274 Information Management Expense	D11274*E11264	0.070887	\$8.54
11275 Intangibles	D11275°E11264	0.000000	\$0.00
11276 Total Other Direct Expenses	Sum(E11287:E11275)		\$32.76
11277			
11278 TELRIC	E11267+E11276		\$153.21
11279			
11280 Common			
11281 Executive Expense	D11281*E11278	0.011267	\$1.73
11282 Planning Expense	D11282*E11278	0.000525	\$0.08
11283 External Relations Expens∈	D11283*E11278	0.037846	\$5.80
11284 Legal Expense	D11284*E11278	0.004717	\$0.72
11285 Other Procurement Expense	D11285°E11278	0.001860	\$0.28
11286 Research & Development Expense	D11286*E11278	0.000006	\$0.00
11287 Other General and Admin Expense	D11287*E11278	0.015064	\$2.31
11288 Common Costs	Sum(E11281;E11287)		\$10.92
11289			

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State. South Parola						
	Time	Prob	Prob Prob	Prob Applied Time	Labor	
Work Herri	Minutes 5	<u>H</u>	#2 #3 D F	#4 (Minutes)	Hour	Cost
A	В	C	U E	F G B*(C Thru F)	_ н _	и н * (G/60)
				B (CTRUT)		H (G/60)
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL						
*ADD*						
-SERVICE DELIVERY COORDINATOR						
.6, .08 probabilities is percent of time this activity will occur.						
Populate required fields	3	1.000		3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	5	1.000		5.00	\$40.03	\$3.34
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000		3.00	\$40.03	\$2.00
Handle calls from other departments working the order	1	0.600		0.60	\$40.03	\$0.40
Handle issues including conditioning, facility, cable&pair	1	0.080		0.08	\$40.03	\$0.05
Subtotal - SERVICE DELIVERY COORDINATOR	<del></del>			11.68		\$7.79
-LOOP PROVISIONING CENTER (LPC)				···		
.4 weighting is probability order will fall out for manual assistance.						
Clear RMA (Request for manual assistance)	11.25	0.400		4.50	\$37.78	\$2.83
Clear term (Hodgest for maridal associatios)		0.100		4.00	ψ07.70	Ψ2.00
Subtotal - LOOP PROVISIONING CENTER (LPC)	<del>-</del>	<u> </u>		4.50		\$2.83
				<del></del>		
<u>-DESIGN</u>						
Probabilities are % manual work required. Reciprocal is mechanization rate.						
Order handling/screening	1	0.200		0.20	\$44.31	\$0.15
GOC (Generic Order Control) order log	2	0.200		0.40	\$44.31	\$0.30
Enter WA (Work Authorization) mask	2	0.100		0.20	\$44.31	\$0.15
Prepare loop input/DRI (Design Related Information)	2	0.200		0.40	\$44.31	\$0.30
Circuit design	2	0.100		0.20	\$44.31	\$0.15
Distribute WORD (Work Order Record Detail) document	1	0.050		0.05	\$44.31	\$0.04
Subtotal - DESIGN				1.45		\$1.07
-CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC)						
.15 probability is % orders that require manual dispatch.						
.03 probability is % orders when workitem performed in unmanned office.						
Screen order	2	0.150		0.30	\$37.78	\$0.19
Load work request to technician	5	0.150		0.75	\$37.78	\$0.47
Close out work request with technician	3	0.150	0.030	0.01	\$37.78	\$0.01
Subtotal - CENTRAL OFFICE RESOURCE ADMINISTRATION CENTER (CORAC				1.06		\$0.67
	~	<del></del>	· · · · · · · · · · · · · · · · · · ·		···	
-CENTRAL OFFICE FRAMES  2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Di	etribution Emmo					
Analyze order	5 <i>(110011011 F181116.</i> 5	1.000		5.00	\$43.81	\$3.65
Complete cross connect	4	2.000		8.00	\$43.81	\$5.84
Complete cross contieur	7	2.000		6.00	ψ <del>η</del> ψ.υ I	φυ.04

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Man Appli - allalia					
athanimanang systemas assaultaningan anna <b>Work tea</b> rch s	Time Minutes	Prob #1	Prob Prob Prob Applied Time #2 #3 #4 (Minutes)	Labor /Hour	Cost
A	В	с —	D E F G B*(CThru F)	Н	l H * (G/60)
.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL (con't,					
Dial Tone and AIN test	1	1.000	1.00	\$43.81	\$0.7
Complete work request with CCT-I (Customer Communication Technician-Implementor) Post work request complete in WFA-DI (Work Force Administration - Dispatch In Module)	1 2	1.000 1.000	1.00 2.00	\$43.81 \$43.81	\$0.7 \$1.4
ibiotal - CENTRAL OFFICE FRAMES			17.00		\$12.4
ERVICE DELIVERY IMPLEMENTOR					
Screen WFA (Work Force Administration) for circuit	5	1.000	5.00	\$43.81	\$3.6
Verify LNO completion	1	1.000	1.00	\$43.81	\$0.7
Test Circuit	15	1.000	15.00	\$43.81	\$10.9
Notify customer Complete circuit in WFA/C	1 10	1.000 1.000	1.00 10.00	\$43.81 \$43.81	\$0.7 \$7.3
		1.000		\$ <del>4</del> 3.01	•
btotal - SERVICE DELIVERY IMPLEMENTOR			32.00		\$23.3
*T23NNO28K					
SERVICE DELIVERY COORDINATOR	•	4 000			
Populate required fields Input order into service order processor. Type and format order for billing and provisioning	3 5	1.000 1.000	3.00 5.00	\$40.03 \$40.03	\$2.0
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000	3.00	\$40.03	\$3.3 \$2.0
ibtotal - SERVICE DELIVERY COORDINATOR			11.00		\$7.3
DESIGN CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE					
Probabilities are % manual work required. Reciprocal is mechanization rate.					
Order handling/screening	1	0.100	0.10	\$44.31	\$0.0
GOC (Generic Order Control) order log Enter WA (Work Authorization) mask	2	0.100 0.100	0.20	\$44.31 \$44.31	\$0.1
Disconnect circuit	2	0.100	0.10 0.20	\$44.31 \$44.31	\$0.0 \$0.1
Distribute WORD (Work Order Record Detail) document	1	0.050	0.20	\$44.31	\$0.0
ibtotal - DESIGN			0.65		\$0.4
ENTRAL OFFICE FRAMES					
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect D	)istribution Frame				
Analyze order	5	1.000	5.00	\$43.81	\$3.6
	2.3	2.000	4.60	\$43.81	\$3.3
Remove cross-connect					
Remove cross-connect Complete work request in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000	2.00	\$43.81	\$1.46

-SERVICE DELIVERY IMPLEMENTOR

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Work Rein	Time Minutes	Prob #1	Prob #2	Prob Prob	Appiled Time (Minutes)	Labor /Hour	Cost
Å	В	С	D	E F	G B * (C Thru F)	H	) H * (G/60)
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL (con't,							
Screen WFA (Work Force Administration) for circuit	5	1.000			5.00	\$43.81	\$3.65
Contact customer	1	1.000			1.00	\$43.81	\$0.73
Complete circuit in WFA/C (Work Force Administration - Control Module)	5	1.000			5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR		<u></u>	<u></u>		11.00		\$8.03
Total For Service:	<del></del>				101.94		\$72.47

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Work Him A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4	Applied Time (Minutes) G	Lebor Mour H	Cost
						B * (C Thru F)		H * (G/60)

# 9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL (con't,

11432 Direct Cost		\$72.47]
11433		<b>VII</b>
11434	COST COST	
11435	Calculation Fecto	648 648 90 00 00 00 00 00 00 00 00 00 00 00 00
11436	B C D	E
11437 Marketing & Business Fees		
11438 Product Management Expense	D11438*E11432 0.01	9957 \$1.45
11439 Sales Expense	D11439*E11432 0.01	1877 \$0.86
11440 Product Advertising Expense	D11440*E11432 0.00	0000 \$0.00
11441 Business Fees (Other Operating Taxes)		1483 <u>\$0.11</u>
11442 Total Marketing & Business Fees	Sum(E11432;E11441)	\$2.42
11443		<del></del>
11444 Sub-Total Direct Cost & Marketing	E11432+E11442	\$74.88
11445		
11446 Other Direct Expenses		
11447 Network Operations	D11447*E11444 0.03	4832 \$2.61
11448 Network Support Assets	D11448*E11444 0.01	4703 \$1.10
11449 General Support Assets	D11449*E11444 0.08	8742 \$6.65
11450 General Purpose Computers	D11450*E11444 0.04	3342 \$3.25
11451 Uncollectible	D11451*E11444 0.00	3786 \$0.28
11452 Accounting & Finance Expense	D11452*E11444 0.00	7346 \$0.55
11453 Human Resources Expense	D11453*E11444 0.00	8294 \$0.62
11454 Information Management Expense	<b>D11454*E11444</b> 0.07	0887 \$5.31
11455 Intangibles	D11455*E11444 0.00	0000 \$0.00
11456 Total Other Direct Expenses	Sum(E11447:E11455)	\$20.36
11457		
11458 TELRIC	E11447+E11456	\$95.25
11459		
11460 Common	<b>5.44.55.45.55.</b>	
11461 Executive Expense	D11461*E11458 0.01	
11462 Planning Expense	D11462*E11458 0.000	
11463 External Relations Expense	D11463*E11458 0.03	
11464 Legal Expense	D11464*E11458 0.00	
11465 Other Procurement Expense	D11465°E11458 0.00°	
11466 Research & Development Expense	D11466*E11458 0.000	
11467 Other General and Admin Expense	D11467*E11456 0.015	
11468 Common Costs	Sum(E11461:E11467)	\$6.79
11469		- 0400 -
11470 TELRIC + Common Costs	E11458+E11468	\$102.04

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Work Ress	Time Minutes	Prob #1	Prob #2	Prot:	Prob #4	Applied Time (Minutes)	Labor /Hour	Cast
Ä	В	C	D	E	F	G	H	
						B*(CThruF)		H * (G/60)
ACCOUNT CODES, PER SYSTEM								
*ADD*								
-RCMAC								
1st probability is % by switch type Translations - SW1	1	0.660				0.66	\$43.81	\$0.48
Translations - SW2	1	0.340				0.34	\$43.81	\$0.25
Subtotal - RCMAC						1.00		\$0.73
-NROC								
1st probability is % by switch type Administration - sw1	20	0.660				13.20	\$41.45	\$9.12
Maintenance - sw1	20	0.660				13.20	\$41.45	\$9.12
Administration - sw2	60	0.340				20.40	\$41.45	\$14.09
Maintenance - sw2	105	0.340				35.70	\$41.45	\$24.66
Subtotal - NROC						82.50		\$56.99
Total For Service:						83.50		\$57.72

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Work Item A	Time Minutes B	Prob Pr FI I	rob <b>Prob</b> 1 <b>2 K3</b> D E	Prob Applied Time ( #4 (Minutes) / F G	abor Hour Cost
				B * (C Thru F)	H * (G/60)

# ACCOUNT CODES, PER SYSTEM (con't)

1522   Insect Cost	44500			
11524   11525   11526   11527   Marketing & Business Fees   11528   11529   Marketing & Business Fees   11528   This Product Management Expense   11528   Expense   11528   Expense   11528   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   11529   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expense   Expe				301.16
11525			NOT CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	
11528	11=1			
11527   Marketing & Business Fees	· · · - · ·			
11528 Product Management Expense   D11528*E11522   0.019875   \$1.15   11529 Sales Expense   D11529*E11522   0.011877   \$0.89   11530 Product Artvertising Expense   D11530*E11522   0.000000   \$0.00   11531 Business Fees (Other Operating Taxes)   D11531*Sum(E11522:E11531)   0.01483   \$0.09   11531*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522:E11531)   0.01483   \$0.09   11533*Sum(E11522*Sum(E11522*Sum(E11522*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*Sum(E11523*S				
11529 Sales Expense		D11539#E11599	0.010057	Ø4 4E
11530 Product Advertising Expense   D11530*E11522   0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00				•
11531 Business Fees (Other Operating Taxes)				
11532   Total Marketing & Buelness Fees   Sum(E11522:E11531)   \$1.93     11534   Sub-Total Direct Cost & Marketing   E11522+E11532   \$59.65     11535   Sub-Total Direct Expenses   Sum(E11534   0.034832   \$2.08     11537   Network Operations   D11537*E11534   0.04832   \$2.08     11538   Network Support Assets   D11538*E11534   0.048742   \$5.29     11539   General Support Assets   D11539*E11534   0.088742   \$5.29     11540   General Purpose Computer   D11540*E11534   0.04342   \$2.59     11540   General Purpose Computer   D11540*E11534   0.003766   \$0.23     11542   Accounting & Finance Expense   D11542*E11534   0.007346   \$0.44     11543   Human Resources Expense   D11542*E11534   0.000289   \$0.44     11543   Human Resources Expense   D11543*E11534   0.000829   \$0.49     11544   Information Management Expense   D11544*E11534   0.00000   \$0.00     11545   Intangibles   D11545*E11545   0.00000   \$0.00     11547   Summan Resources Expense   D11545*E11545   S16.22     11547   Summan Resources Expense   D11551*E11548   0.00000   \$0.00     11550   Common   Summan Resources   D11551*E11548   0.00025   \$0.04     11552   Planning Expense   D11551*E11548   0.00025   \$0.04     11553   Excutive Expense   D11551*E11548   0.00786   \$0.85     11554   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common   S1555   Common				
11533   Sub-Total Direct Cost & Marketing			0.001463	
11534 Sub-Total Direct Expenses		Sum(E11522:E11531)		\$1.93
11536   Other Direct Expenses		E11500 : E11500		eco eci
11536   Other Direct Expenses		E11922+E11932		\$59.05
11537 Network Operations				
11538 Network Support Assets		D44E97TC44E94	0.004000	<b>#0.00</b>
11539 General Support Assets				
11540 General Purpose Computers				•
11541 Uncollectible				
11542 Accounting & Finance Expense   D11542*E11534   D.007346   \$0.44     11543 Human Resources Expense   D11543*E11534   D.008294   \$0.48     11544 Information Management Expense   D11544*E11534   D.0070887   \$4.23     11545 Intangibles   D11545*E11534   D.000000   \$0.00     11546   Total Other Direct Expenses   Sum(E11537:E11545)   \$16.22     11547				•
11543 Human Resources Expense				
11544 Information Management Expense   D11544*E11534   0.070887   \$4.23   11545 Intangibles   D11545*E11534   0.000000   \$0.00   11546   Total Other Direct Expenses   Sum(E11537:E11545)   \$16.22   11547				
11545   Intangibles				
11548   Total Other Direct Expenses   Sum(E11537:E11545)   \$16.22    11547     11548   TELRIC   E11537+E11546   \$75.87     11549     11550   Common     11551   Executive Expense   D11551*E11548   0.011267   \$0.85   11552   Planning Expense   D11552*E11548   0.000525   \$0.04   11553   External Relations Expense   D11553*E11548   0.037846   \$2.04   11553   External Relations Expense   D11553*E11548   0.004717   \$0.36   11555   Other Procurement Expense   D11555*E11548   0.001860   \$0.14   11556   Research & Development Expense   D11556*E11548   0.000006   \$0.00   11557   Other General and Admin Expense   D11557*E11548   0.000006   \$0.00   11557   Other General and Admin Expense   D11557*E11548   0.015064   \$1.14   11558   Common Costs   Sum(E11551:E11557)   \$5.41   11559   Expense   E11551:E11557   \$5.41   11559   E11557   E11557   E11557   E11557   E11558   E11557   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11557   E11557   E11558   E11557   E11557   E11558   E11557   E11558   E11557   E11558   E11557   E11558   E11557   E11558   E11558   E11557   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E11558   E1155				•
11547   11548   TELRIC			0.000000	
11548 TELRIC		Sum(E11537:E11545)		\$16.22
11549         11550 Common         11551 Executive Expense       D11551*E11548       0.011267       \$0.85         11552 Planning Expense       D11552*E11548       0.000525       \$0.04         11553 External Relations Expense       D11553*E11548       0.037846       \$2.87         11554 Legal Expense       D11554*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 Common Costs       Sum(E11551:E11557)       \$5.41		F11537_F11546		\$75.87
11550 Common       11551 Executive Expense       D11551*E11548       0.011267       \$0.85         11552 Planning Expense       D11552*E11548       0.000525       \$0.04         11553 External Relations Expense       D11553*E11548       0.037846       \$2.87         11554 Legal Expense       D11954*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 Common Costs       Sum(E11551:E11557)       \$5.41		<u> </u>	<del>-</del>	<u> </u>
11551 Executive Expense       D11551*E11548       0.011267       \$0.85         11552 Planning Expense       D11552*E11548       0.000525       \$0.04         11553 External Relations Expense       D11553*E11548       0.037846       \$2.87         11554 Legal Expense       D11554*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.00006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 Common Costs       Sum(E11551:E11557)       \$5.41         11559				
11552 Planning Expense       D11552*E11548       0.000525       \$0.04         11553 External Relations Expense       D11553*E11548       0.037846       \$2.87         11554 Legal Expense       D11554*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11559 Common Costs       Sum(E11551:E11557)       \$5.41		D11551*E11548	0.011267	\$0.85
11553 External Relations Expense       D11553*E11548       0.037846       \$2.87         11554 Legal Expense       D11554*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11559 Common Costs       Sum(E11551:E11557)       \$5.41		D11552*E11548	0.000525	\$0.04
11554 Legal Expense       D11554*E11548       0.004717       \$0.36         11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 Common Costs       Sum(E11551:E11557)       \$5.41         11559		D11553*E11548	0.037846	
11555 Other Procurement Expense       D11555*E11548       0.001860       \$0.14         11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 Common Costs       Sum(E11551:E11557)       \$5.41         11559				
11556 Research & Development Expense       D11556*E11548       0.000006       \$0.00         11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 [Common Costs       Sum(E11551:E11557)       \$5.41         11559				
11557 Other General and Admin Expense       D11557*E11548       0.015064       \$1.14         11558 [Common Costs       Sum(E11551:E11557)       \$5.41         11559				
11558 Common Costs Sum(E11551:E11557) \$5.41				
11559				
				<u> </u>
		E11548+E11558		\$81.28

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item	Time Minutes	Prob #1	Prob Pro #2 #3		Applied Time (Minutes)	Lebor Mour	Cost
Α	В	c —	_DE	· F	G B*(C Thru F)	Н	H * (G/60)
ATTENDANT ACCESS LINE - PER STATION LINE							
*ADD*							
-RCMAC 1st probability is % by switch type							
Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Translations - SW2	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC							
1st probability is average number of lines (200 lines in a system)							
2nd probability is % by switch type Administration - sw1	15	0.005	0.660		0.05	\$41.45	\$0.03
Maintenance - sw1	15	0.005	0.660		0.05	\$41.45	\$0.03
Administration - sw2 Maintenance - sw2	15 15	0.005 0.005	0.340 0.340		0.03 0.03	\$41.45 \$41.45	\$0.02 \$0.02
			· · · · · · · · · · · · · · · · · · ·				
Subtotal - NROC			<u> </u>		0.15		\$0.10
Total For Service:					1.15		\$0.83

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem A	Time Minutes B	Prob Pro #1 #2 C D	b Prab #3 E	Prob Applied Time # (Minutes) F G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

## ATTENDANT ACCESS LINE - PER STATION LINE (con't)

1648 Common Costs	Sum(E11641:E11647)	0.010007	\$0.0
11647 Other General and Admin Expense	D11647*E11638	0.015064	\$0.0
11646 Research & Development Expense	D11646*E11638	0.000006	\$0.0
1645 Other Procurement Expense	D11644*E11638	0.004717	\$0.0 \$0.0
11643 External Relations Expense 11644 Legal Expense	D11643*E11638 D11644*E11638	0.037846 0.004717	\$0.
1642 Planning Expense	D11642*E11638	0.000525	\$0.
11641 Executive Expense	D11641*E11638	0.011267	\$0.
1640 Common	D44044F44C00	0.04400=	
1639			
1638 TELRIC	E11627+E11636		\$1.
11637			
1636 Total Other Direct Expenses	Sum(E11627:E11635)		\$0
11635 Intangibles	D11635*E11624	0.000000	\$0
11634 Information Management Expense	D11634*E11624	0.070887	\$0
11633 Human Resources Expense	D11633*E11624	0.008294	\$0
11632 Accounting & Finance Expense	D11632*E11624	0.007346	\$0
11631 Uncollectible	D11631*E11624	0.003786	\$0
11630 General Purpose Computers	D11630*E11624	0.043342	\$0
11629 General Support Assets	D11629*E11624	0.088742	\$0
11628 Network Support Assets	D11628*E11624	0.014703	\$0
1627 Network Operations	D11627*E11624	0.034832	\$0
1626 Other Direct Expenses			
11625		<del> </del>	
11624 Sub-Total Direct Cost & Marketing	E11612+E11622		\$0
11623			
11622 Total Marketing & Business Fees	Sum(E11612:E11621)	0.001403	\$C
11621 Business Fees (Other Operating Taxes)	D11621*Sum(E11612:E11620)	0.001483	\$0
11620 Product Advertising Expense	D11620*E11612	0.000000	\$0
11619 Sales Expense	D11619*E11612	0.019957	\$0 \$0
11617 <i>Marketing &amp; Business Fees</i> 11618 Product Management Expense	D11618*E11612	0.019957	œ.
		· ·	- €
11615 11616	Galculation C	Factor	Cost
11614	Cost Calculation	Cost	
44044	TREADURES . "THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T	(DCOM) - Tempero DCDCOMpagagagaga	actack@c@urrare

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Total For Service:				1.00		\$0.73
Subtotal - RCMAC				1.00		\$0.73
1st probability is % by switch type Translations - SW1 Translations - SW2	1 1	0.660 0.340		0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
*ADD* -RCMAC						
AUDIBLE MESSAGE WAITING						
A	В —	С.	D E F	G B * (C Thru F)	Н -	H * (G/60)
Work June	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor /Hour	Cost

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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mannan ga asan amin'ny na manana ara-daharana ara-daharana ara-daharana ara-daharana ara-daharana ara-daharan	Time Minutes			Prob Applied Time #4 (Minutes)	Lebor Afour Cost
A	В —	<u> </u>	) <u> </u>	F G	H
				B * (C Thru F)	H * (G/60)

### AUDIBLE MESSAGE WAITING (con't,

11703			
11704	Cost	Cost	
11705	Calculation	Factor	Cost
11706	В С	D	E
11707 Marketing & Business Fees			
11708 Product Management Expense	D11708*E11702	0.019957	\$0.01
11709 Sales Expense	D11709*E11702	0.011877	\$0.0
11710 Product Advertising Expense	D11710*E11702	0.000000	\$0.00
11711 Business Fees (Other Operating Taxes)	D11711*Sum(E11702:E11710)	0.001483	\$0.00
11712 Total Marketing & Business Fees	Sum(E11702:E11711)		\$0.02
11713			
11714 Sub-Total Direct Cost & Marketing	E11702+E11712		\$0.75
11715			
11716 Other Direct Expenses			
11717 Network Operations	D11717*E11714	0.034832	\$0.03
11718 Network Support Assets	D11718*E11714	0.014703	\$0.01
11719 General Support Assets	D11719*E11714	0.088742	\$0.07
11720 General Purpose Computers	D11720*E11714	0.043342	\$0.03
11721 Uncollectible	D11721*E11714	0.003786	\$0.00
11722 Accounting & Finance Expense	D11722*E11714	0.007346	\$0.01
11723 Human Resources Expense	D11723*E11714	0.008294	\$0.01
11724 Information Management Expens∈	D11724*E11714	0.070887	\$0.05
11725 Intangibles	D11725*E11714	0.000000	\$0.00
11726 Total Other Direct Expenses	Sum(E11717:E11725)		\$0.21
11727			
11728 TELRIC	E11717+E11726		\$0.96
11729			
11730 Common			
11731 Executive Expense	D11731*E11728	0.011267	\$0.01
11732 Planning Expense	D11732*E11728	0.000525	\$0.00
11733 External Relations Expense	D11733*E11728	0.037846	\$0.04
11734 Legal Expense	D11734*E11728	0.004717	\$0.00
11735 Other Procurement Expense	D11735*E11728	0.001860	\$0.00
11736 Research & Development Expense	D11736*E11728	0.000006	\$0.00
11737 Other General and Admin Expense	D11737*E11728	0.015064	\$0.01
11738 Common Costs 11739	Sum(E11731:E11737)		\$0.07

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Dett	Time Minutes	Prob #1	Prob Prob	Prob M	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D E	F	G 3 * (C Thru F)	H	I H * (G/60)
				•	(01111011)		11 (0/00)
AUTHORIZATION CODES - PER SYSTEM							
*ADD*							
-RCMAC							
1st probability is % by switch type Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Subtotal - RCMAC					0.66		\$0.48
-NROC							
1st probability is % by switch type Administration - sw1	150	0.660			99.00	\$41.45	\$68.39
Maintenance - sw1	140	0.660			92.40	\$41.45	\$63.83
Administration - sw2	70	0.340			23.80	\$41.45	\$16.44
Maintenance - sw2	100	0.340			34.00	\$41.45	\$23.49
Subtotal - NROC					249.20		\$172.16
Total For Service:					249.86		\$172.64

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item A	Time	Prob	Prob Prob	Prob Applied Time	Lattor
	Minutes	#1	#2 #3	#4 (Minutes)	Mour Cost
	B	C	D E	F G	H
				B * (C Thru F)	H * (G/60)

## AUTHORIZATION CODES - PER SYSTEM (con't)

11792 Direct Cost			\$172.84
11793			
11794	Cost	Cost	
11795	Calculation	Factor	Cost
11796	<u> </u>	D	E
11797 Marketing & Business Fees			
11798 Product Management Expense	D11798*E11792	0.019957	\$3.45
11799 Sales Expense	D11799*E11792	0.011877	\$2.05
11800 Product Advertising Expense	D11800*E11792	0.000000	\$0.00
11801 Business Fees (Other Operating Taxes)	D11801*Sum(E11792:E11800)	0.001483	\$0.26
11802 Total Marketing & Business Fees	Sum(E11792:E11801)		\$5.76
11803			
11804 Sub-Total Direct Cost & Marketing	E11792+E11802		\$178.40
11805			
11806 Other Direct Expenses			
11807 Network Operations	D11807*E11804	0.034832	\$6.21
11808 Network Support Assets	D11808*E11804	0.014703	\$2.62
11809 General Support Assets	D11809*E11804	0.088742	\$15.83
11810 General Purpose Computers	D11810*E11804	0.043342	\$7.73
11811 Uncollectible	D11811*E11804	0.003786	\$0.68
11812 Accounting & Finance Expense	D11812*E11804	0.007346	\$1.31
11813 Human Resources Expense	D11813*E11804	0.008294	\$1.48
11814 Information Management Expense	D11814*E11804	0.070887	\$12.65
11815 Intangibles	D11815*E11804	0.000000	\$0.00
11816 Total Other Direct Expenses	Sum(E11807:E11815)		\$48.51
11817			
11818 TELRIC	E11807+E11816		\$226.91
11819			_
11820 Common			
11821 Executive Expense	D11821*E11818	0.011267	\$2.56
11822 Planning Expense	Dt1822*E11818	0.000525	\$0.12
11823 External Relations Expense	D11823*E11818	0.037846	\$8.59
11824 Legal Expense	D11824*E11818	0.004717	\$1.07
11825 Other Procurement Expense	D11825°E11818	0.001860	\$0.42
11826 Research & Development Expense	D11826*E11818	0.000006	\$0.00
11827 Other General and Admin Expense	D11627*E11818	0.015064	\$3.42
11828 Common Costs	Sum(E11821:E11827)		\$16.18
11829			
11830 TELRIC + Common Costs	E11818+E11828		\$243.08

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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\$0.25

0.34

Work Rein A	Time Minutes B	Prob #1 C	olb Pro 19 An E F		Labor Mour H	<b>Cost</b> I H * (G/60)
AUTOMATIC LINE, per station line						
*ADD*						
-RCMAC 1st probability is % by switch type Translations - SW2	1	0.340		0.34	\$43.81	\$0.25
Subtotal - RCMAC			 	0.34		\$0.25

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work them	Time Minutes B	Prob #1	Proti #2 D		abor Hour Cost H
				B * (C Thru F)	H * (G/60)

# AUTOMATIC LINE, per station line (con't)

1882   Direct Coef				
1884				30.20
11885     11886     11886     11887     11888     11888     11882     11888   11882     11888   11882     11888   11882     11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888   11888     11889     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899     11899			- And	
1888   Marketing & Business Fees				Cnot
11887 Marketing & Business Fees				
11888 Product Management Expense   D11889*E11882   0.019957   \$0.00   11899 Sales Expense   D11890*E11882   0.011897   \$0.000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.	****			•
1889 Sales Expense		D11000*E11002	0.010067	60.00
11890 Product Advertising Expense   D11891*Sum(E11882:E11890)   0.000000   \$0.00   1891 Business Fees (Other Operating Taxes)   50.001   1893 Sum(E11882:E11890)   0.001483   \$0.000   1893 Sum(E11882:E11890)   0.001483   \$0.001   1893 Sub-Total Direct Cost & Marketing   E11882-E11892   \$0.028   1895 Sub-Total Direct Cost & Marketing   E11882-E11892   \$0.28   1895 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expenses   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-Total Direct Expense   \$0.000 Sub-		# <del>-</del>		• • • • •
11891   Business Fees (Other Operating Taxes)   D11891*Sum(E11882:E11891)   30.01   1892   Total Marketing & Business Fees   Sum(E11882:E11891)   30.01   1893   1894   Sub-Total Direct Cost & Marketing   E11882+E11892   50.26   1895   1895   1895   1896   Other Direct Expenses   D11897*E11894   0.034832   \$0.01   1898   Other Direct Expenses   D11898*E11894   0.04703   50.00   1898   General Support Assets   D11898*E11894   0.04342   50.02   1896   Other Direct Expenses   D11898*E11894   0.04342   50.02   1890   Other Direct Expenses   D11899*E11894   0.04342   50.02   1890   Other Direct Expenses   D11899*E11894   0.04342   50.02   1890   Other Direct Expense   D11900*E11894   0.03786   50.00   1902   Other Direct Expense   D11900*E11894   0.007346   50.00   1902   Other Direct Expense   D11902*E11894   0.007346   50.00   1904   Information Management Expense   D11902*E11894   0.006294   50.00   1904   Information Management Expense   D11904*E11894   0.00000   50.00   1905   Intangibles   D11905*E11894   0.00000   50.00   1905   Intangibles   D11905*E11894   0.00000   50.00   1907   1907   1908   TELRIC   E11897*E11905   50.07   1907   1908   TELRIC   E11897*E11906   0.00000   50.00   1919   Other Expense   D11912*E11906   0.000525   50.00   1919   Expense   D11912*E11908   0.0037846   50.01   1919   Expense   D11912*E11908   0.0037846   50.01   1919   Expense   D11912*E11908   0.00000   50.00   1919   Other Procurement Expense   D11912*E11908   0.00000   50.00   1919   Other Procurement Expense   D11915*E11908   0.000006   50.00   1919   Other Procurement Expense   D11915*E11908   0.001860   50.00   1919   Other Other Other Other Direct Expense   D11915*E11908   0.001860   50.00   1919   Other Other Other Direct Expense   D11915*E11908   0.001860   50.00   1919   Other Other Other Direct Expense   D11915*E11908   0.001860   50.00   1919   Other Other Direct Expense   D11915*E11908   0.001860   50.00   1919   Other Other Direct Expense   D11915*E11908   0.001860   50.00   1918   Other Direct Expense   D11915				
11892   Total Marketing & Business Fees				
11893			0.001463	
11894 Sub-Total Direct Cost & Marketing		3dil(E11002.E11031)		\$0.01
11895   11896   Other Direct Expenses		E11882-E11902		\$0.26
11896   Other Direct Expenses		E11002+E11032	<del></del>	30.20
11897 Network Operations   D11897*E11894   0.034832   \$0.01   \$1898 Network Support Assets   D11896*E11894   0.014703   \$0.00   \$1898 Network Support Assets   D11890*E11894   0.043703   \$0.00   \$1890 General Support Assets   D11900*E11894   0.043342   \$0.01   \$1900 Uncollectible   D11900*E11894   0.043342   \$0.01   \$1901 Uncollectible   D11900*E11894   0.003786   \$0.00   \$1902 Accounting & Finance Expense   D11902*E11894   0.007346   \$0.00   \$0.00   \$1903*E11894   0.008294   \$0.00   \$0.00   \$1904 Information Management Expense   D11903*E11894   0.070887   \$0.02   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$	· ·			
11898 Network Support Assets	· · · · · · · · · · · · · · · · · · ·	D11907+E1190A	0.024822	<b>\$0.01</b>
11899 General Support Assets   D11899*E11894   0.088742   \$0.02     11900 General Purpose Computers   D11900*E11894   0.043342   \$0.01     11901 Uncollectible   D11901*E11894   0.003786   \$0.00     11902 Accounting & Finance Expense   D11902*E11894   0.007346   \$0.00     11903 Human Resources Expense   D11903*E11894   0.008294   \$0.00     11904 Information Management Expense   D11904*E11894   0.070887   \$0.02     11905 Intangibles   D11905*E11894   0.00000   \$0.00     11906   Total Other Direct Expenses   D11905*E11894   0.00000   \$0.00     11908   TELRIC   E11897*E11905   \$0.07     11909   Tellipos   E11897*E11906   \$0.33     11909   Tellipos   D11911*E11908   0.011267   \$0.00     11910 Common   T1911 Executive Expense   D11912*E11908   0.00525   \$0.00     11913 External Relations Expense   D11913*E11908   0.037846   \$0.01     11914 Legal Expense   D11913*E11908   0.037846   \$0.01     11914 Legal Expense   D11915*E11908   0.00777   \$0.00     11916 Research & Development Expense   D11915*E11908   0.004717   \$0.00     11916 Research & Development Expense   D11915*E11908   0.001860   \$0.00     11917 Other General and Admin Expense   D11916*E11908   0.0015064   \$0.00     11918   Common Costs   Sum(E11911;E11917)   \$0.02     11919   Tother General and Admin Expense   D11917*E11908   0.015064   \$0.00     11919   Tother General and Admin Expense   D11917*E11908   0.015064   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11919   Common Costs   Sum(E11911;E11917)   \$0.00     11910   Common Costs   Common Costs   Sum(E11911;E11917)   \$0.00     11910   Common Costs   Common Cos				
11900 General Purpose Computers   D11900*E11894   0.043342   \$0.01     11901 Uncollectible   D11901*E11894   0.003786   \$0.00     11902 Accounting & Finance Expense   D11902*E11894   0.007346   \$0.00     11903 Human Resources Expense   D11903*E11894   0.00294   \$0.00     11904 Information Management Expense   D11904*E11894   0.070887   \$0.02     11905 Intangibles   D11905*E11894   0.00000   \$0.00     11906 Total Other Direct Expenses   D11905*E11894   0.000000   \$0.00     11908 TELRIC   E11897*E11905   \$0.07     11909 Telling   Expense   E11897*E11906   \$0.33     11909 Telling   Expense   D11911*E11908   0.011267   \$0.00     11911 Executive Expense   D11912*E11908   0.00525   \$0.00     11912 Planning Expense   D11913*E11908   0.037846   \$0.01     11913 External Relations Expense   D11913*E11908   0.037846   \$0.01     11914 Legal Expense   D11914*E11908   0.004717   \$0.00     11915 Other Procurement Expense   D11915*E11908   0.004717   \$0.00     11916 Research & Development Expense   D11915*E11908   0.00006   \$0.00     11917 Other General and Admin Expense   D11916*E11908   0.00006   \$0.00     11917 Other General and Admin Expense   D11917*E11908   0.015064   \$0.00     11918 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02     11919 Common Costs   Sum(E11911:E11917)   \$0.02				
11901 Uncollectible   D11901*E11894   0.003786   \$0.00   11902 Accounting & Finance Expense   D11902*E11894   0.007346   \$0.00   11903 Human Resources Expense   D11903*E11894   0.008294   \$0.00   11904 Information Management Expense   D11904*E11894   0.070887   \$0.02   11905 Intangibles   D11905*E11894   0.000000   \$0.00   11906   Total Other Direct Expenses   D11905*E11894   0.000000   \$0.00   11907   11907				
11902 Accounting & Finance Expense   D11902*E11894   0.007346   \$0.00   11903 Human Resources Expense   D11903*E11894   0.008294   \$0.00   11904 Information Management Expense   D11904*E11894   0.070887   \$0.02   11905 Intangibles   D11905*E11894   0.000000   \$0.00   11905 Intangibles   D11905*E11894   0.000000   \$0.00   11905 Intangibles   D11905*E11894   0.000000   \$0.00   11905 Intangibles   D11905*E11895				
11903 Human Resources Expense   D11903*E11894   0.008294   \$0.00   11904 Information Management Expense   D11904*E11894   0.070887   \$0.02   11905 Intangibles   D11905*E11894   0.000000   \$0.00   11905*E11894   0.000000   \$0.00   11905*E11894   0.000000   \$0.00   11905*E11895				
11904 Information Management Expense   D11904*E11894   0.070887   \$0.02   \$1905 Intangibles   D11905*E11894   0.000000   \$0.00   \$0.00   \$1906   \$7060 Other Direct Expenses   \$1907   \$1907   \$1908   \$E11897*E11906   \$0.33   \$1909   \$1910 Common   \$1910 Common   \$1911 Executive Expense   D11911*E11908   0.011267   \$0.00   \$1912 Planning Expense   D11912*E11908   0.000525   \$0.00   \$1913 External Relations Expense   D11913*E11908   0.037846   \$0.01   \$1914 Legal Expense   D11914*E11908   0.004717   \$0.00   \$1915 Other Procurement Expense   D11915*E11908   0.001860   \$0.00   \$0.00   \$1915 Other Procurement Expense   D11915*E11908   0.001860   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.0				-
11905   Intangibles   D11905*E11894   0.000000   \$0.00     11906   Total Other Direct Expenses   Sum(E11897:E11905)   \$0.07     11907			<del>-</del>	
11906   Total Other Direct Expenses   Sum(E11897:E11905)   \$0.07     11907     11908   E11897+E11906   \$0.33     11909     11910   Common     11911   Executive Expense   D11911*E11908   0.011267   \$0.00     11912   Planning Expense   D11912*E11908   0.00525   \$0.00     11913   External Relations Expense   D11913*E11908   0.037846   \$0.01     11914   Legal Expense   D11914*E11908   0.004717   \$0.00     11915   Other Procurement Expense   D11915*E11908   0.001860   \$0.00     11916   Research & Development Expense   D11915*E11908   0.000006   \$0.00     11917   Other General and Admin Expense   D11917*E11908   0.015064   \$0.00     11918   Common Costs   Sum(E11911:E11917)   \$0.02     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0.00   \$0.00     11919   \$0				
11907       11908 TELRIC       E11897+E11906       \$0.33         11909       1910 Common       \$0.00         11911 Executive Expense       D11911*E11908       0.011267       \$0.00         11912 Planning Expense       D11912*E11908       0.00525       \$0.00         11913 External Relations Expense       D11913*E11908       0.037846       \$0.01         11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02         11919			0.000000	
11908 TELRIC   E11897+E11906   \$0.33     11909		Sum(E11897:E11905)		\$0.07
11909         11910 Common         11911 Executive Expense       D11911*E11908       0.011267       \$0.00         11912 Planning Expense       D11912*E11908       0.000525       \$0.00         11913 External Relations Expense       D11913*E11908       0.037846       \$0.01         11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 [Common Costs       Sum(E11911:E11917)       \$0.02		E11807. E11004		\$0.33
11910 Common       11911 Executive Expense       0.011911*E11908       0.011267       \$0.00         11912 Planning Expense       D11912*E11908       0.000525       \$0.00         11913 External Relations Expense       D11913*E11908       0.037846       \$0.01         11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02				φυ.ου
11911 Executive Expense       D11911*E11908       0.011267       \$0.00         11912 Planning Expense       D11912*E11908       0.000525       \$0.00         11913 External Relations Expense       D11913*E11908       0.037846       \$0.01         11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.00006       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02         11919	· · · · ·			
11912 Planning Expense       D11912*E11908       0.000525       \$0.00         11913 External Relations Expense       D11913*E11908       0.037846       \$0.01         11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.00006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02         11919	**************************************	D11911*F11908	0.011267	\$0.00
11913 External Relations Expense       D11913*Ε11908       0.037846       \$0.01         11914 Legal Expense       D11914*Ε11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*Ε11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*Ε11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*Ε11908       0.015064       \$0.00         11918 [Common Costs       Sum(Ε11911:Ε11917)       \$0.02				
11914 Legal Expense       D11914*E11908       0.004717       \$0.00         11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 [Common Costs       Sum(E11911:E11917)       \$0.02         11919				
11915 Other Procurement Expense       D11915*E11908       0.001860       \$0.00         11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02         11919       Sum(E11911:E11917)       \$0.02				
11916 Research & Development Expense       D11916*E11908       0.000006       \$0.00         11917 Other General and Admin Expense       D11917*E11908       0.015064       \$0.00         11918 Common Costs       Sum(E11911:E11917)       \$0.02         11919				
11917 Other General and Admin Expense         D11917*E11908         0.015064         \$0.00           11918 Common Costs         Sum(E11911:E11917)         \$0.02           11919         Sum(E11911:E11917)         \$0.02				
11918 Common Costs Sum(E11911:E11917) \$0.02				
11919			3.013004	
		OMINICE TO THE TOTAL		ψ0.02
		E11908+E11918	<del></del>	\$0.35

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Rem	Time Minutes	Prob #1		rob Applied Time rd (Minutes)	Labor Mour	Cost
A	В	Ċ	D E	F G B*(C Thru F)	Н	l H * (G/60)
				2 (0 /)		(0.00)
ARS - COMMON EQUIPMENT, per system						
*ADD*						
-NROC						
1st probability is % by switch type Administration - sw1	1590	0.660		1049.40	\$41.45	\$724.96
Maintenance - sw1	1575	0.660		1039.50	\$41.45	\$718.12
Administration - sw2	125	0.340		42.50	\$41.45	\$29.36
Maintenance - sw2	180	0.340		61.20	\$41.45	\$42.28
Subtotal - NROC				2,192.60		\$1,514.72
Total For Service:			<u> </u>	2,192.60		\$1,514.72

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work tum A	Time Minutes B	A SUBSECUENCE OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SE	rob Applied Time #4 (Minutes) F G	Lebor Mour Cost
			B * (C Thru F)	H * (G/60)

# ARS - COMMON EQUIPMENT, per system (con't)

11972 Direct Cost 11973		\$1,514.7
11973	Cost	
11975	Calculation Facto	r Cost
11976	B C D	E COST
11977 Marketing & Business Fees 11978 Product Management Expense	D11978*E11972 0.01	nocz épole
11979 Sales Expense	D11978*E11972 0.01 D11979*E11972 0.01	•
11980 Product Advertising Expense		1077 \$17.8 0000 \$0.0
11981 Business Fees (Other Operating Taxes)	D11980 E11972 E11980; 0.00	
11982 Total Marketing & Business Fees	Sum(E11972:E11981)	
11962 Total marketing & business rees	SUM(E119/2;E11901)	\$50.5
11984 Sub-Total Direct Cost & Marketing	E11972+E11982	\$1,565.2
11985	E11972+E11902	\$1,505.2
11986 Other Direct Expenses		
11987 Network Operations	D11987*E11984 0.03	4832 <b>\$5</b> 4.5
11988 Network Support Assets	D11988*E11984 0.01	
11989 General Support Assets	D11989*E11984 0.08	
11990 General Purpose Computers	D11990*E11984 0.04	
11991 Uncollectible	D11991*E11984 0.00	-
11992 Accounting & Finance Expense	D11992*E11984 0.00	
11993 Human Resources Expense	D11993*E11984 0.00	
11993 Human Resources Expense 11994 Information Management Expense	D11994*E11984 0.00	
11995 Intangibles		
	D11995*E11984 0.00	
11996 Total Other Direct Expenses	Sum(E11987:E11995)	\$425.6
11998 TELRIC	E11987+E11996	\$1,990.9
11999	· · · · · · · · · · · · · · · · · · ·	
12000 Common		
12001 Executive Expense	D12001*E11998 0.01	
12002 Planning Expense	D12002*E11998 0.00	
12003 External Relations Expense	D12003*E11998 0.03	7 <b>8</b> 46 \$75.3
12004 Legal Expense	D12004*E11998 0.004	
12005 Other Procurement Expense	D12005*E11998 0.00	
12006 Research & Development Expense	D12006*E11998 0.000	0006 \$0.0
12007 Other General and Admin Expense	D12007*E11998 0.018	6064 \$29.9
12008 Common Costs	Sum(E12001:E12007)	\$141.9
12009		
12010 TELRIC + Common Costs	E11998+E12008	\$2,132.8

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Total For Service:

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0.34

Date: 06/03/02

\$0.25

Subtotal - RCMAC					0.34		\$0.25
-RCMAC 1st probability is % by switch type Translations - SW2	1	0.340			0.34	\$43.81	\$0.25
*ADD*							
CALL DROP							
A	В	C	D E	F	G B * (C Thru F)	H	I H * (G/60)
Work tem	Time Minutes	Prob #1	Prob Prof		Applied Time (Minutes)	Labor /Hour	Cost

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Page 297 Of 716 ENRC Version: 2.16 Date: 06/03/02

H \* (G/60)

Time Minutes Applied Time (Minutes) Prob Prob Prob Prob Labor Work Rem G B\*(CThruF)

## CALL DROP (con't)

2066 2067 Marketing & Business Fees 2068 Product Management Expense 2069 Sales Expense 2070 Product Advertising Expense	Cost Calculation B C D12068*E12062	Cost Factor D	\$0.25 Cost
2064 2065 2066 2067 Marketing & Business Fees 2068 Product Management Expense 2069 Sales Expense 2070 Product Advertising Expense	Calculation B C D12068*E12062	Factor D	
2065 2066 2067 Marketing & Business Fees 2068 Product Management Expense 2069 Sales Expense 2070 Product Advertising Expense	Calculation B C D12068*E12062	Factor D	
2066 2067 Marketing & Business Fees 2068 Product Management Expense 2069 Sales Expense 2070 Product Advertising Expense	B C D12068*E12062	D	
2067 Marketing & Business Fees 2068 Product Management Expense D 2069 Sales Expense D 2070 Product Advertising Expense	D12068°E12062		\$30,000 ment (\$30,000 ment)
2068 Product Management Expense D 2069 Sales Expense D 2070 Product Advertising Expense	<del>-</del>		
2069 Sales Expense D 2070 Product Advertising Expense D	<del>-</del>		60.00
2070 Product Advertising Expense	)12UK9*F12UK2	0.019957	\$0.00
		0.011877	\$0.00
2071 Business Fees (Other Operating Taxes)	D12070*E12062	0.000000	\$0.00
	012071*Sum(E12062:E12070)	0.001483	\$0.00
	Sum(E12062:E12071)		\$0.01
2073			
	12062+E12072		\$0.26
2075			
2076 Other Direct Expenses			
	D12077*E12074	0.034832	\$0.01
	012078*E12074	0.014703	\$0.00
	012079°E12074	0.088742	\$0.02
mana mananan mankanan aran kasana	012080°E12074	0.043342	\$0.01
==== <del>-</del> ================================	012081*E12074	0.003786	\$0.00
2082 Accounting & Finance Expense D	012082*E12074	0.007346	\$0.00
2083 Human Resources Expense D	012083*E12074	0.008294	\$0.00
2084 Information Management Expense D	D12084*E12074	0.070887	\$0.02
	D12085*E12074	0.000000	\$0.00
2086 Total Other Direct Expenses S	Sum(E12077:E12085)		\$0.07
2087			
2088 TELRIC E	12077+E12086		\$0.33
2089	<del></del>		
2090 Common			
2091 Executive Expense D	012091*E12088	0.011267	\$0.00
2092 Planning Expens∈ D	012092°E12088	0.000525	\$0.00
2093 External Relations Expense D	712093*E12088	0.037846	\$0.01
	012094*E12088	0.004717	\$0.00
	)12095*E12088	0.001860	\$0.00
	012096*E12088	0.000006	\$0.00
	)12097*E12088	0.015064	\$0.00
	ium(E12091:E12097)		\$0.02
2099			
<del></del>	12088+E12098	<del></del>	\$0.35

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Total For Service:

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1.00

Date: 06/03/02

\$0.73

	Time Inutes B	Prob #1 C	Proti #2 D	Prob Prob R3 #4 E F	Applied Time (Minutes) G B * (C Thru F)	Labor Mour H	Coef H * (G/60)
CALL EXCLUSION - AUTOMATIC							
*ADD*							
-RCMAC  1st probability is % by switch type Translations - SW1 Translations - SW2	1 1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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<b>Work Hern</b> A	Time Prob Minutes #1 B C		Labor Hour Cost H
		B * (C Thru F)	H * (G/60)

## CALL EXCLUSION - AUTOMATIC (con't)

			\$0.73
12153			
12154		ast	
12155			Cost
12156	<u>8</u> C	D	E
12157 Marketing & Business Fees			
12158 Product Management Expens€	D12158*E12152	0.019957	\$0.0
12159 Sales Expense	D12159*E12152	0.011877	\$0.0
12160 Product Advertising Expense	D12160*E12152	0.000000	\$0.0
12161 Business Fees (Other Operating Taxes)	D12161*Sum(E12152:E12160)	0.001483	\$0.00
12162 Total Merketing & Business Fees	Sum(E12152:E12161)		\$0.0
12163			
12164 Sub-Total Direct Cost & Marketing	E12152+E12162		\$0.75
12165			
12166 Other Direct Expenses			
12167 Network Operations	D12167*E12164 (	0.034832	\$0.03
12168 Network Support Assets	D12168*E12164 (	0.014703	\$0.0
12169 General Support Assets	D12169*E12164	0.088742	\$0.0
12170 General Purpose Computers	D12170*E12164	0.043342	\$0.03
12171 Uncollectible	D12171*E12164 (	0.003786	\$0.00
12172 Accounting & Finance Expense	D12172*E12164 0	0.007346	\$0.01
12173 Human Resources Expense	D12173*E12164	0.008294	\$0.01
12174 Information Management Expens∈	D12174*E12164	0.070887	\$0.05
12175 Intangibles	D12175*E12164	.000000	\$0.00
12176 Total Other Direct Expenses	Sum(E12167:E12175)		\$0.21
12177 12178 <b>TELRIC</b>	E12167+E12176		
12179	E12107+E12170		\$0.96
12180 Common			
12181 Executive Expense	D12181*E12178	0.011267	\$0.01
12182 Planning Expense		0.000525	\$0.0
12183 External Relations Expense		0.037846	\$0.04
12184 Legal Expense		0.004717	\$0.0
12185 Other Procurement Expense	- "	).004717 ).001860	\$0.00
·		.0000006	\$0.00
12186 Research & Development Expense	- :- : - : - : - : - : - : - : - : - :		
12187 Other General and Admin Expense		0.015064	\$0.0
12188 Common Costs	Sum(E12181:E12187)		\$0.07
12189			- 64 53
12190 TELRIC + Common Costs	E12178+E12188		\$1.03

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Total For Service:

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0.66

Date: 06/03/02

\$0.48

Work Rum	lime Minutes	Prob #1	PT00 #2	Prob Pro		Hour	Cost
<b>A</b>	В	С	D.	_EF	B * (C Thru F)	H	H * (G/60)
CALL EXCLUSION - MANUAL							
*ADD*							
-RCMAC 1st probability is % by switch type Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Subtotal - RCMAC					0.66		\$0.48

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work	Harri	Time Minutes		rab Pro #2 K			Labor Mour Cost
A	4	В	C	D E	F	G	H
						B * (C Thru F)	H * (G/60)

## CALL EXCLUSION - MANUAL (con't)

12243   12244   12245   12246   12246   12247   12245   12246   12247   12248   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12242   12249   12249   12249   12242   12249   12249   12249   12249   12249   12242   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   1224	12242 Orect Cost			\$0.48
12244   12245   12246   12247   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12248   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   12249   1224				**************************************
12246	12244	Cost	Cost	
12244   Product Marketing & Business Fees     12248   Product Management Expense     12249   Product Management Expense     12249   Product Management Expense     12249   Product Management Expense     12249   Product Management Expense     12250   Product Advertising Expense     12250   Product Advertising Expense     12250   Product Advertising Expense     12250   Product Advertising Expense     12250   Product Advertising Expense     12250   Product Advertising Expense     12251   Product Advertising Expense     12251   Product Advertising Expense     12251   Product Advertising Expense     12251   Product Advertising     12242   Product Advertising     12242   Product Advertising     12242   Product Advertising     12251   Product Advertising     12252   Product Advertising     12252   Product Advertising     12252   Product Advertising     12252   Product Advertising     12253   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     12255   Product Advertising     122	12245	Calculation	Fector	Cost
12248 Product Management Expense   D12249*E12242   0.019957   \$0.01     12249 Sales Expense   D12249*E12242   0.000000   \$0.00     12250 Product Advertising Expense   D12250*E12242   0.000000   \$0.00     12251 Business Fees (Other Operating Taxes)   D12251*Busin(E12242:E12251)   \$0.001483   \$0.00     12253   Sub-Total Direct Cost & Marketing   Business Fees   Sum(E12242:E12251)   \$0.50     12253   Sub-Total Direct Cost & Marketing   E12242*E12252   \$0.50     12255 Other Direct Expenses   Sum(E12242:E12252   \$0.50     12255 Other Direct Expenses   Sum(E12242:E12252   \$0.50     12255 Network Operations   D12256*E12254   0.014703   \$0.01     12256 Network Support Assets   D12256*E12254   0.014703   \$0.01     12256 General Purpose Computers   D12260*E12254   0.04342   \$0.02     12256 General Purpose Computers   D12260*E12254   0.04342   \$0.02     12256 General Purpose Computers   D12260*E12254   0.003766   \$0.00     12256 Human Resources Expense   D12260*E12254   0.003766   \$0.00     12262 Accounting & Finance Expense   D12260*E12254   0.003766   \$0.00     12263 Human Resources Expense   D12260*E12254   0.006294   \$0.00     12264 Internation Management Expense   D12260*E12254   0.00000   \$0.00     12265 Internation Management Expense   D12260*E12254   0.00000   \$0.00     12266 Internation Management Expense   D12260*E12254   0.00000   \$0.00     12260 Total Other Direct Expenses   D12255*E12256   0.000000   \$0.00     12260 Total Other Direct Expense   D12275*E12266   0.000000   \$0.00     12260 Texture Expense   D12277*E12266   0.000000   \$0.00     12276 E12268   0.000625   \$0.00     12277 External Relations Expense   D12277*E12268   0.000000   \$0.00     12276 Other Procurement Expense   D12277*E12268   0.000000   \$0.00     12276 Other Procurement Expense   D12277*E12268   0.000000   \$0.00     12276 Other Procurement Expense   D12277*E12268   0.0000000   \$0.00     12277 Other General and Admin Expense   D12277*E12268   0.01504   \$0.01     12277 Other General and Admin Expense   D12277*E12268   0.01504   \$0.01     1	12246	B C	D	
12249 Sales Expense	12247 Marketing & Business Fees			
12250 Product Advertising Expense   D12250"E12242   0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00	12248 Product Management Expense	D12248*E12242	0.019957	\$0.01
12251   Business Feas (Other Operating Taxes)   D12251*Busin(E12242:E12250)   0.001483   \$0.00     12252   Total Marketing & Business Fees   Sum(E12242:E12251)   \$0.00     12253   Sub-Total Direct Cost & Marketing   E1242+E1252   \$0.50     12255   Sub-Total Direct Cost & Marketing   E1242+E1252   \$0.50     12255   Other Direct Expenses	12249 Sales Expense	D12249*E12242	0.011877	\$0.01
12252   Total Merketing & Business Fees   Sum(E12242:E12251)   \$0.02     12253   Sub-Total Direct Cost & Marketing   E12242+E12252   \$0.50     12255   12256 Other Direct Expenses	12250 Product Advertising Expense	D12250°E12242	0.000000	\$0.00
12253   12254   Sub-Total Direct Cost & Marketing   12254   12252   \$0.50     12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   12255   122555   122555   122555   122	12251 Business Fees (Other Operating Taxes)	D12251*Sum(E12242:E12250)	0.001483	\$0.00
12254 Sub-Total Direct Cost & Marketing   E12242-E12252   \$0.50     12255	12252 Total Merketing & Business Fees	Sum(E12242:E12251)		\$0.02
12255 12256 Other Direct Expenses 12257 Network Operations D12257*E12254 0.034832 \$0.02 12258 Network Support Assets D12258*E12254 0.014703 \$0.01 12259 General Support Assets D12259*E12254 0.088742 \$0.04 12259 General Support Assets D12259*E12254 0.088742 \$0.04 12260 General Purpose Computers D12260*E12254 0.03342 \$0.02 12261 Uncollectible D12261*E12254 0.003786 \$0.00 12262 Accounting & Finance Expense D12263*E12254 0.007346 \$0.00 12263 Accounting & Finance Expense D12263*E12254 0.007346 \$0.00 12264 Information Management Expense D12263*E12254 0.007346 \$0.00 12264 Information Management Expense D12263*E12254 0.007087 \$0.04 12265 Intangibles D12264*E12254 0.070887 \$0.04 12265 Intangibles D12265*E12254 0.000000 \$0.00 12267 Other Direct Expenses D12265*E12254 0.000000 \$0.00 12267 Other Direct Expenses D12275*E12265 \$0.04 12268 TELRIC E12257*E12266 \$0.037846 \$0.03 12269 Texpense D12271*E12268 0.001267 \$0.01 12271 Executive Expense D12272*E12268 0.0037846 \$0.02 12272 Planning Expense D12273*E12268 0.0037846 \$0.02 12273 External Relations Expense D12273*E12268 0.004717 \$0.00 12274 Legal Expense D12274*E12268 0.004717 \$0.00 12275 Other Procurement Expense D12275*E12268 0.004717 \$0.00 12276 Research & Development Expense D12276*E12268 0.004717 \$0.00 12277 Other General and Admin Expense D12276*E12268 0.000006 \$0.00 12277 Other General and Admin Expense D12277*E12268 0.015064 \$0.01 12278 Common Costs	12253			
12256   Other Direct Expenses   D12257*E12254   D.034832   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$0.02   \$		E12242+E12252		\$0.50
12257 Network Operations	12255			
12258 Network Support Assets	12256 Other Direct Expenses			
12259 General Support Assets		D12257*E12254	0.034832	\$0.02
12260 General Purpose Computers   D12260*E12254   0.043342   \$0.02   12261 Uncollectible   D12261*E12254   0.003786   \$0.00   12262 Accounting & Finance Expense   D12262*E12254   0.007346   \$0.00   12263 Human Resources Expense   D12263*E12254   0.008294   \$0.00   12264 Information Management Expense   D12264*E12254   0.070887   \$0.04   12265 Intangibles   D12265*E12254   0.000000   \$0.00   12265   Intangibles   D12265*E12254   0.000000   \$0.00   12266   Intangibles   D12265*E12254   0.000000   \$0.00   12266   Intangibles   D12265*E12254   0.000000   \$0.00   12266   Intangibles   D12265*E12254   0.000000   \$0.00   12266   Intangibles   D12265*E12254   0.000000   \$0.00   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangibles   Intangi			0.014703	\$0.01
12261 Uncollectible		- 10-11		\$0.04
12262 Accounting & Finance Expense   D12262*E12254   0.007346   \$0.00     12263 Human Resources Expense   D12263*E12254   0.008294   \$0.00     12264 Information Management Expense   D12264*E12254   0.070887   \$0.04     12265 Intangibles   D12265*E12254   0.00000   \$0.00     12266   Total Other Direct Expenses   Sum(E12257:E12265)   \$0.14     12267   E12267   E12257+E12266   \$0.63     12268   TELRIC   E12257+E12266   \$0.63     12269   E12270 Common     12271 Executive Expense   D12271*E12268   0.001267   \$0.01     12272 Planning Expense   D12272*E12268   0.000525   \$0.00     12273 External Relations Expense   D12273*E12268   0.037846   \$0.02     12274 Legal Expense   D12273*E12268   0.004717   \$0.00     12275 Other Procurement Expense   D12274*E12268   0.004717   \$0.00     12276 Research & Development Expense   D12275*E12268   0.001860   \$0.00     12277 Other General and Admin Expense   D12277*E12268   0.00006   \$0.00     12278   Common Costs   Sum(E12271:E12277)   \$0.05     12279   Common Costs   Sum(E12271:E12277)   \$0.05     12279   Common Costs   Sum(E12271:E12277)   \$0.05     12279   Common Costs   Sum(E12271:E12277)   \$0.05     12279   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs	12260 General Purpose Computers	D12260*E12254	0.043342	\$0.02
12263 Human Resources Expense   D12263*E12254   0.008294   \$0.00     12264 Information Management Expense   D12264*E12254   0.070887   \$0.04     12265 Intangibles   D12265*E12254   0.000000   \$0.00     12266   Total Other Direct Expenses   Sum(E12267:E12265)   \$0.14     12267   E12257   E12266   \$0.63     12269		D12261*E12254		\$0.00
12264 Information Management Expense   D12264*E12254   0.070887   \$0.04   12265 Intangibles   D12265*E12254   0.000000   \$0.00   12266   Total Other Direct Expense   Sum(E12257:E12265)   \$0.14   12267   \$0.05   12267   \$0.05   12267   \$0.05   12268   \$0.05   12268   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12269   \$0.05   12272   Planning Expense   D12272*E12268   0.00525   \$0.00   12272   Planning Expense   D12272*E12268   0.00525   \$0.05   12272   Planning Expense   D12273*E12268   0.037846   \$0.02   12274   Legal Expense   D12274*E12268   0.004717   \$0.00   12275   Other Procurement Expense   D12275*E12268   0.001860   \$0.05   12276   Research & Development Expense   D12275*E12268   0.00006   \$0.05   12276   General and Admin Expense   D12277*E12268   0.015064   \$0.01   12275   Common Costs   Sum(E12271:E12277)   \$0.05   12279   12279   \$0.05   12279   \$0.05   \$0.05   12279   \$0.05   \$0.05   12279   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$			0.007346	\$0.00
12265   Intangibles				\$0.00
12266   Total Other Direct Expenses   Sum(E12257:E12265)   \$0.14     12267				\$0.04
12267   12268 TELRIC			0.00000	\$0.00
12268 TELRIC   E12257+E12266   \$0.63     12269		Sum(E12257:E12265)		\$0.14
12269         12270 Common         12271 Executive Expense       D12271*E12268       0.011267       \$0.01         12272 Planning Expense       D12272*E12268       0.000525       \$0.00         12273 External Relations Expense       D12273*E12268       0.037846       \$0.02         12274 Legal Expense       D12274*E12268       0.004717       \$0.00         12275 Other Procurement Expense       D12275*E12268       0.001860       \$0.00         12276 Research & Development Expense       D12276*E12268       0.000006       \$0.00         12277 Other General and Admin Expense       D12277*E12268       0.015064       \$0.01         12278 Common Costs       Sum(E12271:E12277)       \$0.05         12279				
12270 Cammon   12271 Executive Expense   D12271*E12268   0.011267   \$0.01   12272 Planning Expense   D12272*E12268   0.000525   \$0.00   12273 External Relations Expense   D12273*E12268   0.037846   \$0.02   12273 External Relations Expense   D12274*E12268   0.04717   \$0.00   12275   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$		E12257+E12266		\$0.63
12271   Executive Expense   D12271*E12268   D.011267   \$0.01     12272   Planning Expense   D12272*E12268   D.000525   \$0.00     12273   External Relations Expense   D12273*E12268   D.0037846   \$0.02     12274   Legal Expense   D12274*E12268   D.004717   \$0.00     12275   Other Procurement Expense   D12275*E12268   D.001860   \$0.00     12276   Research & Development Expense   D12275*E12268   D.000066   \$0.00     12277   Other General and Admin Expense   D12277*E12268   D.000066   \$0.01     12278   Common Costs   Sum(E12271:E12277)   \$0.05     12279	·			
12272 Planning Expense       D12272*E12268       0.000525       \$0.00         12273 External Relations Expense       D12273*E12268       0.037846       \$0.02         12274 Legal Expense       D12274*E12268       0.004717       \$0.00         12275 Other Procurement Expense       D12275*E12268       0.001860       \$0.00         12276 Research & Development Expense       D12275*E12268       0.000006       \$0.00         12277 Other General and Admin Expense       D12277*E12268       0.015064       \$0.01         12278 Common Costs       Sum(E12271:E12277)       \$0.05				
12273 External Relations Expense   D12273*E12268   0.037846   \$0.02     12274 Legal Expense   D12274*E12268   0.004717   \$0.00     12275 Other Procurement Expense   D12275*E12268   0.001860   \$0.00     12276 Research & Development Expense   D12275*E12268   0.00006   \$0.00     12276 Research & General and Admin Expense   D12277*E12268   0.00006   \$0.00     12278 Gommon Costs   Sum(E12271:E12277)   \$0.05     12279				
12274 Legal Expense       D12274*E12268       0.004717       \$0.00         12275 Other Procurement Expense       D12275*E12268       0.001860       \$0.00         12276 Research & Development Expense       D12276*E12268       0.00006       \$0.00         12277 Other General and Admin Expense       D12277*E12268       0.015064       \$0.01         12278 Common Costs       Sum(E12271:E12277)       \$0.05         12279				
12275 Other Procurement Expense       D12275*E12268       0.001860       \$0.00         12276 Research & Development Expense       D12276*E12268       0.00006       \$0.00         12277 Other General and Admin Expense       D12277*E12268       0.015064       \$0.01         12278 Common Costs       Sum(E12271:E12277)       \$0.05         12279       Sum (E12271:E12277)       \$0.05		<del>_</del>		
12276 Research & Development Expense       D12276*E12268       0.00006       \$0.00         12277 Other General and Admin Expense       D12277*E12268       0.015064       \$0.01         12278 Common Costs       Sum(E12271:E12277)       \$0.05         12279				
12277 Other General and Admin Expense         D12277*E12268         0.015064         \$0.01           12278 Common Costs         Sum(E12271:E12277)         \$0.05           12279         Sum(E12271:E12277)         \$0.05				• -
12278 Common Costs Sum(E12271:E12277) \$0.05				
12279			0.015064	
		Sum(E12271:E12277)		\$0.05
12280 TELRIC + Common Costs \$0.68				
	12280 TELRIC + Common Costs	E12268+E12278		\$0.68

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work frem	Time Minutes B	Prob #1 C	Prob Prob #2 #3 D E		Applied Time (Minutes)	Labor Hour	Cast
^	J	Ū		•	B * (C Thru F)	.,	H * (G/60)
A-P. 11-A-1111A A-11 V							
CFBL INCOMING ONLY							
<u>*ADD*</u>							
-NROC							
1st probability % by switch type Administration - 5E	30	0.660			19.80	\$41.45	\$13.68
Maintenance - 5E	30	0.660			19.80	\$41.45	\$13.68
Subtotal - NROC					39.60		\$27.36
Total For Service:					39.60		\$27.36

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem A	Time Minutes B	Prob #1	Prati #2 D	Prob Prob #3 ## E F		Lebor Mour Cost H
					B * (C Thru F)	H * (G/60)

## CFBL INCOMING ONLY (con't)

12333		Salator - 100000 Victorian and	ana ana ana ana ana ana ana ana ana ana
12334	Cost Calculation	Cost	
12335		Factor	Cost
12336		D	E
12337 Marketing & Business Fees			
12338 Product Management Expense	D12338*E12332	0.019957	\$0.
12339 Sales Expense	D12339*E12332	0.011877	\$0.
12340 Product Advertising Expense	D12340*E12332	0.000000	\$0.
12341 Business Fees (Other Operating Taxes)	D12341*Sum(E12332:E12340)	0.001483	<u>\$0.</u>
12342 Total Marketing & Business Fees	Sum(E12332:E12341)	<u></u>	\$0.
12343			
12344 Sub-Total Direct Cost & Marketing	E12332+E12342		\$28.
12345			
12346 Other Direct Expenses			
12347 Network Operations	D12347*E12344	0.034832	\$0.
12348 Network Support Assets	D12348*E12344	0.014703	\$0.
12349 General Support Assets	D12349*E12344	0.088742	\$2.
12350 General Purpose Computers	D12350*E12344	0.043342	\$1.
12351 Uncollectible	D12351*E12344	0.003786	\$0.
12352 Accounting & Finance Expens€	D12352*E12344	0.007346	\$0.
12353 Human Resources Expense	D12353*E12344	0.008294	\$0.
12354 Information Management Expense	D12354*E12344	0.070887	\$2.
12355 Intangibles	D12355*E12344	0.000000	\$0.
12356 Total Other Direct Expenses	Sum(E12347:E12355)		\$7.
12357			
12358 TELRIC	E12347+E12356		\$35.
12359			
12360 Common			
12361 Executive Expense	D12361*E12358	0.011267	\$0.
12362 Planning Expense	D12362*E12358	0.000525	\$0.
12363 External Relations Expense	D12363*E12358	0.037846	\$1.
12364 Legal Expense	D12364*E12358	0.004717	\$0.
12365 Other Procurement Expense	D12365*E12358	0.001860	\$0.
12366 Research & Development Expense	D12366*E12358	0.000006	\$0.
12367 Other General and Admin Expense	D12367*E12358	0.015064	\$0.
12368 Common Costs	Sum(E12361:E12367)		\$2.

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Siale. Soull Dakola							
Work A	Ren	Time Minutes B	Prot Prot 62 93 D E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Mour H	Cost     H * (G/60)

CFDA INCOMING ONLY

\*ADD\*

-NROC

1st probability % by switch type
Administration - 5E
Maintenance - 5E

30 0.660 30 0.660 19.80 \$41.45 \$41.45 19.80

\$13.68 \$13.68

39.60 Subtotal - NROC \$27.36

\$27.36 Total For Service: 39.60

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Work Rain	Time Minutes	Prob #1	Prob Prob		Applied Time (Minutes)	Lebor Mour Cost
À	В	Ç	D E	F	G	H 1
					B * (C Thru F)	H * (G/60)

# CFDA INCOMING ONLY (con't)

12422 Direct Cost		\$27.96
12423		
12424	Cost Cost	
12425	Calculation Factor	Cost
12426	B C D	E
12427 Marketing & Business Fees		
12428 Product Management Expense	<b>D12428*E12422</b> 0.019	957 \$0.55
12429 Sales Expense	D12429*E12422 0.011	877 \$0.32
12430 Product Advertising Expense	D12430*E12422 0.000	00.00
12431 Business Fees (Other Operating Taxes)	D12431*Sum(E12422:E12430) 0.001	483 <u>\$0.04</u>
12432 Total Marketing & Business Fees	Sum(E12422:E12431)	\$0.91
12433		
12434 Sub-Total Direct Cost & Marketing	E12422+E12432	\$28.27
12435		
12436 Other Direct Expenses		
12437 Network Operations	D12437*E12434 0.034	832 \$0.98
12438 Network Support Assets	D12438*E12434 0.014	703 \$0.42
12439 General Support Assets	D12439°E12434 0.088	742 \$2.51
12440 General Purpose Computers	D12440°E12434 0.043	342 \$1.23
12441 Uncollectible	D12441*E12434 0.003	786 \$0.11
12442 Accounting & Finance Expense	D12442*E12434 0.007	346 \$0.21
12443 Human Resources Expense	D12443*E12434 0.008	294 \$0.23
12444 Information Management Expense	D12444*E12434 0.070	887 \$2.00
12445 Intangibles	D12445*E12434 0.000	00.00
12446 Total Other Direct Expenses	Sum(E12437:E12445)	\$7.69
12447		
12448 TELRIC	E12437+E12446	\$35.96
12449	····	
12450 Common		
12451 Executive Expense	D12451*E12448 0.011	267 \$0.41
12452 Planning Expense	D12452*E12448 0.000	525 \$0.02
12453 External Relations Expense	D12453*E12448 0.037	346 \$1.36
12454 Legal Expense	D12454*E12448 0.004	717 \$0.17
12455 Other Procurement Expense	D12455*E12448 0.001	360 \$0.07
12456 Research & Development Expense	D12456°E12448 0.000	006 \$0.00
12457 Other General and Admin Expense	D12457*E12448 0.015	064 \$0.54
12458 Common Costs	Sum(E12451:E12457)	\$2.56
12459		
12460 TELRIC + Common Costs	E12448+E12458	\$38.52

Study Name: NONRECURRING ELEMENTS

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\$0.48

\$0.25

Work flam	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A A	В	_c _	D	E	F	G	—H	
						B * (C Thru F)	н	* (G/60)

### CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE

-RCMAC

1st probability % by switch type Translations - SW1

Translations - SW1
Translations - SW2

 1
 0.660
 0.66
 \$43.81

 1
 0.340
 0.34
 \$43.81

 Subtotal - RCMAC
 1.00
 \$0.73

 Total For Service:
 1.00
 \$0.73

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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₩ork Item ) A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Pro #3 #	CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	Labor Hour Cost
					B * (C Thru F)	H * (G/60)

## CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE (con't,

12512 Direct Cost			\$0.73
12513			
12514	Cost	Cost	
12515	Calculation	Fector	Cost
12516	B C	D	E
12517 Marketing & Business Fees			
12518 Product Management Expense	D12518*E12512	0.019957	\$0.01
12519 Sales Expense	D12519*E12512	0.011877	\$0.01
12520 Product Advertising Expense	D12520*E12512	0.000000	\$0.00
12521 Business Fees (Other Operating Taxes)	D12521*Sum(E12512:E12520)	0.001483	<u>\$0.00</u>
12522 Total Marketing & Business Fees	Sum(E12512:E12521)		\$0.02
12523			
12524 Sub-Total Direct Cost & Marketing	E12512+E12522		\$0.75
12525			
12526 Other Direct Expenses			
12527 Network Operations	D12527*E12524	0.034832	\$0.03
12528 Network Support Assets	D12528*E12524	0.014703	\$0.01
12529 General Support Assets	D12529*E12524	0.088742	\$0.07
12530 General Purpose Computers	D12530*E12524	0.043342	\$0.03
12531 Uncollectible	D12531*E12524	0.003786	\$0.00
12532 Accounting & Finance Expense	D12532*E12524	0.007346	\$0.01
12533 Human Resources Expense	D12533*E12524	0.008294	\$0.01
12534 Information Management Expense	D12534*E12524	0.070887	\$0.05
12535 Intangibles	D12535*E12524	0.000000	\$0.00
12536 Total Other Direct Expenses	Sum(E12527:E12535)	· · · · · · · · · · · · · · · · · · ·	\$0.21
12537			
12538 TELRIC	E12527+E12536		\$0.96
12539			
12540 Common			
12541 Executive Expense	D12541*E12538	0.011267	\$0.01
12542 Planning Expense	D12542*E12538	0.000525	\$0.00
12543 External Relations Expense	D12543*E12538	0.037846	\$0.04
12544 Legal Expense	D12544*E12538	0.004717	\$0.00
12545 Other Procurement Expense	D12545*E12538	0.001860	\$0.00
12546 Research & Development Expense	D12546*E12538	0.000006	\$0.00
12547 Other General and Admin Expense	D12547*E12538	0.015064	\$0.01
12548 Common Costs	Sum(E12541:E12547)		\$0.07
12549			
12550 TELRIC + Common Costs	E12538+E12548	<del></del>	\$1.03

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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otalo. Godin balota							
Work Ban	Time Minut <del>os</del>	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
<b>A</b>	В	С	<b>D</b>	E F	G B * (C Thru F)	Н	H * (G/60)
CALL WAITING INDICATION, per unique timing state, per timing state							
*ADD*							
-RCMAC 1st probability is % by switch type							
Translations - SW1 Translations - SW2	1 1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73
Total For Service:					1.00		\$0.73

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

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Work item A	77.me Minutes B	Prob Prot ft t2 C D	Prob Applied Time #4 (Minutes) F G	Labor Mour Cost H
			B * (C Thru F)	H * (G/60)

## CALL WAITING INDICATION, per unique timing state, per timing state (con't)

12602 Direct Cout		****
12603		\$0.73
12604	Cost Cost	
12605	Calculation Factor	Cost
12606	B C D	E
12607 Marketing & Business Fees		
12608 Product Management Expense	D12608*E12602 0.01995	7 \$0.01
12609 Sales Expense	D12609*E12602 0.01995	
12610 Product Advertising Expense	D12610°E12602 0.00000	
12611 Business Fees (Other Operating Taxes)	D12611*Sum(E12602:E12610) 0.00148	
12612 Total Marketing & Business Fees	Sum(E12602:E12611)	\$0.02
12613	E12602+E12612	
12614 Sub-Total Direct Cost & Marketing 12615	E12602+E12612	\$0.75
12616 Other Direct Expenses	D400479540044 0.00400	
12617 Network Operations	D12617*E12614 0.03483	
12618 Network Support Assets	D12618*E12614 0.014703	
12619 General Support Assets	D12619°E12614 0.08874	
12620 General Purpose Computers	D12620°E12614 0.04334	
12621 Uncollectible	D12621*E12614 0.00378	•
12622 Accounting & Finance Expens∈	D12622°E12614 0.00734	
12623 Human Resources Expense	D12623*E12614 0.00829	
12624 Information Management Expense	D12624*E12614 0.07088	
12625 Intangibles	D12625°E12614 0.00000	
12626 Total Other Direct Expenses	Sum(E12617:E12625)	\$0.21
12627		
12628 TELRIC	E12617+E12626	\$0.96
12629		
12630 Common		
12631 Executive Expense	D12631*E12628 0.011267	****
12632 Planning Expens€	D12632°E12628 0.000525	
12633 External Relations Expens€	D12633*E12628 0.037846	
12634 Legal Expense	D12634*E12628 0.004717	*****
12635 Other Procurement Expense	D12635*E12628 0.001860	7
12636 Research & Development Expense	D12636*E12628 0.000006	* *
12637 Other General and Admin Expense	D12637*E12628 0.015064	
12638 Common Costs	Sum(E12631:E12637)	\$0.07
12639		
12640 TELRIC + Common Costs	E12628+E12638	\$1.03

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

CALL PARK - 5E

**CALL PARK - DMS** 

**CALL PARK - DMS** 

**CALL PICKUP - 5E** 

**CALL PICKUP - 5E** 

**CONFERENCE CALLING - 3 WAY - 5E** 

**CONFERENCE CALLING - 3 WAY - 5E** 

**CONFERENCE CALLING - 6 WAY - 5E** 

**CONFERENCE CALLING - 6 WAY - 5E** 

**CONFERENCE CALLING - 6 WAY - DMS** 

**CONFERENCE CALLING - 6 WAY - DMS** 

CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E

CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E

CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS

CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS

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6.60

6.80

8.50

6.60

6.60

6.60

6.60

8.50

10.20

4.62

4.62

16.50

13.20

6.80

6.80

\$41.45

\$41.45

\$41.45

\$41.45

\$41.45

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\$41.45

\$41.45

\$41.45

\$41.45

\$4.56 \$4.70

\$5.87

\$4.56

\$4.56

\$4.56

\$4.56

\$5.87

\$7.05

\$3.19

\$3.19

\$9.12

\$4.70

\$4.70

\$11.40

Date: 06/03/02

State: South Dakota						
	Filme	Prob	Prot Prot Prob	Applied Time	Labor	
Work Its	m Minules B		DEF	(Minotes)	#Hour	Cost
A	В	C	D	B * (C Thru F)	П	H * (G/60)
				D (0111101)		(0/00)
CENTREX COMMON EQUIPMENT						
*ADD*						
-NROC - COMPLEX TRANSLATIONS						
1st probability % by switch type						
COMMON EQUIPMENT - 5E	215	0.660		141.90	\$41.45	\$98.03
COMMON EQUIPMENT - 5E	195	0.660		128.70	\$41.45	\$88.91
COMMON EQUIPMENT - DMS	350	0.340	•	119.00	\$41.45	\$82.21
COMMON EQUIPMENT - DMS	595	0.340		202.30	\$41.45	\$139.76
AUTOMATIC CALLBACK - 5E	10	0.660		6.60	\$41.45	\$4.56
AUTOMATIC CALLBACK - 5E	10	0.660		6.60	\$41.45	\$4.56
AUTOMATIC CALLBACK - DMS	15	0.340		5.10	\$41.45	\$3.52
AUTOMATIC CALLBACK - DMS	15	0.340		5.10	\$41.45	\$3.52
CALL FORWARDING - BUSY LINE - 5E	30	0.660		19.80	\$41.45	\$13.68
CALL FORWARDING - BUSY LINE - 5E	30	0.660		19.80	\$41.45	\$13.68
CALL FORWARDING - DON'T ANSWER - 5E	30	0.660		19.80	\$41.45	\$13.68
CALL FORWARDING - DON'T ANSWER - 5E	30	0.660		19.80	\$41.45	\$13.68
CALL FORWARDING - DON'T ANSWER - DMS	10	0.340		3,40	\$41.45	\$2.35
CALL FORWARDING - DON'T ANSWER - DMS	10	0.340		3.40	\$41.45	\$2.35
CALL FORWARDING - VARIABLE - 5E	7	0.660		4.62	\$41.45	\$3.19
CALL FORWARDING - VARIABLE - 5E	7	0.660		4.62	\$41.45	\$3.19
CALL FORWARDING - VARIABLE - DMS	20	0.340		6.80	\$41.45	\$4.70
CALL FORWARDING - VARIABLE - DMS	25	0.340		8.50	\$41.45	\$5.87
CALL HOLD - 5E	10	0.660		6.60	\$41.45	\$4.56
CALL HOLD - 5E	10	0.660		6.60	\$41.45	\$4.56
CALL HOLD - DMS	5	0.340		1.70	\$41.45	\$1.17
CALL HOLD - DMS	10	0.340		3.40	\$41.45	\$2.35
CALL PARK - 5E	20	0.660		13.20	\$41.45	\$9.12

10

20

25

10

10

10

10

25

30

7

25

20

20

20

0.660

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Gost
A	В	С	D	E	F	G B * (C Thru F)	- н -	H * (G/60)
CENTREX COMMON EQUIPMENT (con't)						_ (=,		(2.55)
DATA CALL PROTECTION - 5E	10	0.660				6.60	\$41.45	\$4.56
DATA CALL PROTECTION - 5E	10	0.660				6.60	\$41.45	\$4.56
DATA CALL PROTECTION - DMS	30	0.340				10.20	\$41.45	\$7.05
DATA CALL PROTECTION - DMS	30	0.340				10.20	\$41.45	\$7.05
DISTINCTIVE CALL WAITING TONE - DMS	30	0.340				10.20	\$41.45	\$7.05
DISTINCTIVE CALL WAITING TONE - DMS	30	0.340				10.20	\$41.45	\$7.05
EXECUTIVE BUSY OVERRIDE - DMS	30	0.340				10.20	\$41.45	\$7.05
EXECUTIVE BUSY OVERRIDE - DMS	40	0.340				13.60	\$41.45	\$9.40
HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	30	0.340				10.20	\$41.45	\$7.05
HUNTING (MLHG, CIRCULAR HUNTING, SERIES COMPLETION) - DMS	40	0.340				13.60	\$41.45	\$9.40
INTRASYSTEM CALLING - 5E	10	0.660				6.60	\$41.45	\$4.56
INTRASYSTEM CALLING - 5E	10	0.660				6.60	\$41.45	\$4.56
LAST NUMBER REDIAL - 5E	5	0.660				3.30	\$41.45	\$2.28
LAST NUMBER REDIAL - 5E	10	0.660				6.60	\$41.45	\$4.56
LINE RESTRICTIONS - DMS	10	0.340				3.40	\$41.45	\$2.35
LINE RESTRICTIONS - DMS	10	0.340				3.40	\$41.45	\$2.35
MAKE SET BUSY - DMS	5	0.340				1.70	\$41.45	\$1.17
MAKE SET BUSY - DMS	10	0.340				3.40	\$41.45	\$2.35
NETWORK SPEED CALL - DMS	135	0.340				45.90	\$41.45	\$31.71
NETWORK SPEED CALL - DMS	150	0.340				51.00	\$41.45	\$35.23
OUTGOING TRUNK QUEUING - 5E	30	0.660				19.80	\$41.45	\$13.68
OUTGOING TRUNK QUEUING - 5E	30	0.660				19.80	\$41.45	\$13.68
OUTGOING TRUNK QUEUING - DMS	60	0.340				20.40	\$41.45	\$14.09
OUTGOING TRUNK QUEUING - DMS	65	0.340				22.10	\$41.45	\$15.27
SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.660				6.60	\$41.45	\$4.56
SPEED CALLING - 1 & 2 DIGIT - 5E	10	0.660				6.60	\$41.45	\$4.56
SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.340				3.40	\$41.45	\$2.35
SPEED CALLING - 1 & 2 DIGIT - DMS	10	0.340				3.40	\$41.45	\$2.35
THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	10	0.340				3.40	\$41.45	\$2.35
THREE WAY CALLING/CONSULATION HOLD/CALL TRANSFER - DMS	15	0.340				5.10	\$41.45	\$3.52
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.660				6.60	\$41.45	\$4.56
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - 5E	10	0.660				6.60	\$41.45	\$4.56
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	35	0.340				11.90	\$41.45	\$8.22
TRUNK ANSWER ANY STATION (NIGHT SERVICE) - DMS	40	0.340				13.60	\$41.45	\$9.40
Subtotal - NROC - COMPLEX TRANSLATIONS						1,259.68		\$870.23
Total For Service:				<u> </u>		1,259.68	·	\$870.23
<u></u>			·			······································		· · · · · · · · · · · · · · · · · · ·

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob Pro	Prob Applied Time #4 (Minutes) F G	Labor Mour Cost
			B * (C Thru F)	H * (G/60)

## CENTREX COMMON EQUIPMENT (con't,

		**************************************	management Williams
12737 Direct Cost			\$870.23
12738 12739	COS		
		Cost	
12740		Factor	Cost
12741		9	- ■
12742 Marketing & Business Fees			
12743 Product Management Expense	D12743°E12737	0.019957	\$17.37
12744 Sales Expense	D12744*E12737	0.011877	\$10.34
12745 Product Advertising Expense	D12745*E12737	0.000000	\$0.00
12746 Business Fees (Other Operating Taxes)	D12746*Sum(E12737:E12745)	0.001483	<u>\$1.33</u>
12747 Total Marketing & Business Fees	Sum(E12737:E12746)		\$29.04
12748			
12749 Sub-Total Direct Cost & Marketing	E12737+E12747		\$899.26
12750			
12751 Other Direct Expenses			
12752 Network Operations	D12752°E12749	0.034832	\$31.32
12753 Network Support Assets	D12753*E12749	0.014703	\$13.22
12754 General Support Assets	D12754*E12749	0.088742	\$79.80
12755 General Purpose Computers	D12755*E12749	0.043342	\$38.98
12756 Uncollectible	D12756*E12749	0.003786	\$3.40
12757 Accounting & Finance Expense	D12757*E12749	0.007346	\$6.61
12758 Human Resources Expense	D12758*E12749	0.008294	\$7.46
12759 Information Management Expens€	D12759*E12749	0.070887	\$63.75
12760 Intangibles	D12760*E12749	0.000000	\$0.00
12761 Total Other Direct Expenses	Sum(E12752:E12760)		\$244.54
12762			
12763 TELRIC	E12752+E12761		\$1,143.80
12764			
12765 Common			
12766 Executive Expense	D12766*E12763	0.011267	\$12.89
12767 Planning Expense	D12767*E12763	0.000525	\$0.60
12768 External Relations Expense	D12768*E12763	0.037846	\$43.29
12769 Legal Expense	D12769*E12763	0.004717	\$5.40
12770 Other Procurement Expense	D12770*E12763	0.001860	\$2.13
12771 Research & Development Expense	D12771*E12763	0.000006	\$0.01
12772 Other General and Admin Expense	D12772*E12763	0.015064	\$17.23
12773 Common Costs	Sum(E12766:E12772)		\$81.54
12774			
12775 TELRIC + Common Costs	E12763+E12773		\$1,225.34

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<b>A</b>	В	С	DE	F	G B * (C Thru F)	н ""	H * (G/60)
CLASS - CONTINUOUS REDIAL, PER NUIMBER							
*ADD*							
-RCMAC  1st probability is % by switch type  Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Translations - SW2	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC  1st probability is average number of lines (200 lines in a system) 2nd column = % by switch type	22	0.005	2.000		2.77	044.45	
Administration - sw1 Maintenance - sw1	20 20	0.005 0.005	0.660 0.660		0.07 0.07	\$41.45 \$41.45	\$0.05 \$0.05
Administration - sw2 Maintenance - sw2	35 40	0.005 0.005	0.340 0.340		0.06 0.07	\$41.45 \$41.45	\$0.04 \$0.05
Subtotal - NROC					0.26		\$0.18
Total For Service:					1.26		\$0.91

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Work (terr A	Time Minutes B	Prob Pro	b Prob ! #d E	Prob Applied Time #4 (Minutes) F G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

### CLASS - CONTINUOUS REDIAL, PER NUIMBER (con't,

12827 Direct Coet			\$0.91
12928			
12829	Cost	Cost	
12830	Calculation	Fector	Cost
12831	ВС	D	E
12832 Marketing & Business Fees			
12833 Product Management Expense	D12833*E12827	0.019957	\$0.02
12834 Sales Expense	D12834*E12827	0.011877	\$0.01
12835 Product Advertising Expense	D12835*E12827	0.000000	\$0.00
12836 Business Fees (Other Operating Taxes)	D12836*Sum(E12827:E12835)	0.001483	\$0.00
12837 Total Marketing & Business Fees	Sum(E12827:E12836)		\$0.03
12838	<del></del>		
12839 Sub-Total Direct Cost & Marketing	E12827+E12837		\$0.94
12840			
12841 Other Direct Expenses			
12842 Network Operations	D12842*E12839	0.034832	\$0.03
12843 Network Support Assets	D12843*E12839	0.014703	\$0.01
12844 General Support Assets	D12844*E12839	0.088742	\$0.08
12845 General Purpose Computers	D12845*E12839	0.043342	\$0.04
12846 Uncollectible	D12846*E12839	0.003786	\$0.00
12847 Accounting & Finance Expense	D12847*E12839	0.007346	\$0.01
12848 Human Resources Expense	D12848*E12839	0.008294	\$0.01
12849 Information Management Expense	D12849*E12839	0.070887	\$0.07
12850 Intangibles	D12850*E12839	0.000000	\$0.00
12851 Total Other Direct Expenses	Sum(E12842:E12850)		\$0.26
12852			
12853 TELRIC	E12842+E12851		\$1.20
12854			
12855 Common			
12856 Executive Expense	D12856*E12853	0.011267	\$0.01
12857 Planning Expense	D12857*E12853	0.000525	\$0.00
12858 External Relations Expense	D12858*E12853	0.037846	\$0.05
12859 Legal Expense	D12859*E12853	0.004717	\$0.01
12860 Other Procurement Expense	D12860*E12853	0.001860	\$0.00
12861 Research & Development Expense	D12861*E12853	0.000006	\$0.00
12862 Other General and Admin Expense	D12862*E12853	0.015064	\$0.02
12863 Common Costs	Sum(E12856:E12862)		\$0.09
12864			
12865 TELRIC + Common Costs	E12853+E12863		\$1.28

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Work Item	Time Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Minutes)	Labor /Hour	Cost
A	В	С	D E	F G B * (C Thru F)	Н	I H * (G/60)
CLASS - LAST CALL RETURN, PER NUMBER						
*ADD*						
-RCMAC 1st probability is % by switch type						
Translations - SW1 Translations - SW2	1 1	0.660 0.340		0.6 0.3		\$0.4 \$0.2
Subtotal - RCMAC				1.00		\$0.7
-NROC 1st probability is average number of lines (200 lines in a system) 2nd column = % by switch type						
Administration - sw1	20	0.005	0.660	0.0	7 \$41.45	\$0.0
Maintenance - sw1	20	0.005	0.660	0.0		\$0.0
Administration - sw2 Maintenance - sw2	35 45	0.005 0.005	0.340 0.340	0.0i 0.0i		\$0.0 \$0.0
Subtotal - NROC				0.27		\$0.1
Total For Service:				1.27		\$0.92

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Work Item	Time Minutes B	Prob Prob #2 #3 D E		Abor Hour Cost H I
			B * (C Thru F)	H * (G/60)

## CLASS - LAST CALL RETURN, PER NUMBER (con't)

12918			
12919	Cost	Cost	
12920	Calculation	Factor	Cost
12921	B C	D	Ε
12922 Marketing & Business Fees			272000-000000
12923 Product Management Expense	D12923*E12917	0.019957	\$0.0
12924 Sales Expense	D12924*E12917	0.011877	\$0.
12925 Product Advertising Expense	D12925*E12917	0.000000	\$0.
2926 Business Fees (Other Operating Taxes)	D12926*Sum(E12917:E12925)	0.001483	\$0.
12927 Total Marketing & Business Fees	Sum(E12917:E12926)		\$0.
12928			
2929 Sub-Total Direct Cost & Marketing	E12917+E12927		\$0.
2930			
2931 Other Direct Expenses			
12932 Network Operations	D12932*E12929	0.034832	\$0.
12933 Network Support Assets	D12933*E12929	0.014703	\$0.
2934 General Support Assets	D12934*E12929	0.088742	\$0.
2935 General Purpose Computers	D12935*E12929	0.043342	\$0.
2936 Uncollectible	D12936*E12929	0.003786	\$0.
2937 Accounting & Finance Expens€	D12937*E12929	0.007346	\$0.
2938 Human Resources Expense	D12938°E12929	0.008294	\$0.
2939 Information Management Expense	D12939*E12929	0.070887	\$0.
2940 Intangibles	D12940*E12929	0.000000	\$0.
2941 Total Other Direct Expenses	Sum(E12932:E12940)		\$0.
2942			
2943 TELRIC	E12932+E12941		\$1.3
2944			
2945 Common			
2946 Executive Expense	D12946*E12943	0.011267	\$0.0
2947 Planning Expens∈	D12947*E12943	0.000525	\$0.0
2948 External Relations Expense	D12948*E12943	0.037846	\$0.
2949 Legal Expense	D12949*E12943	0.004717	\$0.
2950 Other Procurement Expense	D12950°E12943	0.001860	\$0.0
2951 Research & Development Expense	D12951*E12943	0.000006	\$0.0
2952 Other General and Admin Expense	D12952*E12943	0.015064	\$0.0
2953 Common Costs	Sum(E12946:E12952)		\$0.0

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Work Item	Time Minutes	Prob #1	Prob #2		rob Applied Time #4 (Minutes)	Lebor Mout	Cost
A	В	C	D	E	F G B * (C Thru F)	Н	H * (G/60)
CLASS - PRIORITY CALLING, PER NUMBER							
*ADD*							
-RCMAC 1st probability is % by switch type Translations - SW1 Translations - SW2	1 1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC  1st probability is average number of lines (200 lines in a system) 2nd column = % by switch type Administration - sw1 Maintenance - sw1 Administration - sw2 Maintenance - sw2	20 20 20 20	0.005 0.005 0.005 0.005	0.660 0.660 0.340 0.340		0.07 0.07 0.03 0.03	\$41.45 \$41.45 \$41.45 \$41.45	\$0.05 \$0.05 \$0.02 \$0.02
Subtotal - NROC					0.20		\$0.14
Total For Service:					1.20		\$0.87

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Work tum. A	Time Minutes B	<b>ob Prab</b> 1 <b>2 £3</b> D E	Prob Applied Time La #4 (Minutes) At F G	bor our Chat
			B * (C Thru F)	H * (G/60)

### CLASS - PRIORITY CALLING, PER NUMBER (con't)

13007 Street Cost		\$0.87)
13008		
13009	Coa	
13010	Calculation Factor	Cost
13011		E
13012 Marketing & Business Fees		
13013 Product Management Expense	D13013°E13007 0.019957	\$0.02
13014 Sales Expense	D13014*E13007 0.011877	\$0.01
13015 Product Advertising Expense	D13015*E13007 0.000000	\$0.00
13016 Business Fees (Other Operating Taxes)	D13016*Sum(E13007:E13015) 0.001483	\$0.00
13017 Total Marketing & Business Fees	Sum(E13007:E13016)	\$0.03
13018		
13019 Sub-Total Direct Cost & Marketing	E13007+E13017	\$0.90
13020		
13021 Other Direct Expenses		
13022 Network Operations	D13022°E13019 0.034832	\$0.03
13023 Network Support Assets	D13023*E13019 0.014703	\$0.01
13024 General Support Assets	D13024*E13019 0.088742	\$0.08
13025 General Purpose Computers	D13025°E13019 0.043342	\$0.04
13026 Uncollectible	D13026*E13019 0.003786	\$0.00
13027 Accounting & Finance Expens∈	D13027*E13019 0.007346	\$0.01
13028 Human Resources Expense	D13028*E13019 0.008294	\$0.01
13029 Information Management Expense	D13029*E13019 0.070887	\$0.06
13030 Intangibles	D13030°E13019 0.000000	\$0.00
13031 Total Other Direct Expenses	Sum(E13022:E13030)	\$0.24
13032		
13033 TELRIC	E13022+E13031	\$1.14
13034		
13035 Common	D100001510000	40.04
13036 Executive Expense	D13036*E13033 0.011267 D13037*E13033 0.000525	\$0.01
13037 Planning Expense 13038 External Relations Expense	D13038*E13033 0.000525	\$0.00 \$0.04
13039 Legal Expense	D13039*E13033 0.004717	\$0.04 \$0.01
13040 Other Procurement Expense	D13039 E13033 0.004717 D13040*E13033 0.001860	\$0.00
13040 Other Procurement Expense 13041 Research & Development Expense	D13041*E13033 0.001860 0.00086	\$0.00
13042 Other General and Admin Expense	D13043*E13033 0.000006 D13042*E13033 0.015064	\$0.00 \$0.02
13043 Common Costs	Sum(E13036:E13042)	\$0.02
13044		<u> </u>
13045 TELRIC + Common Costs	E13033+E13043	\$1.22
1 100 to 1 minut 1 Abitminit Abitm	E 10000 E 10010	# 1 ·E·E

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Work New	Time Minutes	Prob #1	Prob #2	Prob Prob #3 #4	Applied Time (Minutes)	Labor Mout	Cost
A	В	С	D	E F	G B * (C Thru F)	Н	H * (G/60)
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER							
*ADD*							
-RCMAC  1st probability is % by switch type  Translations - SW1  Translations - SW2	1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC  1st probability is average number of lines (200 lines in a system) 2nd column = % by switch type							
Administration - sw1 Administration - sw2	20 20 35	0.005 0.005 0.005	0.660 0.660 0.340		0.07 0.07 0.06	\$41.45 \$41.45 \$41.45	\$0.05 \$0.05 <b>\$</b> 0.04
Maintenance - sw2	40	0.005	0.340		0.05	\$41.45 \$41.45	\$0.04 \$0.05
Subtotal - NROC					0.26		\$0.18
Total For Service:					1.26	<u> </u>	\$0.91

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Work Rem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob M	Applied Time (Minutes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

## CLASS - SELECTIVE CALL FORWARDING, PER NUMBER (con't)

13097 Offect Coet		\$0.91
13098		
13099	Cost Cost	
13100	Calculation Factor	Cost
13101	B C 0	E
13102 Marketing & Business Fees		
13103 Product Management Expense	D13103*E13097 0.019	9957 \$0.02
13104 Sales Expense	D13104*E13097 0.011	1877 \$0.01
13105 Product Advertising Expense	D13105*E13097 0.000	00.00
13106 Business Fees (Other Operating Taxes)	D13106*Sum(E13097:E13105) 0.001	1483 \$0.00
13107 Total Marketing & Business Fees	Sum(E13097:E13106)	\$0.03
13108		
13109 Sub-Total Direct Cost & Marketing	E13097+E13107	\$0.94
13110		
13111 Other Direct Expenses		
13112 Network Operations	D13112*E13109 0.034	1832 \$0.03
13113 Network Support Assets	D13113*E13109 0.014	703 \$0.01
13114 General Support Assets	D13114*E13109 0.088	3742 \$0.08
13115 General Purpose Computers	D13115*E13109 0.043	3342 \$0.04
13116 Uncollectible	D13116*E13109 0.003	3786 \$0.00
13117 Accounting & Finance Expense	D13117*E13109 0.007	346 \$0.01
13118 Human Resources Expense	D13118*E13109 0.008	294 \$0.01
13119 Information Management Expense	D13119*E13109 0.070	887 \$0.07
13120 Intangibles	D13120°E13109 0.000	00.00
13121 Total Other Direct Expenses	Sum(E13112:E13120)	\$0.26
13122		
13123 TELRIC	E13112+E13121	\$1.20
13124		
13125 Common		
13126 Executive Expense	D13126°E13123 0.011	267 \$0.01
13127 Planning Expense	D13127*E13123 0.000	
13128 External Relations Expense	D13128*E13123 0.037	846 \$0.05
13129 Legal Expense	D13129°E13123 0.004	717 \$0.01
13130 Other Procurement Expense	D13130*E13123 0.001	860 \$0.00
13131 Research & Development Expense	D13131*E13123 0.000	
13132 Other General and Admin Expense	D13132°E13123 0.015	
13133 Common Costs	Sum(E13126:E13132)	\$0.09
13134		
13135 TELRIC + Common Costs	E13123+E13133	\$1,28

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Work from	Time Minutes	Prob #1	Prob #2		rob App/led Time f4 (Minutes)	Labor Hour	Cost
A	В	C	D	E	F G B*(C Thru F)	Н	H * (G/60)
CLASS - SELECTIVE CALL REJECTION, PER NUMBER							
*ADD*							
-RCMAC 1st probability is % by switch type							
Translations - SW1 Translations - SW2	1 1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC  1st probability is average number of lines (200 lines in a system)  2nd column = % by switch type							
Administration - sw1	20	0.005	0.660		0.07	\$41.45	\$0.05
Maintenance - sw1	20	0.005	0.660		0.07	\$41.45	\$0.05
Administration - sw2 Maintenance - sw2	20 20	0.005 0.005	0.340 0.340		0.03 0.03	\$41.45 \$41.45	\$0.02 \$0.02
Subtotal - NROC					0.20		\$0.14
Total For Service:					1.20		\$0.87

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Work Item A	Time Minutes B	Prot #1 C	<b>Prob</b> #2 D	Prob #3 E		Applied Time (Minutes) G	Labor Mour Co H	ei
					Е	3 * (C Thru F)	H*(	3/60)

#### CLASS - SELECTIVE CALL REJECTION, PER NUMBER (con't)

		\$e
13188		
13189		OBI
13190		ctor Cost
13191	B C	D E
13192 Marketing & Business Fees	<del></del>	
13193 Product Management Expense	<b>D13193*E13187</b>	0.019957 \$0.
13194 Sales Expense	D13194*E13187	<b>).</b> 011877 \$0.
13195 Product Advertising Expense	D13195*E13187	0.000000 \$0.
13196 Business Fees (Other Operating Taxes)	D13196*Sum(E13187:E13195)	0.001483 \$0.
13197 Total Marketing & Business Fees	Sum(E13187:E13196)	\$0.
13198		
13199 Sub-Total Direct Cost & Marketing	E13187+E13197	\$0.
13200		
13201 Other Direct Expenses		
13202 Network Operations	D13202°E13199	0.034832 \$0.
13203 Network Support Assets	D13203*E13199 0	0.014703 \$0.0
13204 General Support Assets	D13204*E13199 0	0.088742 \$0.
13205 General Purpose Computers	D13205*E13199 0	0.043342 \$0.0
13206 Uncollectible	D13206*E13199 0	0.003786 \$0.
13207 Accounting & Finance Expense	D13207*E13199 0	0.007346 \$0.0
13208 Human Resources Expense	D13208*E13199 0	.008294 \$0.0
13209 Information Management Expense	D13209*E13199 0	.070887 \$0.0
13210 Intangibles	D13210*E13199 0	0.000000 \$0.0
13211 Total Other Direct Expenses	Sum(E13202:E13210)	\$0.5
13212		
13213 TELRIC	E13202+E13211	\$1.
13214	<u> </u>	
13215 Common		
13216 Executive Expense	D13216*E13213	.011267 \$0.0
13217 Planning Expense	D13217*E13213 0	.000525 \$0.0
13218 External Relations Expense	D13218*E13213 0	.037846 \$0.0
13219 Legal Expense	D13219*E13213 0	.004717 \$0.0
13220 Other Procurement Expense	D13220*E13213 0	.001860 \$0.0
13221 Research & Development Expense	<b>D13221*E13213</b> 0	.000006 \$0.0
13222 Other General and Admin Expense	D13222*E13213 0	.015064 \$0.0
13223 Common Costs	Sum(E13216:E13222)	\$0.0
13224		
13225 TELRIC + Common Costs	E13213+E13223	\$1,2

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Total For Service:

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0.34

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\$0.25

	Time Minutes B	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Hour	Cost
<b>^</b>	b	Ü	5	<u> </u>	B * (C Thru F)	П	H * (G/60)
DIR STA SEL/BUSY LAMP FLD, per arrangement							
*ADD*							
-RCMAC 1st probability is % by switch type Translations - SW2	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC					0.34		\$0.25

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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						B * (C Thru F)	H * (G/60)

#### DIR STA SEL/BUSY LAMP FLD, per arrangement (con't)

10077 #			Skowski Trie Tri
13277 Direct Cost. 13278			\$0.25
13279	Cost	Cost	
13280	Calculation	Fector	Cost
13281	B C	D	E
13282 Marketing & Businesa Fees			
13283 Product Management Expense	D13283*E13277	0.019957	\$0.00
13284 Sales Expense	D13284*E13277	0.011877	\$0.00
13285 Product Advertising Expense	D13285*E13277	0.000000	\$0.00
13286 Business Fees (Other Operating Taxes)	D13286*Sum(E13277:E13285)	0.001483	\$0.00 \$0.00
13287 Total Marketing & Business Fees	Sum(E13277:E13286)	0.001463	\$0.00 \$0.01
13288	30M(E13277.E13200)		\$0.01
13289 Sub-Total Direct Cost & Marketing	E13277+E13287		\$0.26
13290			90.20
13291 Other Direct Expenses			
13292 Network Operations	D13292°E13289	0.034832	\$0.01
13293 Network Support Assets	D13293*E13289	0.014703	\$0.00
13294 General Support Assets	D13294*E13289	0.088742	\$0.02
13295 General Purpose Computers	D13295*E13289	0.043342	\$0.02
13296 Uncollectible	D13296*E13289	0.003786	\$0.00
13297 Accounting & Finance Expense	D13297*E13289	0.003766	\$0.00
13298 Human Resources Expense	D13298*E13289	0.007343	\$0.00
13299 Information Management Expense	D13299*E13289	0.070887	\$0.00
13300 Intangibles	D13300*E13289	0.000000	\$0.02
13301 Total Other Direct Expenses	Sum(E13292:E13300)	0.000000	\$0.00
13302	30m(E1323£.E13300)		\$0.07
13303 TELRIC	E13292+E13301		\$0.33
13304			
13305 Common			
13306 Executive Expense	D13306*E13303	0.011267	\$0.00
13307 Planning Expense	D13307*E13303	0.000525	\$0.00
13308 External Relations Expense	D13308*E13303	0.037846	\$0.01
13309 Legal Expense	D13309°E13303	0.004717	\$0.00
13310 Other Procurement Expense	D13310*E13303	0.001860	\$0.00
13311 Research & Development Expense	D13311*E13303	0.000006	\$0.00
13312 Other General and Admin Expense	D13312*E13303	0.015064	\$0.00
13313 Common Costs	Sum(E13306:E13312)		\$0.02
13314			
13315 TELRIC + Common Costs	E13303+E13313		\$0.35

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
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Work flam	Timë Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor Mour	Cisat
Ä	В	С	D E F	G B * (C Thru F)	H	H * (G/60)
DIRECTED CALL PICK UP BARGE-IN						
*ADD*						
-RCMAC 1st probability is % by switch type Translations - 5E	1	0.660		0.66	\$43.81	\$0.4
Translations - DMS	1	0.340		0.34	\$43.81	\$0.4 \$0.2
Subtotal - RCMAC				1.00		\$0.7
-COMPLEX TRANSLATIONS						
1st probability is % by switch type	10	0.660		0.00	D41 45	64.5
Administration - 5E Maintenance - 5E	10	0.660		6.60 6.60	\$41.45 \$41.45	\$4.5 \$4.5
Administration - DMS	10	0.340		3.40	\$41.45	\$2.3
Maintenance - DMS	10	0.340		3.40	\$41.45	\$2.3
Subtotal - COMPLEX TRANSLATIONS				20.00		\$13.8
Total For Service:				21.00		\$14.5

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work ham A	Time Minutes B	Prob #1 C	Prat #2 D	Prob Pro		Labor Mour Cost
					B * (C Thru F)	H * (G/60)

#### DIRECTED CALL PICK UP BARGE-IN (con't,

13367 Direct Cost			\$14.55
13368	AND ALADA CALLEL CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE CALLE C		-
13369	Cost	Cost	
13370	Calculation	Fector	Cost
13371	ВС	D	E
13372 Marketing & Business Fees	<del></del>	-	
13373 Product Management Expense	D13373*E13367	0.019957	\$0.29
13374 Sales Expense	D13374*E13367	0.011877	\$0.17
13375 Product Advertising Expense	D13375*E13367	0.000000	\$0.00
13376 Business Fees (Other Operating Taxes)	D13376*Sum(E13367:E13375)	0.001483	\$0.02
13377 Total Marketing & Business Fees	Sum(E13367:E13376)		\$0.49
13378			
13379 Sub-Total Direct Cost & Marketing	E13367+E13377		\$15.03
13380	<del></del>		
13381 Other Direct Expenses			
13382 Network Operations	D13382*E13379	0.034832	\$0.52
13383 Network Support Assets	D13383*E13379	0.014703	\$0.22
13384 General Support Assets	D13384*E13379	0.088742	\$1.33
13385 General Purpose Computers	D13385°E13379	0.043342	\$0.65
13386 Uncollectible	D13386*E13379	0.003786	\$0.06
13387 Accounting & Finance Expense	D13387*E13379	0.007346	\$0.11
13388 Human Resources Expense	D13388*E13379	0.008294	\$0.12
13389 Information Management Expense	D13389*E13379	0.070887	\$1.07
13390 Intangibles	D13390*E13379	0.000000	\$0.00
13391 Total Other Direct Expenses	Sum(E13382:E13390)		\$4.09
13392			
13393 TELRIC	E13382+E13391		\$19.12
13394			
13395 Common			
13396 Executive Expense	D13396*E13393	0.011267	\$0.22
13397 Planning Expense	D13397*E13393	0.000525	\$0.01
13398 External Relations Expense	D13398*E13393	0.037846	\$0.72
13399 Legal Expense	D13399*E13393	0.004717	\$0.09
13400 Other Procurement Expense	D13400*E13393	0.001860	\$0.04
13401 Research & Development Expense	D13401*E13393	0.000006	\$0.00
13402 Other General and Admin Expense	D13402*E13393	0.015064	\$0.29
13403 Common Costs	Sum(E13396:E13402)	3.3001	\$1.36
13404			<del></del>
13405 TELRIC + Common Costs	E13393+E13403	· · · · · · · · · · · · · · · · · · ·	\$20.48

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Work them	Time Minutes	Prob #1	Prob Pro	. H B 6 W W W W W W W W W W W W W W W W W W	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	DE	F	G B * (C Thru F)	Н	H * (G/60)
DIRECTED CALL PICKUP WITHOUT BARGE-IN							
*ADD*							
-RCMAC 1st probability is % of switch type Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Translations - SW2	1	0.340	_		0.34	\$43.81	\$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC 1st probability is % of switch type							
Administration - SW1	10	0.660			6.60	\$41.45	\$4.56
Maintenance - SW1 Administration - SW2	10 10	0.660 0.340			6.60 3.40	\$41.45 \$41.45	\$4.56 \$2.35
Maintenance - SW2	10	0.340			3.40	\$41.45 \$41.45	\$2.35 \$2.35
Subtotal - NROC					20.00		\$13.82
Total For Service:					21.00		\$14.55

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Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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<b>Work Rem</b> A	Time Minutés B	Prob	Prob Prob #3 M E F	Applied Time (Minutes) G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

# DIRECTED CALL PICKUP WITHOUT BARGE-IN (con't)

13457 Direct Coat			\$14.56
13458			
13459	Cost	Cost	
13460	Calculation	Factor	Cost
13461	8 C	D	E
13462 Marketing & Business Fees			
13463 Product Management Expense	D13463*E13457	0.019957	\$0.29
13464 Sales Expense	D13464*E13457	0.011877	\$0.17
13465 Product Advertising Expense	D13465*E13457	0.000000	\$0.00
13466 Business Fees (Other Operating Taxes)	D13466*Sum(E13457:E13465)	0.001483	\$0.02
13467 Total Marketing & Business Fees	Sum(E13457:E13466)		\$0.49
13468			
13469 Sub-Total Direct Cost & Marketing	E13457+E13467		\$15.03
13470		· · · · · ·	
13471 Other Direct Expenses			
13472 Network Operations	D13472*E13469	0.034832	\$0.52
13473 Network Support Assets	D13473*E13469	0.014703	\$0.22
13474 General Support Assets	D13474*E13469	0.088742	\$1.33
13475 General Purpose Computers	D13475*E13469	0.043342	\$0.65
13476 Uncollectible	D13476*E13469	0.003786	\$0.06
13477 Accounting & Finance Expense	D13477*E13469	0.007346	\$0.11
13478 Human Resources Expense	D13478*E13469	0.008294	\$0.12
13479 Information Management Expense	D13479*E13469	0.070887	\$1.07
13480 Intangibles	_ D13480*E13469 _	0.000000	\$0.00
13481 Total Other Direct Expenses	Sum(E13472:E13480)		\$4.09
13482			
13483 TELRIC	E13472+E13481		\$19.12
13484			
13485 Common			
13486 Executive Expense	D13486*E13483	0.011267	\$0.22
13487 Planning Expens∈	D13487*E13483	0.000525	\$0.01
13488 External Relations Expense	D13488*E13483	0.037846	\$0.72
13489 Legal Expense	D13489°E13483	0.004717	\$0.09
13490 Other Procurement Expense	D13490*E13483	0.001860	\$0.04
13491 Research & Development Expense	D13491*E13483	0.000006	\$0.00
13492 Other General and Admin Expense	D13492*E13483	0.015064	\$0.29
13493 Common Costs	Sum(E13486:E13492)		\$1.36
13494			
13495 TELRIC + Common Costs	E13483+E13493		\$20.48

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work ham	Films Minutes	Prob #1		ob Applied Time M (Minches)	Labor Hour	Cost
Å	В	C	D E	FG B*(CThruF)	Н	I H * (G/60)
				,		(
DISTINCTIVE RING/DISTINCTIVE CALL WAITING						
*ADD*						
-NROC						
1st probability is % of switch type Administration - SW1	10	0.660		6.60	\$41.45	\$4.56
Maintenance - SW1	10	0.660		6.60	\$41.45	\$4.56
Administration - SW2 Maintenance - SW2	55 30	0.340 0.340		18.70 10.20	\$41.45 \$41.45	\$12.92 \$7.05
Subtotal - NROC				42.10		\$29.08
Total For Service:				42.10		\$29.08

Study Name: NONRECURRING ELEMENTS

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Work Heatt A	Time Minutes B	Prob Pro #1 #2 C D		Labor Mour Cost
			B * (C Thru F)	H * (G/60)

#### DISTINCTIVE RING/DISTINCTIVE CALL WAITING (con't,

13547 Direct Cost			9.08
13548			200,000
13549	Cost	Cost	
13550	Calculation F	actor Cost	
13551	B C	D E	
13552 Marketing & Business Fees		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200.000
13553 Product Management Expense	D13553*E13547	0.019957 \$0	0.58
13554 Sales Expense	D13554*E13547	0.011877 \$0	0.35
13555 Product Advertising Expense	D13555*E13547	0.000000 \$0	0.00
13556 Business Fees (Other Operating Taxes)	D13556*Sum(E13547:E13555)	0.001483 \$0	0.04
13557 Total Marketing & Business Fees	Sum(E13547:E13556)		0.97
13558			
13559 Sub-Total Direct Cost & Marketing	E13547+E13567	\$30	0.05
13560			_
13561 Other Direct Expenses			
13562 Network Operations	D13562*E13559	0.034832 \$1	1.05
13563 Network Support Assets	D13563*E13559	0.014703 \$0	),44
13564 General Support Assets	D13564*E13559	0.088742 \$2	2.67
13565 General Purpose Computers	D13565*E13559	0.043342 \$1	1.30
13566 Uncollectible	D13566*E13559	0.003786 \$0	3.11
13567 Accounting & Finance Expens∈	D13567*E13559	0.007346 \$0	).22
13568 Human Resources Expense	D13568*E13558	0.008294 \$0	0.25
13569 Information Management Expense	D13569*E13559	0.070887 \$2	2.13
13570 Intangibles	D13570*E13559	0.000000 \$0	0.00
13571 Total Other Direct Expenses	Sum(E13562:E13570)	\$8	3,17
13572			_
13573 TELRIC	E13562+E13571	\$38	3.23
13574			
13575 Common			
13576 Executive Expense	D13576*E13573	0.011267 \$0	).43
13577 Planning Expens€	D13577*E13573	0.000525 \$0	0.02
13578 External Relations Expens∈	D13578*E13573	0.037846 \$1	.45
13579 Legal Expense	D13579*E13573	0.004717 \$0	).18
13580 Other Procurement Expense	D13580*E13573	0.001860 \$0	3.07
13581 Research & Development Expense	D13581*E13573	0.000006 \$0	00.0
13582 Other General and Admin Expense	D13582*E13573		.58
13583 Common Costs	Sum(E13576:E13582)	\$2	2.73
13584			_
13585 TELRIC + Common Costs	E13573+E13583	\$40	.95

Study Name: NONRECURRING ELEMENTS

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Work flam	Time Minutos	Prob #1	Prob Prob	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D E	F	G B * (C Thru F)	H	I H * (G/60)
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM							
*ADD*							
-NROC 1st probability is % by switch type							
Administration - sw1 Maintenance - sw1	40 30	0.660 0.660			26.40	\$41.45	\$18.24
Administration - sw2	45	0.340			19.80 15.30	\$41.45 \$41.45	\$13.68 \$10.57
Maintenance - sw2	40	0.340			13.60	\$41.45	\$9.40
Subtotal - NROC		<u> </u>			75.10		\$51.88
Total For Service:					75.10		\$51.88

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group; Interconnection

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and actual contribution and and an actual work than	Time Minutes	#1	rob Prob #2 #3		Labor /Hour Coat
	В		D E	F G	H
				B * (C Thru F)	H * (G/60)

# EXPENSIVE ROUTE WARNING TONE - PER SYSTEM (con't)

10007			
13637 Direct Cost 13638			\$51.88
13639	Cour	Cost	
13640	Calculation	Factor	Cost
13641	B C	10001	E .
13642 Marketing & Business Fees			
13643 Product Management Expense	D13643*E13637	0.019957	\$1.04
13644 Sales Expense	D13644*E13637	0.019937	\$0.62
13645 Product Advertising Expense	D13645*E13637	0.000000	\$0.02
	D13646*Sum(E13637:E13645)	0.001483	
13646 Business Fees (Other Operating Taxes) 13647 Total Marketing & Business Fees	Sum(E13637:E13646)	0.001463	\$0.08 \$1.73
13648		<del></del>	\$1.73
13649 Sub-Total Direct Cost & Marketing	E13637+E13647		\$53.61
13650	E1303/+E1304/		303.01
13651 Other Direct Expenses			
	D13652*E13649	0.034832	\$1.87
13652 Network Operations	D13652 E13649	0.034832	\$0.79
13653 Network Support Assets	D13654°E13649	0.088742	
13654 General Support Assets	D13655*E13649	0.088742	\$4.76
13655 General Purpose Computers			\$2.32
13656 Uncollectible	D13656*E13649	0.003786	\$0.20
13657 Accounting & Finance Expense	D13657*E13649	0.007346	\$0.39
13658 Human Resources Expense	D13658*E13649	0.008294	\$0.44
13659 Information Management Expense	D13659*E13649	0.070887	\$3.80
13660 Intangibles	D13660*E13649	0.000000	\$0.00
13661 Total Other Direct Expenses	Sum(E13652:E13660)		\$14.58
13662 13663 TELRIC	E13652+E13661		\$68.19
13664	E 13032+E 13001		\$00.19
13665 Common			
13666 Executive Expense	D13666*E13663	0.011267	\$0.77
13667 Planning Expense	D13667*E13663	0.000525	\$0.77
13668 External Relations Expense	D13668*E13663	0.000328	\$2.58
	D13669*E13663	0.037646	\$0.32
13669 Legal Expense	D13670*E13663	0.001860	\$0.32
13670 Other Procurement Expense	D13677 E13663	0.000006	\$0.00
13671 Research & Development Expense 13672 Other General and Admin Expense	D13672*E13663	0.000006	\$0.00 \$1.03
	Sum(E13666:E13672)	0.013064	\$4.86
13673 Common Costs 13674	3um(E13600:E136/2)		34.00
	E13663+E13673		670 OF
13675 TELRIC + Common Costs	E13663+E13673		\$73.05

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Total For Service:

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\$31.92

46.20

Work tham A	Time Minutes B	Profit #7 C	Prop Prop #2 #3 D E	Prob ##	Applied Time (Minutes) G B * (C Thru F)	Lebor Ælour H	Cost   H * (G/60)
FACILITY RESTRICTION LEVEL - PER SYSTEM							
*ADD*							
-NROC  1st probability is % by switch type Administration - sw1 Maintenance - sw1	40 30	0.660 0.660			26.40 19.80	\$41.45 \$41.45	\$18.24 \$13.68
Subtotal - NROC					46.20		\$31.92

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Work Reim A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F		Lebor Mour Cost
						B * (C Thru F)	H * (G/60)

#### FACILITY RESTRICTION LEVEL - PER SYSTEM (con't)

13727 Direct Cost			\$31.92
13728			301.00
13729	Cost	Cost	
13730		Factor	Cost
13731	B C	D	E
13732 Marketing & Business Fees			
13733 Product Management Expense	D13733*E13727	0.019957	\$0.64
13734 Sales Expense	D13733 E13727	0.019957	\$0.38
13735 Product Advertising Expense	D13734 E13727	0.000000	\$0.30
13736 Business Fees (Other Operating Taxes)	D13736*Sum(E13727:E13735)	0.001483	\$0.05
13737 Total Marketing & Business Fees 13738	Sum(E13727:E13736)		\$1.06
13739 Sub-Total Direct Cost & Marketing	E13727+E13737		
13740	E13/2/+E13/3/	<del></del>	\$32.98
13740 13741 Other Direct Expenses			
13741 Other Direct Expenses 13742 Network Operations	D13742*E13739	0.034832	\$1.15
13742 Network Operations 13743 Network Support Assets	D13742*E13739	0.034832	\$0.48
13744 General Support Assets	D13744 £13739	0.014703	\$2.93
13744 General Support Assets 13745 General Purpose Computers	D13744*E13739	0.088742	\$2.93 \$1.43
13746 Uncollectible	D13745-E13739		
	D13746-E13739	0.003786 0.007346	\$0.12
13747 Accounting & Finance Expense			\$0.24
13748 Human Resources Expense	D13748*E13739	0.008294	\$0.27
13749 Information Management Expense	D13749*E13739	0.070887	\$2.34
13750 Intangibles	D13750*E13739	0.000000	\$0.00
13751 Total Other Direct Expenses	Sum(E13742:E13750)		\$8.97
13753 TELRIC	E13742+E13751		\$41.95
13754			<u> </u>
13755 Common			
13756 Executive Expense	D13756*E13753	0.011267	\$0.47
13757 Planning Expens∈	D13757*E13753	0.000525	\$0.02
13758 External Relations Expense	D13758*E13753	0.037846	\$1.59
13759 Legal Expense	D13759*E13753	0.004717	\$0.20
13760 Other Procurement Expense	D13760*E13753	0.001860	\$0.08
13761 Research & Development Expense	D13761*E13753	0.000006	\$0.00
13762 Other General and Admin Expense	D13762*E13753	0.015064	\$0.63
13763 Common Costs	Sum(E13756:E13762)		\$2.99
13764			<del></del>
13765 TELRIC + Common Costs	E13753+E13763		\$44.94
<u> </u>			

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

-RCMAC

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State: South Dakota									
	Work flam	71sta Minutos	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
	A	В	- C	D	E	F	G B t (C Thru E)	Н	
							B*(C Thru F)		H * (G/60)
GROUP INTERCOM - PER LINE									
*ADD*									

# 1st probability is % by switch type Translations - SW2

Translations - SW2	1	0.340		0.34	\$43.81	\$0.25
Subtotal - RCMAC				0.34		\$0.25
-NROC						
1st probability is average number of lines (200 lines in a system)						
2nd probability is % by switch type						
Administration - sw2	15	0.005	0.340	0.03	\$41.45	\$0.02
Maintenance - sw2	15	0.005	0.340	0.03	\$41.45	\$0.02
Administration - SW1	10	0.005	0.660	0.03	\$41.45	\$0.02
Maintenance - SW1	10	0.005	0.660	0.03	\$41.45	\$0.02
Subtotal - NROC				0.12		\$0.08
Total For Service:				0.46		\$0.33

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time Inutes B		Prot #2 D	Prob #3	Prob #4		Labor Mour	Coat
··	_	•	_	_	•	B * (C Thru F)	••	H * (G/60)

# GROUP INTERCOM - PER LINE (con't)

13817 Direct Cost			\$0.33
13818			
13819	Cost	Cost	
13820	Calculation	Factor	Cost
13821	8 6	D	E
13822 Marketing & Business Fees			
13823 Product Management Expense	D13823*E13817	0.019957	\$0.01
13824 Sales Expense	D13824°E13817	0.011877	\$0.00
13825 Product Advertising Expense	D13825*E13817	0.000000	\$0.00
13826 Business Fees (Other Operating Taxes)	D13826*Sum(E13817:E13825)	0.001483	\$0.00
13827 Total Marketing & Business Fees	Sum(E13817:E13826)		\$0.01
13828			
13829 Sub-Total Direct Cost & Marketing	E13817+E13827		\$0.34
13830			
13831 Other Direct Expenses			
13832 Network Operations	D13832*E13829	0.034832	\$0.01
13833 Network Support Assets	D13833*E13829	0.014703	\$0.01
13834 General Support Assets	D13834*E13829	0.088742	\$0.03
13835 General Purpose Computers	D13835*E13829	0.043342	\$0.01
13836 Uncollectible	D13836*E13829	0.003786	\$0.00
13837 Accounting & Finance Expens∈	D13837*E13829	0.007346	\$0.00
13838 Human Resources Expense	D13838*E13829	0.008294	\$0.00
13839 Information Management Expens∈	D13839*E13829	0.070887	\$0.02
13840 Intangibles	D13840*E13829	0.000000	\$0.00
13841 Total Other Direct Expenses	Sum(E13832:E13840)		\$0.09
13842			
13843 TELRIC	E13832+E13841		\$0.43
13844			
13845 Common			
13846 Executive Expense	D13846*E13843	0.011267	\$0.00
13847 Planning Expense	D13847*E13843	0.000525	\$0.00
13848 External Relations Expense	D13848*E13843	0.037846	\$0.02
13849 Legal Expense	D13849*E13843	0.004717	\$0.00
13850 Other Procurement Expense	D13850*E13843	0.001860	\$0.00
13851 Research & Development Expense	D13851*E13843	0.000006	\$0.00
13852 Other General and Admin Expense	D13852*E13843	0.015064	\$0.01
13853 Common Costs	Sum(E13846:E13852)		\$0.03
13854			
13855 TELRIC + Common Costs	E13843+E13853		\$0.46

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Burn	Time Minutes	Prob #1	Prob	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D	E F	G B * (C Thru F)	Н	H * (G/60)
HOT LINE - per line equipped, per line	•						
*ADD*							
-RCMAC 1st column = times per line							
2nd column = % by switch type Translations - SW1 Translations - SW2	1 1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Subtotal - RCMAC					1.00		\$0.73
Total For Service:				<u></u>	1.00		\$0.73

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work hain A	Time Minutes B	Prob Prob Irl II2 C D	Prob Pro 83 M E F		
				B * (C Thru F)	H * (G/60)

#### HOT LINE - per line equipped, per line (con't)

13907 Street Cost			\$0.73
13908			
13909	Cost	Cost	
13910	Calculation	Factor	Cost
13911	<u> </u>	Ð	E
13912 Marketing & Business Fees			
13913 Product Management Expense	D13913*E13907	0.019957	\$0.01
13914 Sales Expense	D13914*E13907	0.011877	\$0.01
13915 Product Advertising Expense	D13915*E13907	0.000000	\$0.00
13916 Business Fees (Other Operating Taxes)	D13916*Sum(E13907:E13915)	0.001483	<u>\$0.00</u>
13917 Total Marketing & Business Fees	Sum(E13907:E13916)		\$0.02
13918		•	
13919 Sub-Total Direct Cost & Marketing	E13907+E13917		\$0.75
13920			
13921 Other Direct Expenses			
13922 Network Operations	D13922*E13919	0.034832	\$0.03
13923 Network Support Assets	D13923*E13919	0.014703	\$0.01
13924 General Support Assets	D13924*E13919	0.088742	\$0.07
13925 General Purpose Computers	D13925*E13919	0.043342	\$0.03
13926 Uncollectible	D13926*E13919	0.003786	\$0.00
13927 Accounting & Finance Expense	D13927*E13919	0.007346	\$0.01
13928 Human Resources Expense	D13928*E13919	0.008294	\$0.01
13929 Information Management Expense	D13929*E13919	0.070887	\$0.05
13930 Intangibles	D13930*E13919	0.000000	\$0.00
13931 Total Other Direct Expenses	Sum(E13922:E13930)		\$0.21
13932	<u> </u>		
13933 TELRIC	E13922+E13931		\$0.96
13934			
13935 Common			
13936 Executive Expense	D13936*E13933	0.011267	\$0.01
13937 Planning Expense	D13937*E13933	0.000525	\$0.00
13938 External Relations Expense	D13938*E13933	0.037846	\$0.04
13939 Legal Expense	D13939*E13933	0.004717	\$0.00
13940 Other Procurement Expense	D13940°E13933	0.001860	\$0.00
13941 Research & Development Expense	D13941*E13933	0.000006	\$0.00
13942 Other General and Admin Expense	D13942*E13933	0.015064	\$0.01
13943 Common Costs	Sum(E13936:E13942)	<u> </u>	\$0.07
13944			
13945 TELRIC + Common Costs	E13933+E13943		\$1.03

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State: South Dakota

Total For Service:

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\$27.84

40.26

was an ang ang ang ang ang ang ang ang ang	Time Minutes B	Prob #1 C	Prob #2 D	Prob Prob #3 #4 E F	Applied Time (Minutes) G B* (C Thru F)	Labor Mour H	Cost I H * (G/60)
HUNTING - MULTIPOSITION HUNT QUEUING - per group							
*ADD*							
-RCMAC 1st probability is % by switch type Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Subtotal - RCMAC					0.66		\$0.48
-NROC  1st probability is % by switch type Administration - sw1 Maintenance - sw1	30 30	0.660 0.660			19.80 19.80	\$41.45 \$41.45	\$13.68 \$13.68
Subtotal - NROC					39.60		\$27.36

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work Rent A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob M F	Applied Time (Minutes) G	Lebor Hour H	Cost
						B * (C Thru F)		H * (G/60)

# HUNTING - MULTIPOSITION HUNT QUEUING - per group (con't)

13997 Direct Cost		\$27.84
13998		
13999	Cost	
14000	Calculation Factor	Cost
14001	B C D	E
14002 Marketing & Business Fees		***************************************
14003 Product Management Expense	D14003*E13997 0.01995	7 \$0.56
14004 Sales Expense	D14004*E13997 0.01187	7 \$0.33
14005 Product Advertising Expense	D14005*E13997 0.00000	\$0.00
14006 Business Fees (Other Operating Taxes)	D14006*Sum(E13997:E14005) 0.00148	3 \$0.04
14007 Total Marketing & Business Fees	Sum(E13997:E14006)	\$0.93
14008		
14009 Sub-Total Direct Cost & Marketing	E13997+E14007	\$28.77
14010		
14011 Other Direct Expenses		
14012 Network Operations	D14012*E14009 0.03483	2 \$1.00
14013 Network Support Assets	<b>D14013*E14009</b> 0.014703	\$0.42
14014 General Support Assets	D14014*E14009 0.08874	2 \$2.55
14015 General Purpose Computers	D14015*E14009 0.04334	2 \$1.25
14016 Uncollectible	D14016*E14009 0.003786	\$ \$0.11
14017 Accounting & Finance Expense	D14017*E14009 0.007346	\$ \$0.21
14018 Human Resources Expense	D14018*E14009 0.008294	\$0.24
14019 Information Management Expense	D14019*E14009 0.07088	7 \$2.04
14020 Intangibles	D14020*E14009 0.000000	\$0.00
14021 Total Other Direct Expenses	Sum(E14012:E14020)	\$7.82
14022		
14023 TELRIC	E14012+E14021	\$36.59
14024		
14025 Common		
14026 Executive Expense	D14026*E14023 0.011267	
14027 Planning Expense	D14027*E14023 0.000525	
14028 External Relations Expense	D14028*E14023 0.037846	
14029 Legal Expense	<b>D14029°E14023</b> 0.004717	
14030 Other Procurement Expense	D14030*E14023 0.001860	
14031 Research & Development Expense	D14031*E14023 0.000006	
14032 Other General and Admin Expense	D14032*E14023 0.015064	
14033 Common Costs	Sum(E14026:E14032)	\$2.61
14034	F44000 F44000	000 55
14035 TELRIC + Common Costs	E14023+E14033	\$39.20

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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\$27.84

40.26

Work them	Time Minutes	Prob	#2 #3	Prob Applied Time 54 (Minutes)	Labor Mour	Cost
^	В	С	D E	B * (C Thru F)	н	H * (G/60)
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE						
*ADD*						
-RCMAC  1st probability is % by switch type  Translations - SW1	1	0.660		0.66	\$43.81	\$0.48
Subtotal - RCMAC				0.66		\$0.48
-NROC  1st probability is % by switch type Administration - sw1 Maintenance - sw1	30 30	0.660 0.660		19.80 19.80	\$41.45 \$41.45	\$13.68 \$13.68
Subtotal - NROC				39.60		\$27.36

Study Name: NONRECURRING ELEMENTS

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Work than A	Time Minutes B	Prob Pro	Prob Applied Time #4 (Minutes) F G	Labor //Hour Cost H
			B * (C Thru F	) H * (G/60)

# HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE (con't,

14088			\$27.84
14089	Cont	Cost	
14090	Calculation	Factor	Cost
14091	B C	D	E
14092 Marketing & Business Fees		<u> </u>	
14093 Product Management Expense	D14093*E14087	0.019957	\$0.56
14094 Sales Expense	D14094*E14087	0.019937	\$0.33
14095 Product Advertising Expense	D14095°E14087	0.000000	\$0.00
14096 Business Fees (Other Operating Taxes)	D14096*Sum(E14087:E14095)	0.001483	
14097 Total Marketing & Business Fees	Sum(E14087:E14095)	0.001463	\$0.04 \$0.93
14098	Sum(E14007:E14096)		50.93
14099 Sub-Total Direct Cost & Marketing	E14087+E14097		\$28.77
14100	27-44-1-1407		<u> </u>
14101 Other Direct Expenses			
14102 Network Operations	D14102*E14099	0.034832	\$1.00
14103 Network Support Assets	D14103*E14099	0.014703	\$0.42
14104 General Support Assets	D14104*E14099	0.088742	\$2.55
14105 General Purpose Computers	D14105*E14099	0.043342	\$1.25
14106 Uncollectible	D14106*E14099	0.003786	\$0.11
14107 Accounting & Finance Expense	D14107°E14099	0.007346	\$0.21
14108 Human Resources Expense	D14108*E14099	0.008294	\$0.24
14109 Information Management Expense	D14109*E14099	0.070887	\$2.04
14110 Intangibles	D14110*E14099	0.000000	\$0.00
14111 Total Other Direct Expenses	Sum(E14102:E14110)		\$7.82
14112			
14113 TELRIC	E14102+E14111	<u></u>	\$36.59
14114			
14115 Common	D4444 CASS 444 C	0.011007	***
14116 Executive Expense	D14116*E14113	0.011267	\$0.41
14117 Planning Expense	D14117*E14113	0.000525	\$0.02
14118 External Relations Expense	D14118*E14113	0.037846	\$1.38
14119 Legal Expense	D14119*E14113	0.004717	\$0.17
14120 Other Procurement Expense	D14120*E14113	0.001860	\$0.07
14121 Research & Development Expense	D14121*E14113	0.000006	\$0.00
14122 Other General and Admin Expense 14123 Common Costs	D14122*E14113 Sum(E14116:E14122)	0.015064	\$0.55
			\$2.61

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work than	Time Minutes	Prob	Prob Prob Prob #2 #3 #4	Applied Time (Minutes)	Labor Hour	Cost
A	В	- <del>C</del> -	D E F	G B * (C Thru F)	Н	H * (G/60)
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE						
*ADD*						
-RCMAC 1st probability is % by switch type Translations - SW1	1	0.660		0.66	\$43.81	\$0.48
Subtotal - RCMAC				0.66		\$0.48
-NROC  1st probability is % by switch type  Translations - SW1  Translations - SW1	30 30	0.660 0.660		19.80 19.80	\$43.81 \$43.81	\$14.46 \$14.46
Subtotal - NROC				39.60		\$28.91
Total For Service:	<del></del>			40.26		\$29.40

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Work Nem A	Titria Mimutes B			Labor Priour Coat H
			B * (C Thru F)	H * (G/60)

# HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE (con't,

			Section
14177 Direct Cost 14178			\$29.40
14179	Cost	Cost	
14179	Calculation	Factor	
14181	B C	D	Cost
14182 Marketing & Business Fees			
14183 Product Management Expense	D14183*E14177	0.019957	\$0.59
14184 Sales Expense	D14163°E14177	0.019957	\$0.35
14185 Product Advertising Expense	D14185*E14177	0.000000	\$0.00
14186 Business Fees (Other Operating Taxes)	D14165*E14177 D14186*Sum(E14177:E14185)	0.000000	
		0.001483	\$0.04
14187 Total Marketing & Business Fees 14188	Sum(E14177:E14186)		\$0.98
	E14177+E14187		000 001
14189 Sub-Total Direct Cost & Marketing	E14177+E14187		\$30.38
14190			
14191 Other Direct Expenses	D4 44004#4 4400	0.001000	44.00
14192 Network Operations	D14192*E14189	0.034832	\$1.06
14193 Network Support Assets	D14193*E14189	0.014703	\$0.45
14194 General Support Assets	D14194*E14189	0.088742	\$2.70
14195 General Purpose Computers	D14195*E14189	0.043342	\$1.32
14196 Uncollectible	D14196*E14189	0.003786	\$0.12
14197 Accounting & Finance Expense	D14197*E14189	0.007346	\$0.22
14198 Human Resources Expense	D14198*E14189	0.008294	\$0.25
14199 Information Management Expense	D14199*E14189	0.070887	\$2.15
14200 Intangibles	D14200*E14189	0.000000	\$0.00
14201 Total Other Direct Expenses	Sum(E14192:E14200)		\$8.26
14202			
14203 TELRIC	E14192+E14201		\$38.64
14204			
14205 Common			
14206 Executive Expense	D14206*E14203	0.011267	\$0.44
14207 Planning Expense	D14207*E14203	0.000525	\$0.02
14208 External Relations Expense	D14208*E14203	0.037846	\$1.46
14209 Legal Expense	D14209*E14203	0.004717	\$0.18
14210 Other Procurement Expense	D14210*E14203	0.001860	\$0.07
14211 Research & Development Expense	D14211*E14203	0.000006	\$0.00
14212 Other General and Admin Expense	D14212*E14203	0.015064	\$0. <u>58</u>
14213 Common Costs	Sum(E14206:E14212)		\$2.75
14214			
14215 TELRIC + Common Costs	E14203+E14213		\$41.39

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State: South Dakota

Total For Service:

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\$1.23

1.68

Work flam A	Fime Minutes B	Prob #1 C	Prob Prob Prob #2 #3 #4 D E F	Applied Time (Minutes) G B * (C Thru F)	Labor Afour H	Cost I H * (G/60)
ISDN SHORT HUNT						
*ADD*						
-RCMAC  1st probability % by switch type Translations - SW1 Translations - SW2	1 3	0.660 0.340		0.66 1.02	\$43.81 \$43.81	\$0.48 \$0.74
Subtotal - RCMAC	<del></del>			1.68		\$1.23

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them A	Time Minutes B	Prob #1 C	Prot #2 D	Prob #3 E	Prob #4		Labor Mour	Cost
						B * (C Thru F)		H * (G/60)

# ISDN SHORT HUNT (con't)

1,003			
14267 Direct Cost 14268			\$1,23
14269	Cost	Cost	
14270	Calculation	Fector	Cost
14271	B C	D D	E
14271 Marketing & Business Fees			-
14273 Product Management Expense	D14273*E14267	0.019957	\$0.02
14273 Product Management Expense	D14274*E14267	0.019937	\$0.02
14275 Product Advertising Expense	D14275*E14267	0.000000	\$0.00
14275 Product Advertising Expense 14276 Business Fees (Other Operating Taxes)	D14276*Sum(E14267:E14275)	0.001483	\$0.00
14277 Total Marketing & Business Fees	Sum(E14267:E14273;	0.001403	\$0.04
14278	Sun(E14207:E14270)		\$0.04
14279 Sub-Total Direct Cost & Marketing	E14267+E14277		\$1.27
14280	E14207+E14277		<b>₽1.27</b>
14281 Other Direct Expenses			
14282 Network Operations	D14282*E14279	0.034832	\$0.04
14283 Network Support Assets	D14283*E14279	0.034632	\$0.04
14284 General Support Assets	D14284*E14279	0.014703	\$0.02
	D14285*E14279	0.063742	\$0.05
14285 General Purpose Computers	D14286*E14279	0.003786	\$0.05
14286 Uncollectible			
14287 Accounting & Finance Expense	D14287*E14279	0.007346	\$0.01
14288 Human Resources Expense	D14288*E14279	0.008294	\$0.01
14289 Information Management Expense	D14289*E14279	0.070887	\$0.09
14290 Intangibles	D14290*E14279	0.00000	\$0.00
14291 Total Other Direct Expenses	Sum(E14282:E14290)		\$0.34
14292			
14293 TELRIC	E14282+E14291		\$1.61
14294			
14295 Common	B. (		** **
14296 Executive Expense	D14296*E14293	0.011267	\$0.02
14297 Planning Expense	D14297*E14293	0.000525	\$0.00
14298 External Relations Expense	D14298*E14293	0.037846	\$0.06
14299 Legal Expense	D14299*E14293	0.004717	\$0.01
14300 Other Procurement Expense	D14300*E14293	0.001860	\$0.00
14301 Research & Development Expense	D14301*E14293	0.000006	\$0.00
14302 Other General and Admin Expense	D14302*E14293	0.015064	\$0.02
14303 Common Costs	Sum(E14296:E14302)		\$0.11
14304			
14305 TELRIC + Common Costs	E14293+E14303	·	\$1.73

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work them	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Lebor /Hour	Cost
A	В	С	Đ	E	F	G B * (C Thru F)	Н	! H * (G/60)
						B (0 (11101)		11 (0/00)
LOUDSPEAKER PAGING TRUNK SIDE, per group								
*ADD*								
-RCMAC								
1st probability is % by switch type								
Translations - SW1	]	0.660				0.66	\$43.81	\$0.48
Translations - SW2	,	0.340				0.34	\$43.81	\$0.25
Subtotal - RCMAC						1.00		\$0.73
-NROC								
1st probability is % by switch type								
Administration - sw1	105	0.660				69.30	\$41.45	\$47.87
Maintenance - sw1	80	0.660				52.80	\$41.45	\$36.48
Administration - sw2	85	0.340				28.90	\$41.45	\$19.97
Maintenance - sw2	95	0.340				32.30	\$41.45	\$22.31
Subtotal - NROC		<del></del>				183.30		\$126.63
Total For Service:						184.30		\$127.36

Study Name: NONRECURRING ELEMENTS

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Product Group: Interconnection

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Work Item A	Dine Minutes B	Prob Prob #1 #2 C D		ber Sur Ceet
			B*(CThruF)	H * (G/60)

#### LOUDSPEAKER PAGING TRUNK SIDE, per group (con't)

14358			
14359	Cost	Cost	
14360	Calculation	Factor	Cost
14361	6 C	D	E
14362 Marketing & Business Fees			
14363 Product Management Expense	D14363*E14357	0.019957	\$2.5
14364 Sales Expense	D14364*E14357	0.011877	\$1.5
14365 Product Advertising Expense	D14365*E14357	0.000000	\$0.0
14366 Business Fees (Other Operating Taxes)	D14366*Sum(E14357:E14365)	0.001483	\$0.
4367 Total Marketing & Business Fees	Sum(E14357:E14366)		\$4.2
14368			
4369 Sub-Total Direct Cost & Marketing	E14357+E14367		\$131.0
4370			
4371 Other Direct Expenses			
14372 Network Operations	D14372*E14369	0.034832	\$4.
14373 Network Support Assets	D14373*E14369	0.014703	\$1.5
14374 General Support Assets	D14374*E14369	0.088742	\$11.
4375 General Purpose Computers	D14375*E14369	0.043342	\$5.
4376 Uncollectible	D14376*E14369	0.003786	\$0.
4377 Accounting & Finance Expens∈	D14377*E14369	0.007346	\$0.9
4378 Human Resources Expense	D14378*E14369	0.008294	\$1.0
4379 Information Management Expense	D14379*E14369	0.070887	\$9.
14380 Intangibles	D14380°E14369	0.000000	\$0.0
4381 Total Other Direct Expenses	Sum(E14372:E14380)		\$35.
4382			
4383 TELRIC	E14372+E14381		\$167.4
4384			
4385 Common			
4386 Executive Expense	D14386*E14383	0.011267	\$1.8
4387 Planning Expense	D14387*E14383	0.000525	\$0.0
4388 External Relations Expense	D14388*E14383	0.037846	\$6.3
4389 Legal Expense	D14389*E14383	0.004717	\$0.
4390 Other Procurement Expense	D14390*E14383	0.001860	\$0.3
4391 Research & Development Expense	D14391*E14383	0.000006	\$0.0
4392 Other General and Admin Expense	D14392*E14383	0.015064	\$2.
4393 Common Costs	Sum(E14386:E14392)		\$11.9

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Total For Service:

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\$0.48

0.66

Work here	Time Minutes	Prob #1	Prob #2		Prob Applied Time #4 (Minutes)	Lebor Hour	Cost
A	В	C	D	E	F G B * (C Thru F)	Н	I H * (G/60)
MAKE BUSY ARRANGEMENTS, per group							
*ADD*							
-RCMAC  1st probability is % by switch type  Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Subtotal - RCMAC					0.66		\$0.48

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Analyst: Deffley/Eoriatti
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Work Rent A	Time Minutes B	Prob #1 C	Prob Prob #2 #3 D E		Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

# MAKE BUSY ARRANGEMENTS, per group (con't)

14447 Direct Cost			\$0.48
14448			
14449	Cost	Cost	
14450	Calculation	Factor	Cost
14451	8 C	D	2
14452 Marketing & Business Fees			
14453 Product Management Expense	D14453*E14447	0.019957	\$0.01
14454 Sales Expense	D14454*E14447	0.011877	\$0.01
14455 Product Advertising Expense	D14455*E14447	0.000000	\$0.00
14456 Business Fees (Other Operating Taxes)	D14456*Sum(E14447:E14455)	0.001483	\$0.00
14457 Total Marketing & Business Fees	Sum(E14447:E14456)	"	\$0.02
14458			
14459 Sub-Total Direct Cost & Merketing	E14447+E14457		\$0.50
14460	<del></del>		
14461 Other Direct Expenses			
14462 Network Operations	D14462*E14459	0.034832	\$0.02
14463 Network Support Assets	D14463*E14459	0.014703	\$0.01
14464 General Support Assets	D14464*E14459	0.088742	\$0.04
14465 General Purpose Computers	D14465°E14459	0.043342	\$0.02
14466 Uncollectible	D14466*E14459	0.003786	\$0.00
14467 Accounting & Finance Expense	D14467*E14459	0.007346	\$0.00
14468 Human Resources Expense	D14468*E14459	0.008294	\$0.00
14469 Information Management Expense	D14469*E14459	0.070887	\$0.04
14470 Intangibles	D14470*E14459	0.000000	\$0.00
14471 Total Other Direct Expenses	Sum(E14462:E14470)		\$0.14
14472 14473 TELRIC	E14462+E14471		\$0.63
14474	LI-TOLTE (447)		\$0.03
14475 Common			
14476 Executive Expense	D14476*E14473	0.011267	\$0.01
14477 Planning Expense	D14477*E14473	0.000525	\$0.00
14478 External Relations Expens∈	D14478*E14473	0.037846	\$0.02
14479 Legai Expense	D14479*E14473	0.004717	\$0.00
14480 Other Procurement Expense	D14480*E14473	0.001860	\$0.00
14481 Research & Development Expense	D14481*E14473	0.000006	\$0.00
14482 Other General and Admin Expense	D14482*E14473	0.015064	\$0.00
14483 Common Costs	Sum(E14476:E14482)	5.010007	\$0.05
14484			40.00

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Work them	Time Minutes	Prob Prob	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	C D	E F	G B*(C Thru F)	Н	I H * (G/60)
MAKE BUSY ARRANGEMENTS, per line						
*ADD*						
-RCMAC 1st probability is % by switch type Translations - SW1	1	0.660		0.66	<b>\$43</b> .81	\$0.48
Subtotal - RCMAC				0.66		\$0.48
Total For Service:		····		0.66		\$0.48

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Work Rem	Time Minotes	Prob Prob	Prob Prob		Labor Mour Cost
A	В	С В	E F	G	H ' ' '
				B * (C Thru F)	H * (G/60)

# MAKE BUSY ARRANGEMENTS, per line (con't,

14537 (10-4554)		\$0.48
14538		92.50
14539	COR	
14540	Calculation Factor	Cost
14541	8 0	E
14542 Marketing & Business Fees		
14543 Product Management Expense	D14543*E14537 0.019957	\$0.01
14544 Sales Expense	D14544*E14537 0.011877	\$0.01
14545 Product Advertising Expense	D14545°E14537 0.000000	\$0.00
14546 Business Fees (Other Operating Taxes)	D14546*Sum(E14537:E14545) 0.001483	\$0.00
14547 Total Marketing & Business Fees	Sum(E14537:E14546)	\$0.02
14548		
14549 Sub-Total Direct Cost & Marketing	E14537+E14547	\$0.50
14550	<u> </u>	
14551 Other Direct Expenses		
14552 Network Operations	D14552*E14549 0.034832	\$0.02
14553 Network Support Assets	D14553*E14549 0.014703	\$0.01
14554 General Support Assets	D14554*E14549 0.088742	\$0.04
14555 General Purpose Computers	D14555*E14549 0.043342	\$0.02
14556 Uncollectible	D14556*E14549 0.003786	\$0.00
14557 Accounting & Finance Expense	D14557*E14549 0.007346	\$0.00
14558 Human Resources Expense	D14558*E14549 0.008294	\$0.00
14559 Information Management Expense	D14559*E14549 0.070887	\$0.04
14560 intangibles	D14560*E14549	\$0.00
14561 Total Other Direct Expenses	Sum(E14552: E14560)	\$0.14
14562		
14563 TELRIC	E14552+E14561	\$0.63
14564		
14565 Common		
14566 Executive Expense	D14566*E14563 0.011267	\$0.01
14567 Planning Expens€	D14567*E14563 0.000525	\$0.00
14568 External Relations Expense	D14568*E14563 0.037846	\$0.02
14569 Legal Expense	<b>D14569*E14563</b> 0.004717	\$0.00
14570 Other Procurement Expense	D14570°E14563 0.001860	\$0.00
14571 Research & Development Expense	D14571*E14563 0.000006	\$0.00
14572 Other General and Admin Expense	D14572*E14563	\$0.01
14573 Common Costs	Sum(E14566:E14572)	\$0.05
14574		
14575 TELRIC + Common Costs	E14563+E14573	\$0.68

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Total For Service:

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\$0.25

0.34

Subtotal - RCMAC							0.34		\$0.25
-RCMAC  1st probability is % by switch type  Translations - SW2		1 :	0.340				0.34	\$43.81	\$0.25
*ADD*									
MESSAGE CENTER - per main station line, per line									
•	_	·		-	_	·	B * (C Thru F)	••	H * (G/60)
Work Item	Time Minutes B	Proi	***********	Prob #2 D	Prob #3	Prob #4	Applied Time (Minutes)	Lebor Mour H	Cost

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Work Item A	Time Invites B	Prob Pro #1 #2 C D	at Prot : #3 ) E	Prob #4 F		Labor Mour Coat H	
				E	3 * (C Thru F)	H * (G/60)	)

# MESSAGE CENTER - per main station line, per line (con't)

14627 Street Cont			\$0.25
14628			acceptance of the second
14629	Cost	Cost	
14630	Calculation	Fector	Cost
14631	B C	- 6	E
14632 Marketing & Business Fees			
14633 Product Management Expense	D14633*E14627	0.019957	\$0.00
14634 Sales Expense	D14634*E14627	0.011877	\$0.00
14635 Product Advertising Expense	D14635*E14627	0.000000	\$0.00
14636 Business Fees (Other Operating Taxes)	D14636*Sum(E14627;E14635)	0.001483	\$0.00
14637 Total Marketing & Business Fees	Sum(E14627:E14636)		\$0.01
14638			
14639 Sub-Total Direct Cost & Marketing	E14627+E14637		\$0.26
14640			
14641 Other Direct Expenses			
14642 Network Operations	D14642*E14639	0.034832	\$0.01
14643 Network Support Assets	D14643*E14639	0.014703	\$0.00
14644 General Support Assets	D14644°E14639	0.088742	\$0.02
14645 General Purpose Computers	D14645*E14639	0.043342	\$0.01
14646 Uncollectible	D14646*E14639	0.003786	\$0.00
14647 Accounting & Finance Expense	D14647*E14639	0.007346	\$0.00
14648 Human Resources Expense	D14648*E14639	0.008294	\$0.00
14649 Information Management Expense	D14649*E14639	0.070887	\$0.02
14650 Intangibles	D14650°E14639	0.000000	\$0.00
14651 Total Other Direct Expenses	Sum(E14642:E14650)		\$0.07
14652			
14653 TELRIC	E14642+E14651		\$0.33
14654			
14655 Common			
14656 Executive Expense	D14656*E14653	0.011267	\$0.00
14657 Planning Expense	D14657*E14653	0.000525	\$0.00
14658 External Relations Expense	D14658*E14653	0.037846	\$0.01
14659 Legal Expense	D14659*E14653	0.004717	\$0.00
14660 Other Procurement Expense	D14660*E14653	0.001860	\$0.00
14661 Research & Development Expense	D14661*E14653	0.000006	\$0.00
14662 Other General and Admin Expense	D14662*E14653	0.015064	\$0.00
14663 Common Costs	Sum(E14656:E14662)		\$0.02
14664			
14665 TELRIC + Common Costs	E14653+E14663		\$0.35

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Total For Service:

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0.34

\$0.25

Work Rism	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Lebor Most H	<i>Cost</i>   H * (G/60)
MESSAGE WAITING VISUAL, per line *ADD*								
-RCMAC  1st probability is % by switch type  Translations - SW2	1	0.340				0.34	\$43.81	\$0.25
Subtotal - RCMAC		0.340				0.34	943.01	\$0.25

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Time Prob linutes #1 B C	Prob #2 D	Prob Prob #3 #4 E F		Labor Afour Cost H I
			B * (C Thru F)	H * (G/60)

# MESSAGE WAITING VISUAL, per line (con't)

14717 Direct Cost			\$0.26
14718			SSEAN SEED AS PARAMENTANT
14719	Cost	Cost	
14720		Factor	Cost
14721	B 6	D	E
14722 Marketing & Business Fees			<u> </u>
14723 Product Management Expense	D14723*E14717	0.019957	\$0.00
14724 Sales Expense	D14724*E14717	0.011877	\$0.00
14725 Product Advertising Expense	D14725*E14717	0.000000	\$0.00
14726 Business Fees (Other Operating Taxes)	D14726*Sum(E14717:E14725)	0.001483	\$0.00
14727 Total Marketing & Business Fees	Sum(E14717;E14726)		\$0.01
14728			
14729 Sub-Total Direct Cost & Marketing	E14717+E14727		\$0.26
14730			
14731 Other Direct Expenses			
14732 Network Operations	D14732*E14729	0.034832	\$0.01
14733 Network Support Assets	D14733*E14729	0.014703	\$0.00
14734 General Support Assets	D14734*E14729	0.088742	\$0.02
14735 General Purpose Computers	D14735*E14729	0.043342	\$0.01
14736 Uncollectible	D14736*E14729	0.003786	\$0.00
14737 Accounting & Finance Expense	D14737*E14729	0.007346	\$0.00
14738 Human Resources Expense	D14738*E14729	0.008294	\$0.00
14739 Information Management Expense	D14739*E14729	0.070887	\$0.02
14740 Intangibles	D14740*E14729	0.000000	\$0.00
14741 Total Other Direct Expenses	Sum(E14732:E14740)		\$0.07
14742			-
14743 TELRIC	E14732+E14741		\$0.33
14744			
14745 <b>Common</b>			
14746 Executive Expense	D14746*E14743	0.011267	\$0.00
14747 Planning Expens€	D14747*E14743	0.000525	\$0.00
14748 External Relations Expense	D14748*E14743	0.037846	\$0.01
14749 Legal Expense	D14749°E14743	0.004717	\$0.00
14750 Other Procurement Expense	D14750*E14743	0.001860	\$0.00
14751 Research & Development Expense	D14751*E14743	0.000006	\$0.00
14752 Other General and Admin Expense	D14752*E14743	0.015064	\$0.00
14753 Common Costs	Sum(E14746:E14752)		\$0.02
14754			
14755 TELRIC + Common Costs	E14743+E14753	-	\$0.35

# NUATION

# [03]

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Total For Service:

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\$16.69

24.14

Work Heat	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	Ē	F	G B * (C Thru F)	Н	T H * (G/60)
MUSIC ON HOLD - per system								
*ADD*								
-RCMAC 1st probability is % by switch type Translations - SW2	1	0.34	<b>1</b> 0			0.34	\$43.81	\$0.25
Subtotal - RCMAC						0.34		\$0.25
-NROC 1st probability is % by switch type Administration - sw2 Maintenance - sw2	35 35					11.90 11.90		\$8.22 \$8.22
Subtotal - NROC						23.80		\$16.44

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antantinessas seessa maata in paradah angadah di <mark>Work New</mark> salah na angadah seessas	Tirke Minutes	Prob Prob #1 #2			abor Hour Cost
A	<b>D</b>	C D	_	r (3	п ।
				B * (C Thru F)	H * (G/60)

## MUSIC ON HOLD - per system (con't)

14807 Direct Cost 14808		\$16.89
14809	Cost	
14810	Calculation Factor	Cost
	B C D	E
14811	<u> </u>	
14812 Marketing & Business Fees	D4 40404E4 400E	DET 60.00
14813 Product Management Expense	D14813*E14807 0.019	
14814 Sales Expense	D14814*E14807 0.01	
14815 Product Advertising Expense	D14815°E14807 0.000	
14816 Business Fees (Other Operating Taxes)	D14816*Sum(E14807:E14815) 0.00*	
14817 Total Marketing & Business Fees	Sum(E14807:E14816)	\$0.56
14818		
14819 Sub-Total Direct Cost & Marketing	E14807+E14817	\$17.25
14820		
14821 Other Direct Expenses		
14822 Network Operations	D14822*E14819 0.034	
14823 Network Support Assets	D14823°E14819 0.014	*
14824 General Support Assets	D14824*E14819 0.088	
14825 General Purpose Computers	D14825*E14819 0.043	
14826 Uncollectible	D14826*E14819 0.003	
14827 Accounting & Finance Expense	D14827*E14819 0.007	346 \$0.13
14828 Human Resources Expense	D14828*E14819 0.008	294 \$0.14
14829 Information Management Expense	D14829*E14819 0.070	887 \$1.22
14830 Intangibles	D14830*E14819 0.000	000 \$0.00
14831 Total Other Direct Expenses	Sum(E14822:E14830)	\$4.69
14832		
14833 TELRIC	E14822+E14831	\$21.94
14834		
14835 Common		
14836 Executive Expense	D14836°E14833 0.011	267 \$0.25
14837 Planning Expense	D14837*E14833 0.000	525 \$0.01
14838 External Relations Expens∈	D14838*E14833 0.037	846 \$0.83
14839 Legai Expense	D14839*E14833 0.004	717 \$0.10
14840 Other Procurement Expense	D14840°E14833 0.001	, -
14841 Research & Development Expense	D14841*E14833 0.000	
14842 Other General and Admin Expense	D14842*E14833 0.015	
14843 Common Costs	Sum(E14836;E14842)	\$1.56
14844		
14845 TELRIC + Common Costs	E14833+E14843	\$23,50

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Work Rear	Time Minutes	Prob #1	Prob Prob #2 #3	Prob Applied Time M (Minutes)	Labor Mour	Cost
A	В	C	D E	F G B * (C Thru F)	H	H * (G/60)
PRIVACY RELEASE, per station line						
*ADD*						
-RCMAC 1st probability is % by switch type Translations - SW2	1	0.340		0.34	\$43.81	\$0.25
Subtotal - RCMAC				0.34		\$0.25
-NROC Time is 20/20 time per system of 200 lines with 50% penetration, divisor 100 1st probability is % by switch type Administration - sw2 Maintenance - sw2	0.2 0.2	0.340 0.340		0.07 0.07	\$41.45 \$41.45	\$0.05 \$0.05
Subtotal - NROC				0.14		\$0.09
Total For Service:				0.48		\$0.34

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₩ork /tem A	Time Minutes B	Prob #1 C	Prob         Prob           #2         #3           D         E	Applied Time (Minutes) G	Labor Hour	Cost
				B * (C Thru F)	H,	(G/60)

## PRIVACY RELEASE, per station line (con't)

			_
14897 Direct Cost			\$0.34
14898			
14899	Cost	Cost	
14900	Calculation	Factor	Cost
14901	В 6	D	E
14902 Marketing & Business Fees			
14903 Product Management Expense	D14903*E14897	0.019957	\$0.01
14904 Sales Expense	D14904*E14897	0.011877	\$0.00
14905 Product Advertising Expense	D14905*E14897	0.000000	\$0.00
14906 Business Fees (Other Operating Taxes)	D14906*Sum(E14897:E14905)	0.001483	\$0.00
14907 Total Marketing & Business Fees	Sum(E14897:E14906)		\$0.01
14908			_
14909 Sub-Total Direct Cost & Marketing	E14897+E14907		\$0.35
14910			
14911 Other Direct Expenses			
14912 Network Operations	D14912*E14909	0.034832	\$0.01
14913 Network Support Assets	D14913*E14909	0.014703	\$0.01
14914 General Support Assets	D14914*E14909	0.088742	\$0.03
14915 General Purpose Computers	D14915*E14909	0.043342	\$0.02
14916 Uncollectible	D14916*E14909	0.003786	\$0.00
14917 Accounting & Finance Expense	D14917*E14909	0.007346	\$0.00
14918 Human Resources Expense	D14918*E14909	0.008294	\$0.00
14919 Information Management Expens€	D14919*E14909	0.070887	\$0.03
14920 Intangibles	D14920°E14909	0.000000	\$0.00
14921 Total Other Direct Expenses	Sum(E14912:E14920)		\$0.10
14922			- 1
14923 TELRIC	E14912+E14921		\$0.45
14924			
14925 Common			
14926 Executive Expense	D14926*E14923	0.011267	\$0.01
14927 Planning Expense	D14927*E14923	0.000525	\$0.00
14928 External Relations Expense	D14928*E14923	0.037846	\$0.02
14929 Legal Expense	D14929*E14923	0.004717	\$0.00
14930 Other Procurement Expense	D14930*E14923	0.001860	\$0.00
14931 Research & Development Expense	D14931*E14923	0.000006	\$0.00
14932 Other General and Admin Expense	D14932*E14923	0.015064	\$0.01
14933 Common Costs	Sum(E14926: E14932)		\$0.03
14934			
14935 TELRIC + Common Costs	E14923+E14933	····	\$0.48

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Secretaria de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la company	Time Minutes	Prob #1	Prob #2	Prob P #3		abor Hour Cost
A	В		D	E	F G	н — —
					B * (C Thru F)	H * (G/60)

QUERY TIME, per station line

\*ADD\*

-RCMAC

1st probability is % by switch type Translations - SW2

1 0.340 0.34 \$43.81 \$0.25 **0.34** \$0.25

 Subtotal - RCMAC
 0.34
 \$0.25

 Total For Service:
 0.34
 \$0.25

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work item A	Fine Minutes B	rab Prob k2 #3 D E		ebor Hour Cost H
			B * (C Thru F)	H * (G/60)

## QUERY TIME, per station line (con't)

14987 Direct Coet			\$0.25
14988			***************************************
14989	Cost	Cost	
14990	Calculation	Factor	Cost
14991	8 6	5	
14992 Marketing & Business Fees			
14993 Product Management Expense	D14993*E14987	0.019957	\$0.00
14994 Sales Expense	D14994*E14987	0.011877	\$0.00
14995 Product Advertising Expense	D14995*E14987	0.000000	\$0.00
14996 Business Fees (Other Operating Taxes)	D14996*Sum(E14987;E14995)	0.001483	\$0.00
14997 Total Marketing & Business Fees	Sum(E14987:E14996)		\$0.01
14998			
14999 Sub-Total Direct Cost & Marketing	E14987+E14997		\$0.26
15000			
15001 Other Direct Expenses			
15002 Network Operations	D15002*E14999	0.034832	\$0.01
15003 Network Support Assets	D15003*E14999	0.014703	\$0.00
15004 General Support Assets	D15004*E14999	0.088742	\$0.02
15005 General Purpose Computers	D15005*E14999	0.043342	\$0.01
15006 Uncollectible	D15006*E14999	0.003786	\$0.00
15007 Accounting & Finance Expense	D15007*E14999	0.007346	\$0.00
15008 Human Resources Expense	D15008*E14999	0.008294	\$0.00
15009 Information Management Expense	D15009*E14999	0.070887	\$0.02
15010 Intangibles	D15010*E14999	0.000000	\$0.00
15011 Total Other Direct Expenses	Sum(E15002:E15010)	· · · · · ·	\$0.07
15012			
15013 TELRIC	E15002+E15011		\$0.33
15014			
15015 Common			
15016 Executive Expense	D15016*E15013	0.011267	\$0.00
15017 Planning Expense	D15017*E15013	0.000525	\$0.00
15018 External Relations Expense	D15018°E15013	0.037846	\$0.01
15019 Legal Expense	D15019*E15013	0.004717	\$0.00
15020 Other Procurement Expense	D15020°E15013	0.001860	\$0.00
15021 Research & Development Expense	D15021*E15013	0.000006	\$0.00
15022 Other General and Admin Expense	D15022*E15013	0.015064	\$0.00
15023 Common Costs	Sum(E15016: E15022)		\$0.02
15024			
15025 TELRIC + Common Costs	E15013+E15023	1.	\$0.35

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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saltasina kapan 3 mmasasin	Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
	A	8	C	Б -	Ē	F	G B * (C Thru F)	Н	H * (G/60)
STATION CAMP-ON, per main line, per line									
*ADD*									
-RCMAC 1st probability is % by switch type Translations - SW2		1	0.340				0.34	\$43.81	\$0.25
Subtotal - RCMAC							0.34		\$0.25
Total For Service:							0.34		\$0.25

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work them A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Pr #9 #	ob Appiled Time 4 (Minutes) G	Lebor H Cast
					B * (C Thru F)	H * (G/60)

## STATION CAMP-ON, per main line, per line (con't)

15077 Direct Cost			\$0.25
15078			80,20
15079	Cost	Cost	
15080		actor	Cost
15081	B C	D	E
1000	<u> </u>		
15082 Marketing & Business Fees	045000054507	0.040057	
15083 Product Management Expense	D15083*E15077	0.019957	\$0.00
15084 Sales Expense	D15084*E15077	0.011877	\$0.00
15085 Product Advertising Expense	D15085*E15077	0.000000	\$0.00
15086 Business Fees (Other Operating Taxes)	D15086*Sum(E15077:E15085)	0.001483	\$0.00
15087 Total Marketing & Business Fees	Sum(E15077:E15086)		\$0.01
15088	<del></del>		
15089 Sub-Total Direct Cost & Marketing	E15077+E15087		\$0.26
15090			
15091 Other Direct Expenses			
15092 Network Operations	D15092*E15089	0.034832	\$0.01
15093 Network Support Assets	D15093*E15089	0.014703	\$0.00
15094 General Support Assets	D15094*E15089	0.088742	\$0.02
15095 General Purpose Computers	D15095*E15089	0.043342	\$0.01
15096 Uncollectible	D15096*E15089	0.003786	\$0.00
15097 Accounting & Finance Expense	D15097*E15089	0.007346	\$0.00
15098 Human Resources Expense	D15098*E15089	0.008294	\$0.00
15099 Information Management Expense	D15099*E15089	0.070887	\$0.02
15100 Intengibles	D15100*E15089	0.000000	\$0.00
15101 Total Other Direct Expenses	Sum(E15092:E15100)		\$0.07
15102			
15103 TELRIC	E15092+E15101		\$0.33
15104			
15105 Common			
15106 Executive Expense	D15106*E15103	0.011267	\$0.00
15107 Planning Expense	D15107*E15103	0.000525	\$0.00
15108 External Relations Expens€	D15108*E15103	0.037846	\$0.01
15109 Legal Expense	D15109*E15103	0.004717	\$0.00
15110 Other Procurement Expense	D15110*E15103	0.001860	\$0.00
15111 Research & Development Expense	D15111*E15103	0.000006	\$0.00
15112 Other General and Admin Expense	D15112*E15103	0.015064	\$0.00
15113 Common Costs	Sum(E15106:E15112)		\$0.02
15114			
15115 TELRIC + Common Costs	E15103+E15113		\$0.35

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work there	Time Minutes	Prob #1	Prob #2	Proti	Prob #4	Applied Time (Minotee)	Leber Mour	Cost
Ā	В	С	D	Ē	F	G B * (C Thru F)	H	I H * (G/60)
TIME OF DAY CONTROL FOR ARS - PER SYSTEM								
*ADD*								
-NROC 1st probability is % by switch type								
Administration - sw1	85	0.660				56.10	\$41.45	\$38.76
Maintenance - sw1	60					39.60	\$41.45	\$27.36
Administration - sw2	30		ı			10.20	\$41.45	\$7.05
Maintenance - sw2	75	0.340				25.50	\$41.45	\$17.62
Subtotal - NROC						131.40		\$90.78
Total For Service:						131.40		\$90.78

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work item A	Time Minutes B	Prob Prob #1 #2 C D	Prob Prob ES EM E F	Applied Time Lebi (Minutes) Hou G H	
				B * (C Thru F)	H * (G/60)

## TIME OF DAY CONTROL FOR ARS - PER SYSTEM (con't)

			\$90.78
15167 Direct Cost. 15168			399.10
15169	Cost	Cost	
15170	Calculation	Factor	Cost
15171	B C	<u> </u>	E
15172 Marketing & Business Fees			
15173 Product Management Expense	D15173*E15167	0.019957	\$1.81
15174 Sales Expense	D15174*E15167	0.011877	\$1.08
15175 Product Advertising Expense	D15175*E15167	0.000000	\$0.00
15176 Business Fees (Other Operating Taxes)	D15176*Sum(E15167:E15175)	0.001483	\$0.14
15177 Total Marketing & Business Fees	Sum(E15167:E15176)	3,001,100	\$3.03
15178			
15179 Sub-Total Direct Cost & Marketing	E15167+E15177		\$93.80
15180			<u> </u>
15181 Other Direct Expenses			
15182 Network Operations	D15182*E15179	0.034832	\$3.27
15183 Network Support Assets	D15183*E15179	0.014703	\$1.38
15184 General Support Assets	D15184*E15179	0.088742	\$8.32
15185 General Purpose Computers	D15185*E15179	0.043342	\$4.07
15186 Uncollectible	D15186*E15179	0.003786	\$0.36
15187 Accounting & Finance Expense	D15187*E15179	0.007346	\$0.69
15188 Human Resources Expense	D15188*E15179	0.008294	\$0.76
15189 Information Management Expense	D15189*E15179	0.070887	\$6.65
15190 Intangibles	D15190*E15179	0.000000	\$0.00
15191 Total Other Direct Expenses	Sum(E15182:E15190)		\$25.51
15192			
15193 TELRIC	E15182+E15191		\$119.31
15194			
15195 Common			
15196 Executive Expense	D15196*E15193	0.011267	\$1.34
15197 Planning Expense	D15197*E15193	0.000525	\$0.06
15198 External Relations Expense	D15198*E15193	0.037846	\$4.52
15199 Legal Expense	D15199*E15193	0.004717	\$0.56
15200 Other Procurement Expense	D15200°E15193	0.001860	\$0.22
15201 Research & Development Expense	D15201*E15193	0.000006	\$0.00
15202 Other General and Admin Expense	D15202*E15193	0.015064	\$1.80
15203 Common Costs	Sum(E15196:E15202)		\$8.51
15204			
15205 TELRIC + Common Costs	E15193+E15203		\$127.82

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work from	Time Minutes	Prob #1		rob Prob 13 #4	Appiled Time (Minutes)	Labor /Hour	Cost
A	В	С	D	E F	G B * (C Thru F)	н —	H * (G/60)
TIME OF DAY NCOS UPDATED, PER MAIN STATION							
*ADD*							
_RCMAC 1st probability is % by switch type Translations - SW1	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC		<del></del>			0.34		\$0.25
-NROC  1st probability is times per system divided by 200 lines in system 2nd probability is % by switch type Administration - SW2 Maintenance - SW2	60 60	0.005 0.005	0.340 0.340		0.10 0.10	\$41.45 \$41.45	\$0.07 \$0.07
Subtotal - NROC					0.20		\$0.14)
Total For Service:					0.54		\$0.39

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work team A	Time Minutes B	Preti #1 C	Pros #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

## TIME OF DAY NCOS UPDATED, PER MAIN STATION (con't,

15257   Direct Cost   Cost   Cost   Cost   15258   15259   15259   15250   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Cost   Edication   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Fac	15257 Direct Court			\$0.39
15299   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost				<b>80.00</b>
S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280   S280				
15281   15282   Markeling & Business Fees   15283*E15257   0.019957   \$0.01   15264 Sales Expense   015264*E15257   0.019957   \$0.01   15264 Sales Expense   015264*E15257   0.011877   \$0.00   15265 Product Advantsing Expense   015266*E15257   0.011877   \$0.00   15265 Product Advantsing Expense   015266*Sum(E15257:E15265)   0.000000   \$0.00   15266 Business Fees (Other Operating Taxes)   50.01   15267   Total Markeling & Business Fees   5um(E15257:E15266)   0.001483   50.00   15268   5ub-Total Direct Cost & Markeling & Business Fees   5um(E15257:E15266)   50.01   15270   15270   15270   15270   15272   Network Operations   015272*E15268   0.003482   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273   Network Operations   015272*E15268   0.034832   \$0.01   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15273*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00   15281*E15268   0.003786   \$0.00				0-4
15262   Marketing & Business Fees				
18283 Product Management Expense   D18283*E18257   0.019957   \$0.01     15264 Sales Expense   D15264*E15257   0.0000000   \$0.00     15266 Business Fees (Other Operating Taxes)   D15265*E15257   0.000000   \$0.00     15266 Business Fees (Other Operating Taxes)   D15265*E15256   0.001483   \$0.00     15267   Total Marketting & Business Fees   Sun(E15257:E15266)   0.001483   \$0.00     15268   Sub-Total Direct Coat & Marketting   Business Fees   Sun(E15257:E15266)   S0.01     15279   Total Direct Expenses   Sun(E15257:E15266)   S0.01     15271 Other Direct Expenses   Sun(E15257:E15266)   S0.01     15273 Network Operations   D15272*E15269   0.034832   \$0.01     15273 Network Operations   D15272*E15269   0.034832   \$0.01     15273 Network Operations   D15273*E15266   0.014703   \$0.01     15274 General Support Assets   D15274*E15269   0.083742   \$0.04     15275 General Purpose Computers   D15275*E15269   0.083742   \$0.04     15275 General Purpose Computers   D15275*E15269   0.003746   \$0.00     15278 Human Resources Expense   D15276*E15269   0.007746   \$0.00     15278 Human Resources Expense   D15276*E15269   0.000746   \$0.00     15278 Infance Expense   D15276*E15269   0.000746   \$0.00     15281   Total Other Direct Expenses   D15279*E15269   0.00000   \$0.00     15282   Tetral Other Direct Expenses   D15286*E15283   0.00000   \$0.00     15283   TELRIC   E15272*E15281   \$0.01     15285   Common   S269*E15283   0.007846   \$0.00     15286   Excentive Expense   D15286*E15283   0.007846   \$0.00     15288   External Relations Expense   D15286*E15283   0.007846   \$0.00     15289   Expense   D15286*E15283   0.007846   \$0.00     15289   Expense   D15286*E15283   0.007846   \$0.00     15280   Common   C15286*E15283   0.001860   \$0.00     15281   Expense   D15286*E15283   0.001860   \$0.00     15282   Common   C15286*E15283   0.001860   \$0.00     15283   Common   C15286*E15283   0.001860   \$0.00     15283   Common   C15286*E15283   0.001860   \$0.00     15283   Common   C15286*E15283   0.001860   \$0.00     15284   C15286*E15283   0.				
15264 Sales Expense		D1E262#E16267	0.010057	\$0.01
15265 Product Advertising Expense   D15265*E15257   0.000000   \$0.00   15268 Business Fees (Other Operating Taxes)   0.000000   \$0.00   15267   Total Marketing & Business Fees   Sum(E15257:E15266)   0.001483   \$0.00   15268				
15266 Business Fees (Other Operating Taxes)   D15266*Sum(E15257:E15265)   0.001483   50.00     15267   Total Marketing & Business Fees   Sum(E15257:E15266)     50.01     15268   Sub-Total Direct Coat & Marketing   E15257+E15267     50.40     15270   Other Direct Expenses   D15272*E15269   0.034832   \$0.01     15273   Other Direct Expenses   D15272*E15269   0.034832   \$0.01     15273   Network Operations   D15272*E15269   0.04703   \$0.01     15273   Other Direct Expenses   D15273*E15269   0.04703   \$0.01     15273   Other Direct Expenses   D15274*E15269   0.08742   \$0.04     15275   General Support Assets   D15274*E15269   0.08742   \$0.04     15275   General Purpose Computers   D15274*E15269   0.08742   \$0.04     15276   Concolledible   D15276*E15269   0.003786   \$0.00     15277   Accounting & Finance Expense   D15276*E15269   0.007346   \$0.00     15278   Information Management Expense   D15277*E15269   0.007346   \$0.00     15279   Information Management Expense   D15278*E15269   0.007387   \$0.03     15280   Intangibles   D15280*E15269   0.00000   \$0.00     15281   Total Other Direct Expenses   D15280*E15269   0.00000   \$0.01     15282   Tellic Other Direct Expenses   D15286*E15283   0.00000   \$0.01     15288   Excutive Expense   D15286*E15283   0.000525   \$0.01     15288   Excutive Expense   D15286*E15283   0.000525   \$0.00     15289   Legal Expense   D15286*E15283   0.000525   \$0.00     15289   Legal Expense   D15286*E15283   0.000625   \$0.00     15289   Capal Expense   D15286*E15283   0.001860   \$0.00     15290   Other Procurement Expense   D15286*E15283   0.001860   \$0.00     15290   Other Procurement Expense   D15286*E15283   0.001860   \$0.00     15290   Other General and Admin Expense   D15286*E15283   0.001860   \$0.00     15290   Other General and Admin Expense   D15286*E15283   0.001860   \$0.00     15290   Other General and Admin Expense   D15286*E15283   0.01564   \$0.01     15293   Common Costa   Sum(E15286:E15292)   \$0.04				
15267   Total Marketing & Business Fees				* -
15268   Sub-Total Direct Cost & Marketing   E15257-E15267   S0.40	15200 Business Fees (Orner Operating Taxes)		0.001483	
15269 Sub-Totel Direct Coet & Merketing		Sum(615257:E15266)		\$0.01
15270		CAFOET CAFOOT		
15271   Other Direct Expenses   D15272*E15269   0.034832   \$0.01   \$15272*E15269   0.034832   \$0.01   \$15273*E15269   0.014703   \$0.01   \$15273*E15269   0.014703   \$0.01   \$15274*E15269   0.044703   \$0.01   \$15274*E15269   0.086742   \$0.04   \$15275* General Support Assets   D15273*E15269   0.043342   \$0.04   \$15275* General Purpose Computers   D15275*E15269   0.043342   \$0.02   \$15275* Accounting & Finance Expense   D15275*E15269   0.003766   \$0.00   \$15274*E15269   0.003766   \$0.00   \$15274*E15269   0.003766   \$0.00   \$15274*E15269   0.007346   \$0.00   \$15274*E15269   0.0003766   \$0.00   \$15274*E15269   0.0003766   \$0.00   \$15279*E15269   0.000004   \$0.00   \$15279*E15269   0.000004   \$0.00   \$15280*Intangibles   D15279*E15269   0.000000   \$0.00   \$15280*Intangibles   D15280*E15269   0.000000   \$0.00   \$15281*Intangibles   D15280*E15269   0.000000   \$0.00   \$15281*Intangibles   D15280*E15269   0.000000   \$0.00   \$15281*Intangibles   D15280*E15283   0.000000   \$0.00   \$15281*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*Intangibles   D15280*E15283   0.001267   \$0.00   \$15280*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*Intangibles   D15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.0000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.000000   \$0.00   \$15280*E15283   0.0000000   \$0.00   \$15280*E15283   0.0000000   \$0.00   \$15280*E15283   0.0000000   \$0.00   \$15280*E15283   0.0000000   \$0.00		E1525/+E1526/		\$0.40
15272 Network Operations				
15273 Network Support Assets		045070+545000	0.004000	<b>#0.01</b>
15274 General Support Assets   D15274*E15269   0.088742   \$0.04   15275 General Purpose Computers   D15275*E15268   0.043342   \$0.02   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00756*E15269   \$0.003786   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00				
15275 General Purpose Computers   D15275*E15269   0.043342   \$0.02   \$15276 Uncollectible   D15276*E15269   0.003766   \$0.00   \$15277 Accounting & Finance Expense   D15277*E15269   0.007346   \$0.00   \$15278 Human Resources Expense   D15278*E15269   0.008294   \$0.00   \$15279 Information Management Expense   D15279*E15269   0.008294   \$0.00   \$15279 Information Management Expense   D15279*E15269   0.000000   \$0.00   \$15280 Intangibles   D15280*E15269   0.000000   \$0.00   \$15280 Intangibles   D15280*E15269   0.000000   \$0.00   \$15281 Intangibles   D15280*E15280				
15276 Uncollectible   D15276*E15269   0.003786   \$0.00   15277 Accounting & Finance Expense   D15277*E15269   0.007346   \$0.00   15278 Human Resources Expense   D15278*E15269   0.007346   \$0.00   15278 Human Resources Expense   D15279*E15269   0.008294   \$0.00   15279 Information Management Expense   D15280*E15269   0.0070887   \$0.03   15280 Intangibles   D15280*E15269   0.000000   \$0.00   15281   Total Other Direct Expenses   Sum(E15272:E15280)   \$0.11   15282				+
15277 Accounting & Finance Expense   D15277*E15269   0.007346   \$0.00     15278 Human Resources Expense   D15278*E15269   0.008294   \$0.00     15279 Information Management Expense   D15279*E15269   0.070887   \$0.03     15280 Intangibles   D15280*E15269   0.00000   \$0.00     15281   Total Other Direct Expense   Sum(E15272:E15280)   \$0.11     15282				
15278 Human Resources Expense   D15278*E15269   0.008294   \$0.00     15279 Information Management Expense   D15279*E15269   0.070887   \$0.03     15280 Intangibles   D15280*E15269   0.000000   \$0.00     15281   Total Other Direct Expenses   D15280*E15280	100			
15279 Information Management Expense   D15279*E15269   0.000000   \$0.00     15280 Intangibles   D15280*E15269   0.000000   \$0.00     15281   Total Other Direct Expenses   Sum(E15272:E15280)   \$0.11     15282				
15280   Intangibles   D15280*E15269   0.000000   \$0.00     15281   Total Other Direct Expenses   Sum(E15272:E15280)   \$0.11     15282				
15281   Total Other Direct Expenses   Sum(E15272:E15280)   \$0.11     15282				
15282			0.000000	
15283 TELRIC   E15272+E15281   \$0.51     15284		Sum(E15272:E15280)		\$0.11
15284         15285 Common         15286 Executive Expense       D15286*E15283       0.011267       \$0.01         15287 Planning Expense       D15287*E15283       0.000525       \$0.00         15288 External Relations Expense       D15288*E15283       0.037846       \$0.02         15289 Legal Expense       D15289*E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290*E15283       0.001860       \$0.00         15291 Research & Development Expense       D15291*E15283       0.000006       \$0.00         15292 Other General and Admin Expense       D15292*E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15286:E15292)       \$0.04         15294				
15285 Common         15286 Executive Expense       D15286*E15283       0.011267       \$0.01         15287 Planning Expense       D15287*E15283       0.000525       \$0.00         15288 External Relations Expense       D15288*E15283       0.037846       \$0.02         15299 Legal Expense       D15289*E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290*E15283       0.001860       \$0.00         15291 Research & Development Expense       D15291*E15283       0.000006       \$0.00         15292 Other General and Admin Expense       D15292*E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15288:E15292)       \$0.04		E15272+E15281		\$0.51
15286 Executive Expense       D15286*E15283       0.011267       \$0.01         15287 Planning Expense       D15287*E15283       0.000525       \$0.00         15288 External Relations Expense       D15288*E15283       0.037846       \$0.02         15299 Legal Expense       D15289*E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290*E15283       0.001860       \$0.00         15291 Research & Development Expense       D15291*E15283       0.00006       \$0.00         15292 Other General and Admin Expense       D15292*E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15288:E15292)       \$0.04         15294	· <del></del> ·			
15287 Planning Expense       D15287*E15283       0.000525       \$0.00         15288 External Relations Expense       D15288*E15283       0.037846       \$0.02         15289 Legal Expense       D15289*E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290*E15283       0.001860       \$0.00         15291 Research & Development Expense       D15290*E15283       0.00006       \$0.00         15292 Other General and Admin Expense       D15292*E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15286:E15292)       \$0.04				
15288 External Relations Expense       D15288*E15283       0.037846       \$0.02         15289 Legal Expense       D15289*E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290*E15283       0.001860       \$0.00         15291 Research & Development Expense       D15291*E15283       0.000006       \$0.00         15292 Other General and Admin Expense       D15292*E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15286:E15292)       \$0.04	15286 Executive Expense	D15286*E15283	0.011267	\$0.01
15289 Legal Expense       D15289°E15283       0.004717       \$0.00         15290 Other Procurement Expense       D15290°E15283       0.001860       \$0.00         15291 Research & Development Expense       D15291°E15283       0.000006       \$0.00         15292 Other General and Admin Expense       D15292°E15283       0.015064       \$0.01         15293 Common Costs       Sum(E15288:E15292)       \$0.04         15294       15294°E15283       \$0.04	15287 Planning Expens∈	D15287*E15283	0.000525	\$0.00
15290 Other Procurement Expense         D15290*E15283         0.001860         \$0.00           15291 Research & Development Expense         D15291*E15283         0.000006         \$0.00           15292 Other General and Admin Expense         D15292*E15283         0.015064         \$0.01           15293 Common Costs         Sum(E15288:E15292)         \$0.04           15294         Sum(E15286:E15292)         \$0.04	15288 External Relations Expens∈	D15288°E15283	0.037846	\$0.02
15291 Research & Development Expense         D15291*E15283         0.000006         \$0.00           15292 Other General and Admin Expense         D15292*E15283         0.015064         \$0.01           15293 Common Costs         Sum(E15288:E15292)         \$0.04           15294         Sum(E15288:E15292)         \$0.04	15289 Legal Expense	D15289*E15283	0.004717	\$0.00
15292 Other General and Admin Expense         D15292*E15283         0.015064         \$0.01           15293 Common Costs         Sum(E15286:E15292)         \$0.04           15294	15290 Other Procurement Expense	D15290*E15283	0.001860	\$0.00
15293 Common Costs Sum(E15288:E15292) \$0.04 15294	15291 Research & Development Expense	D15291*E15283	0.000006	\$0.00
15294	15292 Other General and Admin Expense	D15292*E15283	0.015064	\$0.01
	15293 Common Costs	Sum(E15286:E15292)		\$0.04
15295 TELRIC + Common Costs E15283+E15293 \$0.55	15294			
	15295 TELRIC + Common Costs	E15283+E15293	· · · · · · · · · · · · · · · · · · ·	\$0.55

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

Total For Service;

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\$0.37

0.52

Work him	Time Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Minutes)	Labor /Hour	Cost
A	В	С	D E	F G B*(C Thru F	H )	I H * (G/60)
IME OF DAY ROUTING, per line						
ADD*						
RCMAC  1st proability is % by switch type  Translations - SW2	1	0.340		0.	3 <b>4 \$43</b> .81	\$0.2
ubtotal - RCMAC				0.3	4	\$0.2
NROC  1st probability is times per system divided by 200 lines in system 2nd probability is % by switch type Administration - sw2 Maintenance - sw2	30 75	0.005 0.005	0.340 0.340	0.i 0.		\$0.0 \$0.0
Subtotal - NROC	<del></del>		<del></del>			\$0.1

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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enga superindung negari sagar sagar sagar sagar sagar sagar sagar sagar sagar sagar sagar sagar sagar sagar s	Cork Trem	Time Prob Minutes #1 B C	Prob         Prob         Prob           #2         #3         #4           D         E         F	Applied Time Labor (Minutes) Afour G H	Cost
				B * (C Thru F)	H * (G/60)

### TIME OF DAY ROUTING, per line (con't)

15347 Direct Cost			\$0.37
15348			<b>50.</b> 37
15349	Cost	Cost	
15350	Calculation	Factor	Cost
15351	B C	D	E
15352 Marketing & Businesa Fees			
15352 Marketing & Businesa Fees 15353 Product Management Expense	D15353*E15347	0.010057	<b>#0.01</b>
	D15354*E15347	0.019957	\$0.01
15354 Sales Expense		0.011877	\$0.00
15355 Product Advertising Expense	D15355*E15347	0.000000	\$0.00
15356 Business Fees (Other Operating Taxes)	D15356*Sum(E15347:E15355)	0.001483	\$0.00
15357 Total Marketing & Business Fees	Sum(E15347:E15356)		\$0.01
15358			
15359 Sub-Total Direct Cost & Marketing	E15347+E15357		\$0.38
15360			
15361 Other Direct Expenses	B4866.W4-666		
15362 Network Operations	D15362*E15359	0.034832	\$0.01
15363 Network Support Assets	D15363*E15359	0.014703	\$0.01
15364 General Support Assets	D15364*E15359	0.088742	\$0.03
15365 General Purpose Computers	D15365*E15359	0.043342	\$0.02
15366 Uncollectible	D15366*E15359	0.003786	\$0.00
15367 Accounting & Finance Expense	D15367*E15359	0.007346	\$0.00
15368 Human Resources Expense	D15368*E15359	0.008294	\$0.00
15369 Information Management Expense	D15369*E15359	0.070887	\$0.03
15370 Intangibles	D15370*E15359	0.000000	\$0.00
15371 Total Other Direct Expenses	Sum(E15362:E15370)		\$0.10
15372			
15373 <b>TELRIC</b>	E15362+E15371		\$0.49
15374			
15375 Common			
15376 Executive Expense	D15376*E15373	0.011267	\$0.01
15377 Planning Expense	D15377*E15373	0.000525	\$0.00
15378 External Relations Expense	D15378*E15373	0.037846	\$0.02
15379 Legal Expense	D15379*E15373	0.004717	\$0.00
15380 Other Procurement Expense	D15380*E15373	0.001860	\$0.00
15381 Research & Development Expense	D15381*E15373	0.000006	\$0.00
15382 Other General and Admin Expense	D15382*E15373	0.015064	\$0.01
15383 Common Costs	Sum(E15376:E15382)		\$0.03
15384			
15385 TELRIC + Common Costs	E15373+E15383		\$0.52

Study Name: NONRECURRING ELEMENTS

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Work Rem	Time Minutes	Prob #1	Prob #2		ob Applied Time Id (Minutes)	Lebor Mour	Cost
A	. В	С	D	E	F G B * (C Thru F)	Н	T H * (G/60)
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED							
*ADD*							
-RCMAC  1st probability is % by switch type  Translations - SW2	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC					0.34		\$0.25
-NROC  1st probability is times per system divided by 200 lines in system 2nd probability is % by switch type Administration - sw2 Maintenance - sw2	†5 15	0.005 0.005	0.340 0.340		0.03 0.03	\$41.45 \$41.45	\$0.02 \$0.02
Subtotal - NROC			0.540		0.05		\$0.04
Total For Service:					0.39		\$0.28

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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<b>Workflam</b> A	Time Minutes B	Prob Prob #1 #2 C D	Prob Pro #S #4 E F		Labor Mour Cost
				B * (C Thru F)	H * (G/60)

## TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED (con't,

			\$0,28
15438	CONTROL OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	KOROTO . Y VAN HANNONSKO OKT	Locusion or or or or or or or or or or or or or
15439	Cost Calculation	Cost	
15440		Factor D	Cost
15441	BC		E
15442 Marketing & Business Fees	D45460454545	• • • • • • • • • • • • • • • • • • • •	***
15443 Product Management Expense	D15443*E15437	0.019957	\$0.01
15444 Sales Expense	D15444*E15437	0.011877	\$0.00
15445 Product Advertising Expense	D15445°E15437	0.000000	\$0.00
15446 Business Fees (Other Operating Taxes)	D15446*Sum(E15437:E15445)	0.001483	\$0.00
15447 Total Marketing & Business Fees	Sum(E15437:E15446)		\$0.01
15448			
15449 Sub-Total Direct Cost & Marketing	E15437+E15447		\$0.29
15450			
15451 Other Direct Expenses			
15452 Network Operations	D15452*E15449	0.034832	\$0.01
15453 Network Support Assets	D15453°E15449	0.014703	\$0.00
15454 General Support Assets	D15454*E15449	0.088742	\$0.03
15455 General Purpose Computers	D15455*E15449	0.043342	\$0.01
15456 Uncollectible	D15456*E15449	0.003786	\$0.00
15457 Accounting & Finance Expense	D15457*E15449	0.007346	\$0.00
15458 Human Resources Expense	D15458*E15448	0.008294	\$0.00
15459 Information Management Expense	D15459*E15449	0.070887	\$0.02
15460 Intangibles	D15460°E15449	0.000000	\$0.00
15461 Total Other Direct Expenses	Sum(E15452:E15460)		\$0.08
15462			
15463 TELRIC	E15452+E15461		\$0.37
15464			
15465 Common			
15466 Executive Expense	D15466*E15463	0.011267	\$0.00
15467 Planning Expense	D15467*E15463	0.000525	\$0.00
15468 External Relations Expens∈	D15468*E15463	0.037846	\$0.01
15469 Legal Expense	D15469*E15463	0.004717	\$0.00
15470 Other Procurement Expense	D15470*E15463	0.001860	\$0.00
15471 Research & Development Expense	D15471*E15463	0.000006	\$0.00
15472 Other General and Admin Expense	D15472*E15463	0.015064	\$0.01
15473 Common Costs	Sum(E15466:E15472)		\$0.03
15474			
15475 TELRIC + Common Costs	E15463+E15473		\$0.40

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A	В		D E	F	G	Н	
					B * (C Thru F)		H * (G/60)
					,		
UCD - IN HUNT GROUP, Incl. Queuing, Music on Queue, & Delay Announcement, per line							
des - Ne vicini, allour, moi, addung, made on addus, a solar varioum or mo							

\*ADD\*

-RCMAC

1st probability is % by switch type
Translations - SW1

Translations - Svv

0.660

1

0.66 \$43.81

\$0.48

 Subtotal - RCMAC
 0.66
 \$0.48

 Total For Service:
 0.66
 \$0.48

Study Name: NONRECURRING ELEMENTS

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Work item A	Prob Prob #1 #2 C D	Prob Prob #3 #4 E F	Applied Time (Minutes) G	Labor Mour Cost H I
			B * (C Thru F)	H * (G/60)

## UCD - IN HUNT GROUP, Incl. Queuing, Music on Queue, & Delay Announcement, per line (con't)

15527 Direct Cost		\$0.48
15528		
15529	_ CostCost	2
15530	Calculation Factor	Cost
15531	<u> </u>	E
15532 Marketing & Business Fees		
15533 Product Management Expense	<b>D15533°E15527</b> 0.0199	
15534 Sales Expense	<b>D15534*E15527</b> 0.0118	
15535 Product Advertising Expense	D15535*E15527 0.0000	•••
15536 Business Fees (Other Operating Taxes)	D15536*Sum(E15527:E15535) 0.0014	
15537 Total Marketing & Business Fees	Sum(E15527:E15536)	\$0.02
15538		
15539 Sub-Total Direct Cost & Marketing	E15527+E15537	\$0.50
15540		<del>_</del> "
15541 Other Direct Expenses		
15542 Network Operations	D15542*E15539 0.0348	
15543 Network Support Assets	D15543*E15539 0.0147	
15544 General Support Assets	D15544*E15539 0.0887	42 \$0.04
15545 General Purpose Computers	D15545*E15539 0.0433	42 \$0.02
15546 Uncollectible	D15546*E15539 0.0037	86 \$0.00
15547 Accounting & Finance Expense	<b>D15547*E15539</b> 0.0073	46 \$0.00
15548 Human Resources Expense	D15548*E15539 0.0082	94 \$0.00
15549 Information Management Expense	D15549*E15539 0.0708	87 \$0.04
15550 Intangibles	D15550*E15539 0.0000	00 \$0.00
15551 Total Other Direct Expenses	Sum(E15542:E15550)	\$0.14
15552		
15553 TELRIC	E15542+E15551	\$0.63
15554		
15555 Common	B. (	
15556 Executive Expense	D15556*E15553 0.0112	
15557 Planning Expens∈	D15557*E15553 0.0005	
15558 External Relations Expense	D15558*E15553 0.0378	•
15559 Legal Expense	D15559°E15553 0.0047	
15560 Other Procurement Expense	D15560°E15553 0.0018	
15561 Research & Development Expense	D15561*E15553 0.0000	
15562 Other General and Admin Expense	D15562*E15553 0.0150	
15563 Common Costs	Sum(E15556:E15562)	\$0.05
15564		
15565 TELRIC + Common Costa	E15553+E15563	\$0.68

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45.00

\$31.09

Time Prob Prob Applied Time Prob Prob Labor Work Hem Mour Cost B\*(C Thru F) H\*(G/60) SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION \*ADD\* -BUS/GOV SERVICE CENTER Additional time required to establish SMDR-P per centrex System Interface with customer, gather required information, negotiate due dates Prob #1 = Probability of occurrence Negotiate feature establishment 30 1.000 30.00 \$39.16 \$19.58 Issue form RG41-0057 to complex translations to provision service and to BGS carrier service delivery system to validate numbers and build SMDR tables Prob #1 = Probability of occurrence Comp & issue Form RG41-0057 30 1.000 \$39.16 30.00 \$19.58 Additional service order time to establish billing Prob #1 = Probability of occurrence 5 1.000 Issue service order 5.00 \$39.16 \$3.26 Subtotal - BUS/GOV SERVICE CENTER 65.00 \$42.42 -UNIQUE PRODUCT & SERVICE GROUP Carrier service delivery system - Customer Communications Tech Time required to build SMDR table from Form RG41-0057 Prob #1 = Probability of occurrence **Build Table** 240 1.000 240.00 \$37.78 \$151.12 Subtotal - UNIQUE PRODUCT & SERVICE GROUP 240.00 \$151.12 -COMPLEX TRANSLATIONS - NROC - ADMINISTRATION Prob #1 = Probability of occurrence Administrative 15 1.000 15.00 \$41.45 \$10.36 Subtotal - COMPLEX TRANSLATIONS - NROC - ADMINISTRATION 15.00 \$10.36 -COMPLEX TRANSLATIONS - NROC - MAINTENANCE Prob #1 = Probability of occurrence 45 Maintenance 1.000 45.00 \$41.45 \$31.09

-SERVICE ORDER ENTRY CENTER

Additional order entry time

Subtotal - COMPLEX TRANSLATIONS - NROC - MAINTENANCE

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	Time	Prob	Prob	Prob Prob	Applied Time	Labor	
<b>Work</b> flem	Minutes	#1	#2	<u> 13 14 </u>	(Minutes)	Hour	Cost
A	В	C	D	E F	B * (C Thru F)	Н	H * (G/60)
MDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION (con't,							
Prob #1 = % of time additional order entry time is required  Prob #2 = % of time manual order entry is required	5	1.000	1.000		5.00	\$39,16	\$3.2
Cent Sys Feature per feature	3	1.000	1.000		5.00	φυσ.10	<b>\$</b> 0.2
ubtotal - SERVICE ORDER ENTRY CENTER					5.00		\$3.2
DISCONNECT*  BGS/GOV CENTER  Additional service order time to change billing  Prob #1 = Probability of occurrence							
Issue Disconnect service order	5	1.000			5.00	\$39.16	\$3.2
ubtotal - BGS/GOV CENTER					5.00		\$3.2
SERVICE ORDER ENTRY CENTER  Additional order entry time  Prob #1 = % of time additional order entry time is required							
Prob #2 = % of time manual order entry is required Disc Cent Sys Feature per feature	5	1.000			5.00	\$39.16	\$3.2
ubtotal - SERVICE ORDER ENTRY CENTER			<del></del>		5.00		\$3.2
				~			

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State: South Dakota

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Work Item	Time Minutes	Prob #1	Prob #2	Prob Prob		Labor Mour Cost
A	В	С	D	E F	G	H
					B * (C Thru F)	H * (G/60)

## SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION (con't,

15662 Direct Cout		\$244.78
15663		
15664	Cost	
15665	Calculation Factor	
15666	B C B	
15667 Marketing & Business Fees		
15668 Product Management Expens∈	D15668*E15662 0.0°	9957 \$4.89
15669 Sales Expense		1877 \$2.91
15670 Product Advertising Expense		00000 \$0.00
15671 Business Fees (Other Operating Taxes)	=	1483 \$0.37
15672 Total Marketing & Business Fees	Sum(E15662:E15671)	\$8.17
15673		
15674 Sub-Total Direct Cost & Marketing	E15662+E15672	\$252.95
15675		<del></del>
15676 Other Direct Expenses		
15677 Network Operations	D15677*E15674 0.00	4832 \$8.81
15678 Network Support Assets	D15678*E15674 0.01	4703 \$3.72
15679 General Support Assets	D15679*E15674 0.08	8742 \$22.45
15680 General Purpose Computers	D15680*E15674 0.04	3342 \$10.96
15681 Uncollectible	D15681*E15674 0.00	3786 \$0.96
15682 Accounting & Finance Expens∈	D15682*E15674 0.00	7346 \$1.86
15683 Human Resources Expense	D15683*E15674 0.00	8294 \$2.10
15684 Information Management Expense	<b>D15684*E15674</b> 0.07	0887 \$17.93
15685 Intangibles	D15685*E15674 0.00	0000 \$0.00
15686 Total Other Direct Expenses	Sum(E15677:E15685)	\$68.79
15687		
15688 TELRIC	E15677+E15686	\$321.74
15689		
15690 Common		
15691 Executive Expense	. =	1267 \$3.63
15692 Planning Expense		0525 \$0.17
15693 External Relations Expense		7846 \$12.18
15694 Legal Expense		4717 \$1.52
15695 Other Procurement Expense		1860 \$0.60
15696 Research & Development Expense		0006 \$0.00
15697 Other General and Admin Expense		5064 \$4.85
15698 Common Costs	Sum(E15691:E15697)	\$22.94
15699		
15700 TELRIC + Common Costs	E15688+E15698	\$344.67

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Work Item	Time Minutes	Prob #1	Prot	**************************************	rob Applied Time 54 (Minutes)	Labor Mour	Cost
A	В	С	D	E	F G B*(CThruF)	Н	I H * (G/60)
SMDR-P - ARCHIVED DATA							
*ADD*							
-CCT - COMM CUST TECH  Rep takes the request and prepares paperwork  Prob #1 = Probability of occurrence  SMDR-P paperwork per request	45	1.000			45.00	\$43.81	\$32.86
MANAGER Grade 4 manager coordinates work flow & delivery Prob #1 = Probability of occurrence SMDR work flow	60	1.000			60.00	\$56.97	\$56.97
CSA - Computer Systems Administrator  Prob #1 = Probability of occurrence  Tape Transfers	60	1.000			60.00	\$38.08	\$38.08
Subtotal - CCT - COMM CUST TECH		·			165.00		\$127.91
Total For Service:					165.00		\$127.91

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Work Rem	Time Minutes		Prob Prob Prob #2 #3 #4	Applied Time Lebor (Minutes) Mout	
Ā	В	C	D E F	G H B*(C Thru F)	T H * (G/60)

## SMDR-P - ARCHIVED DATA (con't)

			Service de la company
15752 Direct Cost			\$1,27,91
15753	**************************************	Mary Mary Mary Mary Mary Mary Mary Mary	
15754	Cost	Cost	
15755		Factor	Cost
15756	<u> </u>	Ð	E
15757 Marketing & Business Fees			
15758 Product Management Expens∈	D15758*E15752	0.019957	\$2.55
15759 Sales Expense	D15759*E15752	0.011877	\$1.52
15760 Product Advertising Expense	D15760*E15752	0.000000	\$0.00
15761 Business Fees (Other Operating Taxes)	D15761*Sum(E15752:E15760)	0.001483	\$0.20
15762 Total Merketing & Business Fees	Sum(E15752:E15761)		\$4.27
15763			
15764 Sub-Total Direct Cost & Marketing	E15752+E15762		\$132.18
15765			
15766 Other Direct Expenses			
15767 Network Operations	D15767*E15764	0.034832	\$4.60
15768 Network Support Assets	D15768*E15764	0.014703	\$1.94
15769 General Support Assets	D15769*E15764	0.088742	\$11.73
15770 General Purpose Computers	D15770*E15764	0.043342	\$5.73
15771 Uncollectible	D15771*E15764	0.003786	\$0.50
15772 Accounting & Finance Expens€	D15772*E15764	0.007346	\$0.97
15773 Human Resources Expense	D15773*E15764	0.008294	\$1.10
15774 Information Management Expense	D15774*E15764	0.070887	\$9.37
15775 Intangibles	D15775°E15764	0.000000	\$0.00
15776 Total Other Direct Expenses	Sum(E15767:E15775)		\$35.94
15777			
15778 TELRIC	E15767+E15776		\$168.12
15779			
15780 Common			
15781 Executive Expense	D15781*E15778	0.011267	\$1.89
15782 Planning Expense	D15782*E15778	0.000525	\$0.09
15783 External Relations Expense	D15783*E15778	0.037846	\$6.36
15784 Legal Expense	D15784*E15778	0.004717	\$0.79
15785 Other Procurement Expense	D15785*E15778	0.001860	\$0.31
15786 Research & Development Expense	D15786*E15778	0.000006	\$0.00
15787 Other General and Admin Expense	D15787*E15778	0.015064	\$2.53
15788 Common Costs	Sum(E15781:E15787)		\$11.98
15789			
15790 TELRIC + Common Costs	E15778+E15788		\$180.10

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Total For Service:

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\$700.96

960.00

Work Beat	Time Minutes	Prot #1	Prot #2	600018.H. HERRING ON CO.	rab Applied Time #4 (Minutos)	Lebor Mour	Cost
Ā	В	С	D	E	F G B*(C Thru F)	н	Ī
					B (CIMUF)		H * (G/60)
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION							
<u>*ADD*</u>							
-CUSTOMER COMMUNICATIONS TECHNICIAN							
1st column ≕ time 2nd column = occurrence							
Initial training	240	1.000			240.00	\$43.81	\$175.24
Follow up training - Clarify & cover features	120	1.000			120.00	\$43.81	\$87.62
Cover enhance to software package	120	1.000			120.00	\$43.81	\$87.62
Loading CCRS database - Initial system	480	1.000			480.00	\$43.81	\$350.48
Subtotal - CUSTOMER COMMUNICATIONS TECHNICIAN					960.00		\$700.96

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State: South Dakota

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						B * (C Thru F)		H * (G/60)

## CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION (con't,

150/07			
15842 <b>Direct Cost</b> 15843			\$700.98
15844	Cost	Cost	
15845	Calculation	Fector	Cost
15846	B C	D	e e
15847 Marketing & Business Fees		•	=
15848 Product Management Expense	D15848*E15842	0.019957	\$13.99
15849 Sales Expense	D15849*E15842	0.019957	\$8.33
15850 Product Advertising Expense	D15850*E15842	0.000000	\$0.00
15851 Business Fees (Other Operating Taxes)	D15850*E15842:E15850)		
15852 Total Marketing & Business Fees	Sum(E15842:E15851)	0.001483	\$1.07 \$23.39
15853	Suni(E13042:E13031)		\$23.39
15854 Sub-Total Direct Cost & Marketing	E15842+E15852	<del></del> -	\$724.35
15855	E13042+E13032	<del></del>	\$724.33
15856 Other Direct Expenses			
15857 Network Operations	D15857*E15854	0.034832	\$25.23
15858 Network Support Assets	D15858*E15854	0.034632	\$10.65
15859 General Support Assets	D15859*E15854	0.088742	\$64.28
15860 General Purpose Computers	D15860*E15854	0.043342	\$31.39
15861 Uncollectible	D15861*E15854	0.043342	\$2.74
15862 Accounting & Finance Expense	D15862*E15854	0.003786	
15863 Human Resources Expense	D15863*E15854		\$5.32
	D15864*E15854	0.008294 0.070887	\$6.01
15864 Information Management Expense			\$51.35
15865 Intangibles 15866 Total Other Direct Expenses	D15865*E15854	0.000000	\$0.00
15867	Sum(E15857:E15865)		\$196.97
15868 TELRIC	E15857+E15866		\$921.32
15869	2100017210000		\$32 r.OZ
15870 Common			
15871 Executive Expense	D15871*E15868	0.011267	\$10.38
15872 Planning Expense	D15872*E15868	0.000525	\$0.48
15873 External Relations Expense	D15873*E15868	0.037846	\$34.87
15874 Legal Expense	D15874*E15868	0.004717	\$4.35
15875 Other Procurement Expense	D15875*E15868	0.001860	\$1.71
15876 Research & Development Expense	D15876*E15868	0.000006	\$0.01
15877 Other General and Admin Expense	D15877*E15868	0.015064	\$13.88
15878 Common Costs	Sum(E15871;E15877)	0.010004	\$65.68
15879			
15880 TELRIC + Common Costs	E15868+E15878		\$987.00
1000 TELITO T COMMON COSTS	#100004E1001d	·	450/.VU

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work item	Tion Minus		reb 62	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mout	Cost
A	В	C	ט	E	F	G	н	1
,						B * (C Thru F)		H * (G/60)

CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION

\*ADD\*

-CUSTOMER COMMUNICATIONS TECH

1st column = time for system establishment 2nd column = occurrence

Loading CCRS database

Subtotal - CUSTOMER COMMUNICATIONS TECH

480 1.000

\$43.81

480.00

480.00 \$350.48

\$350.48

Total For Service: 480.00 \$350.48

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them A	Fime Prob linutes #1 B C	Prob Prob Pro #2 #3 #4 D E F		
			B * (C Thru F)	H * (G/60)

## CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION (con't,

15932 Ofrect Cost			\$350.48
15933			
15934	Cost	Cost	
15935	Calculation	Factor	Cost
15936	E C	7	E
15937 Marketing & Business Fees			
15938 Product Management Expense	D15938*E15932	0.019957	\$6.99
15939 Sales Expense	D15939*E15932	0.011877	\$4.16
15940 Product Advertising Expense	D15940*E15932	0.000000	\$0.00
15941 Business Fees (Other Operating Taxes)	D15941*Sum(E15932:E15940)	0.001483	\$0.54
15942 Total Marketing & Business Fees	Sum(E15932:E15941)	0.001-100	\$11.69
15943			<b>V</b> (1.00
15944 Sub-Total Direct Cost & Marketing	E15932+E15942		\$362.17
15945			
15946 Other Direct Expenses			
15947 Network Operations	D15947*E15944	0.034832	\$12.62
15948 Network Support Assets	D15948*E15944	0.014703	\$5.33
15949 General Support Assets	D15949*E15944	0.088742	\$32.14
15950 General Purpose Computers	D15950*E15944	0.043342	\$15.70
15951 Uncollectible	D15951*E15944	0.003786	\$1.37
15952 Accounting & Finance Expens∈	D15952*E15944	0.007346	\$2.66
15953 Human Resources Expense	D15953*E15944	0.008294	\$3.00
15954 Information Management Expense	D15954*E15944	0.070887	\$25.67
15955 Intangibles	D15955*E15944	0.000000	\$0.00
15956 Total Other Direct Expenses	Sum(E15947:E15955)		\$98.49
15957			
15958 TELRIC	E15947+E15956		\$460.66
15959	·		
15960 Common			
15961 Executive Expense	D15961*E15958	0.011267	\$5.19
15962 Planning Expense	D15962*E15958	0.000525	\$0.24
15963 External Relations Expense	D15963*E15958	0.037846	\$17.43
15964 Legal Expense	D15964*E15958	0.004717	\$2.17
15965 Other Procurement Expense	D15965*E15958	0.001860	\$0.86
15966 Research & Development Expense	D15966*E15958	0.000006	\$0.00
15967 Other General and Admin Expense	D15967*E15958	0.015064	\$6.94
15968 Common Costs	Sum(E15961:E15967)		\$32.84
15969			
15970 TELRIC + Common Costs	E15958+E15968		\$493.50

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work tham A	Time Minutes B	Prob #1 C	<b>Prob Prob</b> #2 #3 D E	Prob Applied Time M (Minutes) F G	Lebor Hour Cost
				B * (C Thru F)	H * (G/60)

CMS - PACKET CONTROL CAPABILITY, PER SYSTEM

\*ADD\*

-CUSTOMER COMMUNICATIONS TECH

1st column = time for system establishment

2nd column = occurrence

System installation

480 1.000 480.00 \$43.81 \$350.48

Subtotal - CUSTOMER COMMUNICATIONS TECH 480.00 \$350.48 480.00 \$350.48 Total For Service:

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work item	Timė Minutes	Prob #1	Prob #2	Prob Prob		Labor Mour Cost
A	В	С	D	E F	G	H I
					B * (C Thru F)	H * (G/60)

## CMS - PACKET CONTROL CAPABILITY, PER SYSTEM (con't)

16027   Marketing & Business Fees   16028   Product Management Expense   D16028   16029   Sales Expense   D16029   16030   Product Advertising Expense   D16030*   16031   Business Fees (Other Operating Taxes)   D16031*   16032   Total Marketing & Business Fees   Sum(E1 16032   Total Marketing & Business Fees   Sum(E1 16035   Sub-Total Direct Cost & Marketing   E16022*   16035   Sub-Total Direct Cost & Marketing   E16022*   16035   Sub-Total Direct Expenses   D16037*   16038   Network Operations   D16037*   16038   Network Support Assets   D16039*   16039   General Support Assets   D16039*   16039   General Support Assets   D16039*   16040*   16041   Uncollectible   D16040*   16041   Uncollectible   D16040*   16041   16042   Accounting & Finance Expense   D16040*   16044   Information Management Expense   D16043*   16044   16045   Intangibles   D16043*   16044   16045   Intangibles   D16045*   16046*   16046*   16046*   16047*   16048*   TELRIC   E16037*   16049*   16050*   Common   16051   Executive Expense   D16051*   16052*   16052*   16055*   External Relations Expense   D16052*   16055*   16055*   16055*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*   16056*		\$350.48
16024   16025   16026   16026   16027   16026   16027   16027   16028   16027   16028   16027   16028   16028   16029   16030   16029   16030   16030   16030   16030   16031   16030   16031   16032   16031   16032   16031   16032   16033   16033   16034   16032   16033   16033   16033   16034   16032   16035   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   1603		4,00.70
16025   16028   16028   16028   16028   16028   16028   16028   16028   16028   16028   16028   16028   16028   16029   16038   16039   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   16030   1603	ost Ca	el .
16028   16027   Marketing & Buainess Fees   16028   Product Management Expense   16029   16039   Product Management Expense   16029   16030   Product Advertising Expense   16030   16031   16031   16032   16031   16032   16031   16032   16032   16033   16032   16033   16033   16034   16035   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036   16036		50000000000000000000000000000000000000
16028 Product Management Expense   D16028     16029 Sales Expense   D16029     16030 Product Advertising Expense   D16030     16031 Business Fees (Other Operating Taxes)   D16031     16032 Total Marketing & Business Fees   Sum(E1     16033     16034 Sub-Total Direct Cost & Marketing   E16022     16035   E16023   E16037     16036 Other Direct Expenses   D16037     16038 Network Support Assets   D16038     16039 General Support Assets   D16038     16039 General Support Assets   D16038     16040 General Purpose Computers   D16040     16041 Uncollectible   D16041     16042 Accounting & Finance Expense   D16042     16043 Human Resources Expense   D16042     16044 Human Resources Expense   D16044     16045 Intangibles   D16046     16046 Total Other Direct Expenses   D16046     16047     16048 TELRIC   E16037     16049     16050 Common     16051 Executive Expense   D16051     16052 Planning Expense   D16053     16055 Other Procurement Expense   D16054     16055 Other Procurement Expense   D16055     16055 Other Procurement Expense   D16055     16055 Other Procurement Expense   D16055     16056 Research & Development Expense   D16055     16057 Other General and Admin Expense   D16057     16058   Common Costs   Sum(E1     16058   Common Costs   Sum(E1     16058   Common Costs   Sum(E1     16058   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs	B C D	
16028 Product Management Expense       D16028*         16029 Sales Expense       D16030*         16031 Business Fees (Other Operating Taxes)       D16031*         16032 Total Marketing & Business Fees       Sum(E1         16033       Sum (E1         16034 Sub-Total Direct Cost & Marketing       E16022*         16035       E16022*         16036 Other Direct Expenses       D16037*         16037 Network Operations       D16037*         16038 Network Support Assets       D16038*         16039 General Support Assets       D16038*         16040 General Purpose Computers       D16040*         16041 Uncollectible       D16040*         16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16042*         16044 Information Management Expense       D16044*         16045 Intangibles       D16044*         16046 Total Other Direct Expenses       Sum(E1         16049       Sum(E1         16040       E16037*         16040       E16037*         16050 Common       E16057*         16052 Planning Expense       D16051*         16053 External Relations Expense       D16052*         16055 Other Procurement Expense       D16054* <td></td> <td></td>		
16029 Sales Expense	28*E16022 0.0	019957 \$6.99
16031   Business Fees (Other Operating Taxes)   D16031*   16032   Total Marketing & Business Fees   Sum(E1		011877 \$4.16
16032   Total Marketing & Business Fees   Sum(E1	0°E16022 0.0	000000 \$0.00
16032   Total Marketing & Business Fees   Sum(E1	11*Sum(E16022:E16030) 0.0	001483 \$0.54
16034 Sub-Total Direct Cost & Marketing	E16022;E16031)	\$11.69
16035       16036 Other Direct Expenses         16037 Network Operations       D16037*         16038 Network Support Assets       D16038*         16039 General Support Assets       D16039*         16040 General Purpose Computers       D16040*         16041 Uncollectible       D16041*         16042 Accounting & Finance Expense       D16043*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E10047*)         16047       E16037*         16049       E16037*         16050 Common       E16037*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16055 Other Procurement Expense       D16054*         16056 Research & Development Expense       D16056*         16058 Common Costs       Sum(E1057*)		
16036 Other Direct Expenses       D16037*         16037 Network Operations       D16038*         16038 Network Support Assets       D16038*         16039 General Support Assets       D16039*         16040 General Purpose Computers       D16040*         16041 Uncollectible       D16041*         16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16042*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1**)         16047       E16037*         16049       E16037*         16050 Common       E16037*         16052 Planning Expense       D16052*         16052 External Relations Expense       D16052*         16053 External Relations Expense       D16052*         16055 Other Procurement Expense       D16052*         16056 Research & Development Expense       D16055*         16057 Other General and Admin Expense       D16055*         16058 Common Costs       Sum(E1**)	2+E16032	\$362.17
16037 Network Operations       D16037         16038 Network Support Assets       D16038         16039 General Support Assets       D16039         16040 General Purpose Computers       D16040         16041 Uncollectible       D16041*         16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1         16047       Sum(E1         16048 TELRIC       E160374         16050 Common       E16050 Common         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16054*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16055*         16058 Common Costs       Sum(E16		
16038 Network Support Assets       D16038*         16039 General Support Assets       D16039*         16040 General Purpose Computers       D16040*         16041 Uncollectible       D16041*         16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1)         16047       E16037*         16048 TELRIC       E16037*         16049       E16050 Common         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16056*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E1)		
16039 General Support Assets       D16039*         16040 General Purpose Computers       D16040*         16041 Uncollectible       D16042*         16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1)*         16047 TelAIC       E16037*         16048 TELRIC       E16037*         16049 16050 Common       D16051*         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16055 Other Procurement Expense       D16054*         16056 Research & Development Expense       D16056*         16058 Common Costs       Sum(E1)*	7*E16034 0.0	034832 \$12.62
16040 General Purpose Computers       D16040*         16041 Uncollectible       D16041*         16042 Accounting & Finance Expense       D16043*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1**)         16047       E16037*         16048       TELRIC       E16037*         16050 Common       D16050*         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16055 Other Procurement Expense       D16054*         16055 Other Procurement Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E1**)	<b>18*E16034</b> 0.0	014703 \$5.33
16041 Uncollectible         D16041*           16042 Accounting & Finance Expense         D16042*           16043 Human Resources Expense         D16044*           16044 Information Management Expense         D16044*           16045 Intangibles         D16045*           16046 Total Other Direct Expenses         Sum(E1           16047         E16037*           16049         E16037*           16050 Common         D16051*           16052 Planning Expense         D16052*           16052 External Relations Expense         D16052*           16054 Legal Expense         D16052*           16055 Other Procurement Expense         D16055*           16056 Research & Development Expense         D16055*           16057 Other General and Admin Expense         D16055*           16058 Common Costs         Sum(E16)	9*E16034 0.0	088742 \$32.14
16042 Accounting & Finance Expense       D16042*         16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E16*)         16047       E160374*         16048 TELRIC       E160374*         16050 Common       D16051*         16052 Planning Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16056*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16*)	0°E16034 0.0	043342 \$15.70
16043 Human Resources Expense       D16043*         16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1         16047       E16037*         16048 TELRIC       E16037*         16050 Common       E16051*         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16	1*E16034 0.0	003786 \$1.37
16044 Information Management Expense       D16044*         16045 Intangibles       D16045*         16046 Total Other Direct Expenses       Sum(E1)*         16047       E16037*         16048 TELRIC       E16037*         16050 Common       D16051*         16051 Executive Expense       D16052*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16056*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E1)*	2*E16034 0.0	007346 \$2.66
16045 Intangibles       D16045         16046 Total Other Direct Expenses       Sum(E1         16047       E160374         16049       E160374         16050 Common       D16051 Executive Expense         16052 Planning Expense       D16052*         16053 External Relations Expense       D16052*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16055*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16	3*E16034 0.0	008294 \$3.00
16046         Total Other Direct Expenses         Sum(E1)           16047         E16037-           16048         TELRIC         E16037-           16049         B16050         Common           16051         Executive Expense         D16051*           16052         Planning Expense         D16052*           16053         External Relations Expense         D16053*           16054         Legal Expense         D16055*           16055         Other Procurement Expense         D16056*           16056         Research & Development Expense         D16056*           16057         Other General and Admin Expense         D16057*           16058         Common Costs         Sum(E1)	4*E16034 0.0	070887 \$25.67
16047       16048 TELRIC       E160374         16049       16050 Common         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16)	5°E16034 0.0	000000 \$0.00
16048 TELRIC       E160374         16049       16050 Common         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16	16037:E16045)	\$98.49
16049       16050 Common         16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16)		
16050 Common       D16051*         16051 Executive Expense       D16052*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16)	7+E16046	\$460.66
16051 Executive Expense       D16051*         16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16)*		
16052 Planning Expense       D16052*         16053 External Relations Expense       D16053*         16054 Legal Expense       D16054*         16055 Other Procurement Expense       D16055*         16056 Research & Development Expense       D16056*         16057 Other General and Admin Expense       D16057*         16058 Common Costs       Sum(E16)		
16053 External Relations Expense         D16053*           16054 Legal Expense         D16054*           16055 Other Procurement Expense         D16055*           16056 Research & Development Expense         D16056*           16057 Other General and Admin Expense         D16057*           16058 Common Costs         Sum(E10)		011267 \$5.19
16054 Legal Expense         D16054*           16055 Other Procurement Expense         D16055*           16056 Research & Development Expense         D16056*           16057 Other General and Admin Expense         D16057*           16058 Common Costs         Sum(E10*)		000525 \$0.24
16055 Other Procurement Expense         D16055*           16056 Research & Development Expense         D16056*           16057 Other General and Admin Expense         D16057*           16058 Common Costs         Sum(E10		37846 \$17.43
16056 Research & Development Expense         D16056*           16057 Other General and Admin Expense         D16057*           16058 Common Costs         Sum(E10		004717 \$2.17
16057 Other General and Admin Expense         D16057*           16058 Common Costs         Sum(E10		01860 \$0.86
16058 Common Costs Sum(E10		000006 \$0.00
		15064 \$6.94
16059	16051:E16057)	\$32.84
16060 TELRIC + Common Costs E16048+	8+E16058	\$493.50

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Bert	Time Minut <del>os</del>	Prob #1	Frot	Prob Prob	Applied Time (Minutes)	Lebor /Hour	Cost
A	В	С	D	E F	G	Н	Τ
					B*(C Thru F)		H * (G/60)
CONFERENCE CALLING - MEET ME - PER SYSTEM							
*ADD*							
-RCMAC							
1st probability is % by switch type		0.000			0.00	£40.04	<b>60.40</b>
Translations - SW1 Translations - SW2	1	0.660 0.340			0.66 0.34	\$43.81 \$43.81	\$0.48 \$0.25
Translations - GWZ	•	0.040			0.57	φ40.01	\$0.25
Subtotal - RCMAC					1.00		\$0.73
-NROC							
1st probability is % by switch type							
Administration - sw1	25	0.660			16.50	\$41.45	\$11.40
Maintenance - sw1	20	0.660			13.20	\$41.45	\$9.12
Administration - sw2	20 20	0.340 0.340			6.80 6.80	\$41.45 \$41.45	\$4.70 \$4.70
Maintenance - sw2	20	0.340			0.60	<b>⊅41.43</b>	\$4.70
Subtotal - NROC					43.30		\$29.91
Total For Service:					44.30		\$30.64

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work fleπ Ā	Time Minutes B	Prob #1 C	908860 908 808660 900	"4" St. 61 of 63 of 69 of 80 of 10 '41'	rob Applied Time M (Minutes) F G	Labor Mour Cost H
					B * (C Thru F)	H * (G/60)

#### CONFERENCE CALLING - MEET ME - PER SYSTEM (con't)

16114	Cost	Cost	
16115	Calculation	Factor	Cost
16116	6 C	0	E
16117 Marketing & Business Fees			
16118 Product Management Expense	D16118*E16112	0.019957	\$0.
16119 Sales Expense	D16119*E16112	0.011877	\$0.
16120 Product Advertising Expense	D16120*E16112	0.000000	\$0.
16121 Business Fees (Other Operating Taxes)	D16121*Sum(E16112:E16120)	0.001483	\$0.
16122 Total Marketing & Business Fees	Sum(E16112:E16121)		\$1.
16123			
16124 Sub-Total Direct Cost & Marketing	E16112+E16122		\$31.
16125			
16126 Other Direct Expenses			
16127 Network Operations	D16127*E16124	0.034832	\$1.
16128 Network Support Assets	D16128*E16124	0.014703	\$0.
16129 General Support Assets	D16129*E16124	0.088742	\$2.
16130 General Purpose Computers	D16130*E16124	0.043342	\$1.
16131 Uncollectible	D16131*E16124	0.003786	\$0.
16132 Accounting & Finance Expense	D16132*E16124	0.007346	\$0.
16133 Human Resources Expense	D16133*E16124	0.008294	\$0.
16134 Information Management Expense	D16134*E16124	0.070887	\$2.
16135 Intangibles	D16135*E16124	0.000000	\$0.0
6136 Total Other Direct Expenses	Sum(E16127:E16135)		\$8.0
6137	E16127+E16136		#40
6138 TELRIC 6139	E1012/+E10130		\$40.
16140 <i>Common</i>			
16141 Executive Expense	D16141*E16138	0.011267	\$0.4
16142 Planning Expense	D16142*E16138	0.000525	\$0.
16143 External Relations Expense	D16143 E16138	0.000323	\$1.5
6144 Legal Expense	D16144*E16138	0.037646	\$0.
	D16145*E16138	0.001860	\$0.
6145 Other Procurement Expense 6146 Research & Development Expense	D16146*E16138	0.000006	\$0.
	D16146*E16136	0.000006	\$0. \$0.
6147 Other General and Admin Expense 6148 Common Costs	Sum(E16141:E16147)	J.U 10U04	\$2.

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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\$30.64

44.30

Time Prob Prob Prob Applied Time Prob Lebor Cost (Minutes) Work Rem Minutes #2 #3 Mour B \* (C Thru F) H \* (G/60)

### **CONFERENCE CALLING - PRESET - PER SYSTEM**

#### \*ADD\*

### -RCM

Total For Service:

-RCMAC 1st probability is % by switch type Translations - SW1 Translations - SW2	1 1	0.660 0.340	0.66 0.34	\$43.81 \$0.48 \$43.81 \$0.25
Subtotal - RCMAC			1.00	\$0.73
-NROC 1st probabliity is % by switch type				
Administration - sw1	25	0.660	16.50	\$41.45 \$11.40
Maintenance - sw1	20	0.660	13.20	\$41.45 \$9.12
Administration - sw2	20	0.340	6.80	\$41.45 \$4.70
Maintenance - sw2	20	0.340	6.80	\$41.45 \$4.70
Subtotal - NROC			43.30	\$29.91

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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ed familias magassa duca magasa ang magasa maga <b>work kem</b>	Time Minutes	Prob #1	Prob #2	CP 28 2 3 3 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rob Applied Time #4 (Minutes)	Labor Mour Cost
A	В	С	D	E	F G	H - T
					B * (C Thru F)	H * (G/60)

### CONFERENCE CALLING - PRESET - PER SYSTEM (con't)

16202   16203   16204   16205   16206   16206   16207   16206   16207   16208   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   16209   1620
16205   Calculation   Factor   Calculation   Factor   Calculation   Factor   Calculation   Factor   Calculation   Factor   Calculation   Factor   Calculation   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Factor   Fac
16206   B
16207 Marketing & Business Fees 16208 Product Management Expense 16208 Sales Expense 16209 Sales Expense 16209 Tel6202 10.019957 16209 Sales Expense 16210 Product Advertising Expense 16210 Product Advertising Expense 16210 Tel6202 10.000000 16211 Business Fees (Other Operating Taxes) 16212 Total Marketing & Business Fees 16213 16213 16214 Sub-Total Direct Cost & Marketing 16214 Sub-Total Direct Expenses 16217 Network Operations 16217 Network Operations 16218 Network Support Assets 16219 General Support Assets 16229 General Support Assets 16220 General Purpose Computers 16220 General Purpose Computers 16221 Uncollectible 16222 Accounting & Finance Expense 16223 Human Resources Expense 16224 Information Management Expense 16225 Intangibles 16226 Total Other Direct Expenses 16227 Sum(E162215) 16226 Total Other Direct Expenses 16228 Total Other Direct Expenses 16226 Sum(E16217:E16225) 16226 Total Other Direct Expenses 16226 Total Other Direct Expenses 16227 FIERIC
16207 Marketing & Business Fees   D16208*E16202   0.019957     16208 Product Management Expense   D16209*E16202   0.011877     16209 Sales Expense   D16209*E16202   0.000000     16210 Product Advertising Expense   D16210*E16202   0.000000     16211 Business Fees (Other Operating Taxes)   D16211*Sum(E16202:E16210)   0.001483     16212   Total Marketing & Business Fees   Sum(E16202:E16211)     16213   Sub-Total Direct Cost & Marketing   E16202+E16212   3     16214 Sub-Total Direct Expenses   Sum(E16202*E16211)     16215   Other Direct Expenses   D16217*E16214   0.034832     16216 Other Direct Expenses   D16218*E16214   0.014703     16219 General Support Assets   D16219*E16214   0.088742     16220 General Purpose Computers   D16220*E16214   0.088742     16221 Uncollectible   D16220*E16214   0.003786     16222 Accounting & Finance Expense   D16222*E16214   0.003786     16223 Human Resources Expense   D16222*E16214   0.003786     16224 Information Management Expense   D16222*E16214   0.00894     16225 Intangibles   D16225*E16214   0.008094     16226 Total Other Direct Expenses   Sum(E16217:E16225)     16226 Total Other Direct Expenses   Sum(E16217:E16225)     16226 TELRIC   E16217-E16226   Sum(E16217:E16225)
16208 Product Management Expense
16209 Sales Expense   D16209*E16202   D.011877   16210 Product Advertising Expense   D16210*E16202   D.000000   D16211*Sum(E16202:E16210)   D.000000   D16211*Sum(E16202:E16210)   D.001483   D16212*Fotal Marketing & Business Fees   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16211)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16212)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16214)   Sum(E16202:E16204)   Sum(E16202:E16204)   Sum(E16202:E16204)   Sum(E16
16210 Product Advertising Expense   D16210*E16202   0.000000     16211 Business Fees (Other Operating Taxes)   D16211*Sum(E16202:E16210)   0.001483     16212   Total Marketing & Business Fees   Sum(E16202:E16211)     16213
16211   Business Fees (Other Operating Taxes)   D16211*Sum(E16202:E16210)   0.001483     16212   Total Marketing & Business Fees   Sum(E16202:E16211)     16213
16212   Total Marketing & Business Fees   Sum(E16202:E16211)     16213
16213   16214 Sub-Total Direct Cost & Marketing
16214 Sub-Total Direct Cost & Merketing   E16202+E16212   16215   16216 Other Direct Expenses   D16217*E16214   0.034832   16217 Network Operations   D16218*E16214   0.014703   16219 General Support Assets   D16219*E16214   0.088742   16220 General Purpose Computers   D16220*E16214   0.043342   16221 Uncollectible   D16221*E16214   0.003786   16222 Accounting & Finance Expense   D16222*E16214   0.007346   16223 Human Resources Expense   D16223*E16214   0.006294   16224 Information Management Expense   D16223*E16214   0.070887   16225 Intangibles   D16225*E16214   0.000000   16226   Total Other Direct Expenses   D16225*E16215   0.000000   16226   Total Other Direct Expenses   Sum(E16217:E16225)   16228   TELRIC   E16217+E16226   S
16215 16216 Other Direct Expenses 16217 Network Operations 16217 Network Operations 16218 Network Support Assets 16219 General Support Assets 16219 General Purpose Computers 16220 General Purpose Computers 16221 Uncollectible 16222 Accounting & Finance Expense 16223 Human Resources Expense 16224 Information Management Expense 16224 Information Management Expense 16225 Intangibles 16225 Tatagibles 16226 Totagibles 16227 16228 TELRIC 16217 E16216 16228 TELRIC 16217 E16226 16227 16228 TELRIC 16228 TELRIC 16227 E16217 1 0.034832 16217 16228 1 0.0034832 16226 1 0.000000 16228 TELRIC 16227 1 0.000000
16216 Other Direct Expenses         16217 Network Operations       D16217*E16214       0.034832         16218 Network Support Assets       D16218*E16214       0.014703         16219 General Support Assets       D16219*E16214       0.088742         16220 General Purpose Computers       D16220*E16214       0.043342         16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16223*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227       E16217+E18226       \$
16217 Network Operations       D16217*E16214       0.034832         16218 Network Support Assets       D16218*E16214       0.014703         16219 General Support Assets       D16219*E16214       0.088742         16220 General Purpose Computers       D16220*E16214       0.043342         16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227       E16217+E18226       \$
16218 Network Support Assets       D16218*E16214       0.014703         16219 General Support Assets       D16219*E16214       0.088742         16220 General Purpose Computers       D16220*E16214       0.043342         16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227       E16217+E16226       \$
16219 General Support Assets       D16219*E16214       0.088742         16220 General Purpose Computers       D16220*E16214       0.043342         16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227       E16217+E16226       \$
16220 General Purpose Computers       D16220*E16214       0.043342         16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16223*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227 Tetal Other Direct Expenses       \$16227 E16214       \$16227 E16214
16221 Uncollectible       D16221*E16214       0.003786         16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227 Tetrail Control of the Direct Expenses       E16217+E18226       \$
16222 Accounting & Finance Expense       D16222*E16214       0.007346         16223 Human Resources Expense       D16223*E16214       0.008294         16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16228 TELRIC       E16217+E18226       \$
16223 Human Resources Expense D16223*E16214 0.008294 16224 Information Management Expense D16224*E16214 0.070887 16225 Intangibles D16225*E16214 0.000000 16226 Total Other Direct Expenses Sum(E16217:E16225) 16227
16224 Information Management Expense       D16224*E16214       0.070887         16225 Intangibles       D16225*E16214       0.000000         16226 Total Other Direct Expenses       Sum(E16217:E16225)         16227       E16217+E16226       \$
16225 Intangibles         D16225 E16214         0,000000           16226 Total Other Direct Expenses         Sum(E16217:E16225)           16227         E16217-E16226         \$
16226 Total Other Direct Expenses     Sum(E16217:E16225)       16227     16228 TELRIC     E16217+E16226     \$
16227 16228 TELRIC E16217+E16226 \$
16228 TELRIC E16217+E16226 9
16229
16230 Common
16231 Executive Expense D16231*E16228 0.011267
16232 Planning Expense D16232*E16228 0.000525
16233 External Relations Expense D16233*E16228 0.037846
16234 Legal Expense D16234*E16228 0.004717
16235 Other Procurement Expense D16235*E16228 0.001860
16236 Research & Development Expense D16236*E16228 0.000006
16237 Other General and Admin Expense D16237 E16228 0.015064
16238 Common Costs Sum(E16237)
16239
16240 TELRIC + Common Costs E16228+E16238 S

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Barn	Time Minutes	Prob #1	Prob #2		rob Applied Time M (Minutes)	Labor Mour	Cost
A	В	С	Б	E	F G B * (C Thru F)	Н	I H * (G/60)
CONFERENCE CALLING - STATION DIAL							
ADD*							
RCMAC 1st probability is % by switch type							
Translations - SW1	1	0.660			0.66	\$43.81	\$0.48
Translations - SW2	1	0.340			0.34	\$43.81	\$0.2
Subtotal - RCMAC					1.00		\$0.7
NROC							
1st probability is % by switch type	0.5	0.000			40.50		****
Administration - sw1	25 25	0.660 0.660			16.50 16.50	\$41.45 \$41.45	\$11.4
Maintenance - sw1 Administration - sw2	20	0.340			6.80	\$41.45	\$11.40 \$4.70
Maintenance - sw2	20	0.340			6.80	\$41.45	\$4.7
Subtotal - NROC					46.60		\$32.1
Total For Service:					47.60		\$32.92

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

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Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob Prob #1 #2 C D	Prab #3 E	Prob Applied Time #4 (Minutes) F G	Labot Mour Cost H
				B * (C Thru F)	H * (G/60)

### CONFERENCE CALLING - STATION DIAL (con't)

16292 Direct Cost			\$32.92
16293			
16294	Cog	Cost	
16295	7.7	Factor	Cost
16296	B C		E
16297 Marketing & Business Fees		-	
16298 Product Management Expense	D16298*E16292	0.019957	\$0.66
16299 Sales Expense	D16299*E16292	0.011877	\$0.39
16300 Product Advertising Expense	D16300*E16292	0.000000	\$0.00
16301 Business Fees (Other Operating Taxes)	D16301*Sum(E16292;E16300)	0.001483	\$0.05
16302 Total Marketing & Business Fees	Sum(E16292:E16301)		\$1.10
16303			
16304 Sub-Total Direct Cost & Marketing	E16292+E16302		\$34.02
16305			
16306 Other Direct Expenses			
16307 Network Operations	D16307*E16304	0.034832	\$1.19
16308 Network Support Assets	D16308*E16304	0.014703	\$0.50
16309 General Support Assets	D16309°E16304	0.088742	\$3.02
16310 General Purpose Computers	D16310*E16304	0.043342	\$1.47
16311 Uncollectible	D16311*E16304	0.003786	\$0.13
16312 Accounting & Finance Expense	D16312*E16304	0.007346	\$0.25
16313 Human Resources Expense	D16313*E16304	0.008294	\$0.28
16314 Information Management Expense	D16314*E16304	0.070887	\$2.41
16315 Intangibles	D16315*E16304	0.000000	\$0.00
16316 Total Other Direct Expenses	Sum(E16307:E16315)		\$9.25
16317			
16318 TELRIC	E16307+E16316		\$43.27
16319			
16320 Common			
16321 Executive Expense	D16321*E16318	0.011267	\$0.49
16322 Planning Expense	D16322*E16318	0.000525	\$0.02
16323 External Relations Expens€	D16323*E16318	0.037846	\$1.64
16324 Legal Expense	D16324*E16318	0.004717	\$0.20
16325 Other Procurement Expense	D16325*E16318	0.001860	\$0.08
16326 Research & Development Expense	D16326*E16318	0.000006	\$0.00
16327 Other General and Admin Expense	D16327*E16318	0.015064	\$0.65
16328 Common Costs	Sum(E16321:E16327)		\$3.08
16329			
16330 TELRIC + Common Costs	E16318+E16328		\$46.36

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

Total For Service:

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\$9.79

15.00

<b>W</b> ork frem	Time Minutes	Prob #1	Prob #2	\$1.50 pp. 50 \$5.50 pp. 35 pp. 55 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp. 50 pp.	Prob #4	Applied Time (Minutes)	Lebor Hour	Cost
А	В	С	D	E	F	G B * (C Thru F)	н	H * (G/60)
9.12.1.4 SUBSEQUENT ORDER CHARGE								
*ADD*								
<u>-ISC - INTERCONNECT SERVICE CENTER</u> PROVISION SUBSEQUESNT ORDER	15	1.000				15.00	\$39.16	\$9.79
Subtotal - ISC - INTERCONNECT SERVICE CENTER						15.00		\$9.79

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Time linutes B	Prob #1 C	Prot #2 D	Prob #3 E	Prob #4	Applied Time (Minstes) G	Labor Mour H	Cost
					B * (C Thru F)		H * (G/60)

### 9.12.1.4 SUBSEQUENT ORDER CHARGE (con't)

16382 Direct Cost		\$9.79
16383		38.13
16384	Cost Co	
16385	Calculation Fac	20200000000000000000000000000000000000
16386	B C D	
16387 Marketing & Business Fees		
	D16388*E16382 0.0	19957 \$0.20
16388 Product Management Expense		011877 \$0.12
16389 Sales Expense		000000 \$0.00
16390 Product Advertising Expense		001483 \$0.01
16391 Business Fees (Other Operating Taxes)	Sum(E16382:E16390; 0.0	
16392 Total Marketing & Business Fees	Sum(E16362:E16391)	\$0.33
16393	E16382+E16392	\$10.12
16394 Sub-Total Direct Cost & Marketing	E10305+E10335	\$10.12
16395		
16396 Other Direct Expenses	D16397*E16394 0.0	34832 \$0.35
16397 Network Operations		•
16398 Network Support Assets		014703 \$0.15
16399 General Support Assets		88742 \$0.90
16400 General Purpose Computers		43342 \$0.44
16401 Uncollectible	=	03786 \$0.04
16402 Accounting & Finance Expense		07346 \$0.07
16403 Human Resources Expense		08294 \$0.08
16404 Information Management Expense		70887 \$0.72
16405 Intangibles		00000 \$0.00
16406 Total Other Direct Expenses	Sum(E16397:E16405)	\$2.75
16407 TELRIC	E16397+E16406	\$12.87
16409	210007+210400	ψ12.01
16410 Common		
16411 Executive Expense	D16411*E16408 0.0	11267 \$0.14
16412 Planning Expense	D16412*E16408 0.0	00525 \$0.01
16413 External Relations Expense	D16413*E16408 0.0	37846 \$0.49
16414 Legal Expense	- · · · · · · · · · · · · · · · · · · ·	04717 \$0.06
16415 Other Procurement Expense	D16415*E16408 0.0	01860 \$0.02
16416 Research & Development Expense		00006 \$0.00
16417 Other General and Admin Expense		15064 \$0.19
16418 Common Costs	Sum(E16411:E16417)	\$0.92
16419		
16420 TELRIC + Common Costs	E16408+E16418	\$13.78

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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	Time Unutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	Ċ	D E F	G	H	I
				B * (C Thru F)		H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN)						
*ADD*						
<del></del>						
-INTERCONNECTION SERVICE CENTER  Prob #1 = .05, .5, .60 probability of occurrences						
Reviews LSR for completeness and accuracy, contractual entries (analyze request to						
determine co-provider, type of order and installation option)						
Receive LSR	3	1.000		3.00	\$39.16	\$1.96
Verifies CFA or facility/circuit availability	2	0.050		0.10	\$39.16	\$0.07
Exchange Info-Obtain Central Office, name, address and office type, Access Telephone	_			5	4000	<b>50.07</b>
Address Guide to obtain the central office address						
Exchange Info-Obtain Central Office	4	1.000		4.00	\$39.16	\$2.61
CPPD-lookup billing USOC's for co-provider	2	1.000		2.00	\$39.16	\$1.31
Summary Bill List-Look up BTN#, tax code, and Bill date	2	1.000		2.00	\$39.16	\$1.31
Determine if the end user has Qwest directory advertising	1	1.000		1.00	\$39.16	\$0.65
Determine if the end user has Qwest retail contract	1	1.000		1.00	\$39.16	\$0.65
Determine critical dates	1	1.000		1.00	\$39.16	\$0.65
If there is either directory advertising or a retail contract or both, issue the order to remove						
the information from the account. An estimate of 50% of the accounts will have these.						
Issue appropriate forms and/or orders	2	0.500		1.00	\$39.16	\$0.65
Populate required fields Customer Request management (CRM)	3	1.000		3.00	\$39.16	\$1.96
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000		3.00	\$39.16	\$1.96
input order into service order processor (manually typing and formatting of all orders for						
biling and provisioning)						
Issue service order	10	1.000		10.00	\$39.16	\$6.53
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000		3.00	\$39.16	\$1.96
Includes handling calls from other departments working the order	5	0.600	,	3.00	\$39.16	\$1.96
Handling of problems on the LSR, provisioning Issues such as conditioning, facility problems						
cable & pair, and typing problems handled by the center  Error on Service order (ESOI)	5	0.050		0.05	000.40	00.40
Effor on Service order (ESOI)	5	0.050		0.25	\$39.16	\$0.16
Subtotal - INTERCONNECTION SERVICE CENTER				37.35	<u> </u>	\$24.38
-LOOP PROVISIONING CENTER						
Prob #1 = times						
Prob #2 = % of orders manually assigned includes orders not assigned in FACS.						
Clearing time per RMA	11.25	0.400		4.50	\$37.78	\$2.83
	_ <u>.</u>					
Subtotal - LOOP PROVISIONING CENTER				4.50		\$2.83

-RCMAC

Prob #1 = times prob #2 = % by switch type

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work them	Time Minutes	Prob #1	Proti #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D	- E - F	G B * (C Thru F)	Н	I H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,							
Translations - SW1 Translations - SW2	10 7	0.660 0.340			6.60 2.38	\$43.81 \$43.81	\$4.82 \$1.74
		0.340	<u></u>	- <del>-</del>		543.51 ———	,
Subtotal - RCMAC		<del></del>		<del>-</del>	8.98		\$6.56
-DESIGNED SERVICE CENTER - DESIGN							
Prob #1 = times							
Prob #2 = % of order items that require manual processing	_						
Order handling/screening	5 6	0.200			1.00	\$44.31 \$44.31	\$0.74
GOC order log Enter WA mask	<b>b</b> 5	0.200 0.800			1.20 4.00	\$44.31 \$44.31	\$0.89 \$2.95
Enter WA mask Circuit design	30	1.000			30.00	\$44.31	\$2.95 \$22,16
Distribute WORD doc	2	0.900			1.80	\$44.31	\$1.33
Subtotal - DESIGNED SERVICE CENTER - DESIGN				<del> </del>	38.00		\$28.06
-CENTRAL OFFICE TECHNICIAN - LNO/CO							
Prob #1 = times Analyze Order	5	1.000			5.00	\$43.81	\$3.65
Complete Cross-Connect	4	1,000			4.00	\$43.81	\$2.92
Perform Comformance testing	7	1.000			7.00	\$43.81	\$5.11
Complete DD work status with CCT-I	3	1.000			3.00	\$43.81	\$2.19
Post DVA work complete in WFA-DI	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN - LNO/CC					21.00		\$15.33
-DESIGN SERVICE CENTER - IMPLEMENTOR							
Prob #1 = times							
Screen Work Force Administration for Circuit	5	1.000			5.00	\$43.81	\$3.65
Verify LNO completion	.5	1.000			5.00	\$43.81	\$3.65
Monitor Performance testing	15	1.000			15.00	\$43.81	\$10.95
Notify Co-Provider of work completion	5	1.000			5.00	\$43.81	\$3.65
Post Order Complete in Work Force Administration- Control Module	10	1.000			10.00	\$43.81	\$7.30
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR					40.00		\$29.21
-CORAC/DISPATCH CENTER							
Prob #1 = times							
Prob #2 = CRON'd fallout (manual load)							
Screen Order	2	0.150			0.30	\$37.78	\$0.19
Load work request to Technician	5	0.150			0.75	\$37.78	\$0.47
Closeout work request with Technician	3	0.150			0.45	\$37.78	\$0.28

Study Name: NONRECURRING ELEMENTS

PER BUTTON - ADMINISTRATION

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

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State: South Dakota							
Work item	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E F	G B * (C Thru F)	Н	T H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,							
Subtotal - CORAC/DISPATCH CENTER					1.50		\$0.94
-RCMAC							
1st probability is % by switch type							
B CHANNEL CIRCUIT SWITCHED DATA - 5E	8	0.660			5.28	\$43.81	\$3.86
B CHANNEL CIRCUIT SWITCHED DATA - DMS	8	0.340			2.72	\$43.81	\$1.99
CALL APPEARANCE - 5E	1	0.660			0.66	\$43.81	\$0.48
CALL APPEARANCE - DMS	1	0.340			0.34	\$43.81	\$0.25
CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.660			0.66	\$43.81	\$0.48
CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.340			0.34	\$43.81	\$0.25
D CHANNEL PACKET SWITCHED DATA - 5E	8	0.660			5.28	\$43.81	\$3.86
D CHANNEL PACKET SWITCHED DATA - DMS	8	0.340			2.72	\$43.81	\$1.99
ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.660			0,66	\$43.81	\$0.48
ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.660			0.66	\$43.81	\$0.48
RINGING NORMAL - DMS	1	0.340			0.34	\$43.81	\$0.25
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.660			0.66	\$43.81	\$0.48
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.340			0.34	\$43.81	\$0.25
X.25 LOGICAL CHANNELS - 5E	1	0.660			0.66	\$43.81	\$0.48
X.25 LOGICAL CHANNELS - DMS	1	0.340			0.34	\$43.81	\$0.25
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E	1	0.660			0.66	\$43.81	\$0.48
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.340			0.34	\$43.81	\$0.25
Subtotal - RCMAC					22.66		\$16.55
-COMPLEX TRANSLATIONS							
1st probability is % by switch type							
2nd probability weighting of SLS line counts to ISDN equipped Central Offices							
(137,938 lines to 382 central offices)							
COMMON BLOCK - 5E	10	0.660	0.003		0.02	\$41.45	\$0.01
COMMON BLOCK - 5E	10	0.660	0.003		0.02	\$41.45	\$0.01
COMMON BLOCK - DMS	335	0.340	0.003		0.34	\$41.45	\$0.24
COMMON BLOCK - DMS	580	0.340	0.003		0.59	\$41.45	\$0.41
D CHANNEL PACKET SWITCHED DATA - DMS	15	0.340	0.003		0.02	\$41.45	\$0.01
D CHANNEL PACKET SWITCHED DATA - DMS	10	0.340	0.003		0.01	\$41.45	\$0.01
CALLER ID BLOCKING, PER BRS - DMS	10	0.340	0.003		0.01	\$41.45	\$0.01
CALLER ID BLOCKING, PER BRS - DMS	5	0.340	0.003		0.01	\$41.45	\$0.00
1st probability is % of time this product requires complex translations work							
2nd probability average numbe of buttons per configuration group							
3rd probability weighting of SLS line counts to ISDN equipped Central Offices							
(137,938 lines to 382 central offices)							
CONFIGURATION GROUP - ADMINISTRATION	30	1.000	0.060	0.003	0.01	\$41.45	\$0.00
DED DUTTON ADMINISTRATION	7	1 000		0.003	0.00	<b>#</b> 41 4E	ድስ ስተ

1.000

0.003

0.02 \$41.45

\$0.01

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,  CONFIGURATION GROUP - MAINTENANCE 30 1.000 PER BUTTON - MAINTENANCE 5 1.000  Subtotel - COMPLEX TRANSLATIONS  *DISCONNECT*  -INTERCONNECT SERVICE CENTER Prob #1 = Occurrences Receive LSR 3 1.000 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 1.000 Issue service order 10 1.000 Populate required fields Customer Request management (CRM) 10 1.000 Populate required fields Customer Request management (CRM) 3 1.000 Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000  Subtotel - INTERCONNECT SERVICE CENTER Prob #1 = times Prob #1 = times Prob #1 = times Prob #1 = times Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotel - RCMAC -DESIGNED SERVICE CENTER - DESIGN Prob #1 = times	0.060 0.003 0.003	G H B*(C Thru F)  0.01 \$41.44 0.02 \$41.45  1.06  3.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$0.0 \$0.7 \$0.7 \$1.9 \$1.3 \$1.3 \$1.3 \$1.5 \$1.9
CONFIGURATION GROUP - MAINTENANCE 5 1.000  Subtotal - COMPLEX TRANSLATIONS  *DISCONNECT*  INTERCONNECT SERVICE CENTER  Prob #1 = Occurrences Receive LSR  Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address 2 1.000 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 1.000 Issue service order 10 1.000 Populate required fields Customer Request management (CRM) 3 1.000 Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000  Subtotal - INTERCONNECT SERVICE CENTER  -LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RIMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER		3.00 \$39.16 2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$0.0 \$0.7 \$0.7 \$1.9 \$1.3 \$1.3 \$1.3 \$1.5 \$1.9
PER BUTTON - MAINTENANCE  Subtotal - COMPLEX TRANSLATIONS  DISCONNECT*  INTERCONNECT SERVICE CENTER  Prob #1 = Occurrences  Receive LSR  Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address  2 1.000  Type, review and submit to customer the Firm Order Confirmation (FCC)  2 1.000  Issue service order  Populate required fields Customer Request management (CRM)  3 1.000  Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  3 1.000  Subtotal - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER  Prob #1 = times  Prob #2 = % of orders manually assigned includes orders not assigned in FACS.  Clearing time per RMA  11.25  0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC  Prob #1 = times  Prob #2 = % by switch type  Translations - SW2  1 0.660  Translations - SW2  DESIGNED SERVICE CENTER - DESIGN  Prob #1 = times		3.00 \$39.16 2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$0.0 \$0.7 \$0.7 \$1.9 \$1.3 \$1.3 \$1.3 \$1.5 \$1.9
PER BUTTON - MAINTENANCE  Subtotal - COMPLEX TRANSLATIONS  DISCONNECT*  INTERCONNECT SERVICE CENTER  Prob #1 = Occurrences  Receive LSR  Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address  2 1.000  Type, review and submit to customer the Firm Order Confirmation (FOC)  2 1.000  Issue service order  Populate required fields Customer Request management (CRM)  3 1.000  Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  3 1.000  Subtotal - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER  Prob #1 = times  Prob #2 = % of orders manually assigned includes orders not assigned in FACS.  Clearing time per RMA  11.25  0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC  Prob #1 = times  Prob #2 = % by switch type  Translations - SW1  1 0.660  Translations - SW2  DESIGNED SERVICE CENTER - DESIGN  Prob #1 = times		3.00 \$39.16 2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$0.0 \$0.7 \$0.7 \$1.9 \$1.3 \$1.3 \$1.3 \$1.5 \$1.9
INTERCONNECT*  Prob #1 = Occurrences Receive LSR Receive LSR Receive LSR Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address 2 1.000 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 1.000 Issue service order 10 1.000 Populate required fields Customer Request management (CRM) 3 1.000 Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000 Subtotal - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER  Prob #1 = times  Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC  Prob #1 = times  Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340		3.00 \$39.16 2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.9 \$1.3 \$1.3 \$6.5 \$6.5
### Interconnect Service Center  ### Prob #1 = Occurrences  Receive LSR  Prob #1 = Occurrences  Receive LSR  Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address  2 1.000  Type, review and submit to customer the Firm Order Confirmation (FOC)  2 1.000  Issue service order  10 1.000  Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  **Subtotal - INTERCONNECT SERVICE CENTER**  **LOOP PROVISIONING CENTER**  **Prob #1 = times** **Prob #2 = % of orders manually assigned includes orders not assigned in FACS.*  Clearing time per RMA  11.25  **O.400  **Subtotal - LOOP PROVISIONING CENTER**  **RCMAC**  **Prob #1 = times**  **Prob #2 = % by switch type**  Translations - SW1  Translations - SW2  **O.660  **DESIGNED SERVICE CENTER - DESIGN*  **Prob #1 = times**  **Prob #1 = times**  **Incerconnection of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of t		2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.3 \$1.3 \$1.3 \$6.5 \$1.9
Prob #1 = Occurrences Receive LSR Receive LSR Receive LSR Receive LSR Receive LSR Receive LSR Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address 2 1.000 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 1.000 Issue service order Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000  Subtotal - INTERCONNECT SERVICE CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.3 \$1.3 \$1.3 \$6.5 \$1.9
Receive LSR Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address 2 1.000 Type, review and submit to customer the Firm Order Confirmation (FOC) 2 1.000 Issue service order 10 1.000 Populate required fields Customer Request management (CRM) 2 1.000 Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000 Subtotal - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400 Subtotal - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340 Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.3 \$1.3 \$1.3 \$6.5 \$1.9
Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address  Type, review and submit to customer the Firm Order Confirmation (FOC)  Issue service order Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  Interconnect service center  LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  Interconnect service center  LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % by switch type Translations - SW1 Translations - SW2  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times Prob #1 = times		2.00 \$39.16 2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.3 \$1.3 \$1.3 \$6.5 \$1.9
Type, review and submit to customer the Firm Order Confirmation (FOC)  Issue service order Populate required fields Customer Request management (CRM) Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  Interconnect Service Center  OOP PROVISIONING CENTER Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  Included Includes Orders not assigned in FACS. Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Clearing time per RMA  Included Includes Orders not assigned in FACS.  Included Includes Orders not assigned in FACS.  Included Includes Orders not assigned in FACS.  Included Includes Orders not assigned in FACS.  Included Includes Orders not		2.00 \$39.16 10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$1.3 5 \$6.5 6 \$1.9
Issue service order Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  Industrial - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  11.25  O.400  Libitotal - LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % by switch type Translations - SW1 Translations - SW2  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		10.00 \$39.16 3.00 \$39.16 3.00 \$39.16	\$6.5 \$1.5
Populate required fields Customer Request management (CRM) Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)  ***Bubtotal - INTERCONNECT SERVICE CENTER**  **LOOP PROVISIONING CENTER**  **Prob #1 = times**  **Prob #2 = % of orders manually assigned includes orders not assigned in FACS.*  Clearing time per RMA  **11.25**  **O.400**  **Subtotal - LOOP PROVISIONING CENTER**  **Prob #1 = times**  **Prob #2 = % by switch type**  Translations - SW1		3.00 \$39.16 3.00 \$39.16	\$1.9
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP) 3 1.000  Subtotal - INTERCONNECT SERVICE CENTER  LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		3.00 \$39.16	
LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 Translations - SW2  Ubtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times	<del>_</del>		5 \$1.9
LOOP PROVISIONING CENTER  Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  11.25 0.400  Publicular - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Publicular - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		00.00	
Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		23.00	\$15.0
Prob #1 = times Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA 11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC Prob #1 = times Prob #2 = % by switch type Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times			
Prob #2 = % of orders manually assigned includes orders not assigned in FACS. Clearing time per RMA  11.25  0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC  Prob #1 = times Prob #2 = % by switch type Translations - SW1  1 0.660 Translations - SW2  1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times			
Clearing time per RMA  11.25 0.400  Subtotal - LOOP PROVISIONING CENTER  RCMAC  Prob #1 = times Prob #2 = % by switch type  Translations - SW1 1 0.660 Translations - SW2 1 0.340  Subtotal - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times			
RCMAC  Prob #1 = times Prob #2 = % by switch type  Translations - SW1 1 0.660 Translations - SW2 1 0.340  Wibitial - RCMAC  DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		4.50 \$37.78	\$2.8
RCMAC  Prob #1 = times  Prob #2 = % by switch type  Translations - SW1		4.50 \$57.78	φ2.0
Prob #1 = times         Prob #2 = % by switch type         Translations - SW1       1       0.660         Translations - SW2       1       0.340    Subtotal - RCMAC DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		4.50	\$2.8
Prob #1 = times         Prob #2 = % by switch type         Translations - SW1       1       0.660         Translations - SW2       1       0.340         Subtotal - RCMAC         DESIGNED SERVICE CENTER - DESIGN         Prob #1 = times			
Translations - SW1			
Translations - SW1			
DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		0.66 \$43.81	\$0.4
DESIGNED SERVICE CENTER - DESIGN Prob #1 = times		0.34 \$43.81	
Prob #1 = times		1.00	\$0.7
Prob #1 = times	<del></del>		<u></u> -
Prob #2 = % of orders requiring manual processing			
ORDER HANDLING/SCREENING 5 0.100		0.50 \$44.31	\$0.3
GOC ORDER LOG 6 0.100		0.60 \$44.31	\$0.4
ENTER WA MASK 5 0.100		0.50 \$44.31	\$0.3
DISCONNECT CIRCUIT 5 0.100		0.50 \$44.31	\$0.3
DISTRIBUTE WORD DOC 2 0.100			\$0.1
Subtotal - DESIGNED SERVICE CENTER - DESIGN		0.20 \$44.31	

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					_	
Work Real	Time Minutes	Prob #1	Prob Prob Prob 82 #9 #4	Applied Time (Minutes)	Labor /Hour	Cost
Ä	В	C	D E F	G	H	l
				B * (C Thru F)		H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,						
-DESIGN SERVICE CENTER - IMPLEMENTOR Prob #1 = times						
Screen Work Force Administration for Circuit for order accuracy	5	1.000		5.00	\$43.81	\$3.6
Contact Co-Provider	5	1.000		5.00	\$43.81	\$3.6
Complete order in Work Force Administration - Control Module	5	1.000		5.00	\$43.81	\$3.6
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR				15.00		\$10.9
-CENTRAL OFFICE TECHNICIAN - LNO/CO						
Prob #1 = times						
Analyze Order	5	1.000		5.00	\$43.81	\$3.6
Remove Cross - connect	2.3	1.000		2.30	\$43.81	\$1.6
Complete work request in Work Force Administration - Dispatch In Module	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN - LNO/CC	<del></del>		<u> </u>	9.30		\$6.79
		<del></del>			<del></del>	
-RCMAC 1st probability is % by switch type						
B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.660		0.66	\$43.81	\$0.4
B CHANNEL CIRCUIT SWITCHED DATA - DMS	i	0.340		0.34	\$43.81	\$0.2
CALL APPEARANCE - 5E	1	0.660		0.66	\$43.81	\$0.4
CALL APPEARANCE - DMS	1	0.340		0.34	\$43.81	\$0.2
CALLER ID BLOCKING, ALL CALL, PER BRS - 5E	1	0.660		0.66	\$43.81	\$0.4
CALLER ID BLOCKING, ALL CALL, PER BRS - DMS	1	0.340		0.34	\$43.81	\$0.2
D CHANNEL PACKET SWITCHED DATA - 5E	1	0.660		0.66	\$43.81	\$0.4
D CHANNEL PACKET SWITCHED DATA - DMS	1	0.340		0.34	\$43.81	\$0.2
ADDITIONAL CALL APPEARANCE/FEATURE - 5E	1	0.660		0.66	\$43.81	\$0.4
ADDITIONAL PRIMARY DIRECTORY NUMBER - 5E	1	0.660		0.66	\$43.81	\$0.4
RINGING NORMAL - DMS	1	0.340		0.34	\$43.81	\$0.2
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - 5E	1	0.660		0.66	\$43.81	\$0.4
X.25 FLOW CONTROL PARAMETER NEGOTIATION, PER CALL - DMS	1	0.340		0.34	\$43.81	\$0.2
X.25 LOGICAL CHANNELS - 5E	1	0.660		0.66	\$43.81	\$0.4
X.25 LOGICAL CHANNELS - DMS	1	0.340 0.660		0.34 0.66	\$43.81 \$43.81	\$0.25 \$0.48
X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - 5E X.25 THROUGHOUT CLASS NEGOTIATION, PER CALL - DMS	1	0.340		0.84	\$43.81 \$43.81	\$0.48 \$0.29
Subtotal - RCMAC				8.66		\$6.32
Total For Service:				238.81		\$168.93
TULA FUI SATULA:	<del></del>		<del></del> _	200.01		\$100.55

Study Name: NONRECURRING ELEMENTS

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Work item A	Time Minutes B	Prob #1 C	Prob Pr #2 # D	ob Prob 3 #4	Applied Time (Minstes) G	Lebor Mour Cost
					B * (C Thru F)	H * (G/60)

## 9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,

16652 <b>Direct Cost</b>			\$169.93
16653			
16654	Cost	Cost	
16655	Calculation	Factor	Cost
16656	ВС	D	25
16657 Marketing & Business Fees		,	
16658 Product Management Expense	D16658*E16652	0.019957	\$3.37
16659 Sales Expense	D16659*E16652	0.011877	\$2.01
16660 Product Advertising Expense	D16660*E16652	0.000000	\$0.00
16661 Business Fees (Other Operating Taxes)	D16661*Sum(E16652:E16660)	0.001483	\$0.26
16662 Total Marketing & Business Fees	Sum(E16652:E16661)		\$5.64
16663			
16664 Sub-Total Direct Cost & Marketing	E16652+E16662		\$174.57
16665	<del> </del>		
16666 Other Direct Expenses			
16667 Network Operations	D16667*E16664	0.034832	\$6.08
16668 Network Support Assets	D16668*E16664	0.014703	\$2.57
16669 General Support Assets	D16669*E16664	0.088742	\$15.49
16670 General Purpose Computers	D16670*E16664	0.043342	\$7.57
16671 Uncollectible	D16671*E16664	0.003786	\$0.66
16672 Accounting & Finance Expense	D16672*E16664	0.007346	\$1.28
16673 Human Resources Expense	D16673*E16664	0.008294	\$1.45
16674 Information Management Expense	D16674*E16664	0.070887	\$12.37
16675 Intangibles	D16675*E16664	0.000000	\$0.00
16676 Total Other Direct Expenses	Sum(E16667:E16675)		\$47.47
16677 16678 <b>TELRIC</b>	E16667+E16676		\$222.04
16679			<b>V</b> EZE. 0+
16680 Common			
16681 Executive Expense	D16681*E16678	0.011267	\$2.50
16682 Planning Expense	D16682*E16678	0.000525	\$0.12
16683 External Relations Expense	D16683*E16678	0.037846	\$8.40
16684 Legal Expense	D16684*E16678	0.004717	\$1.05
16685 Other Procurement Expense	D16685*E16678	0.001860	\$0.41
16686 Research & Development Expense	D16686*E16678	0.000006	\$0.00
16687 Other General and Admin Expense	D16687*E16678	0.015064	\$3.34
16688 Common Costs	Sum(E16681:E16687)		\$15.83
	<del></del>		<del>- +</del>
16689			

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	Time	Prob	Prob	Prob Pro	b Applied Time	Labor	
Work from	Minutes	n	#2	#3 #		Hour	Cost
A	В	С	D	Ė F	G	Н	1
					B * (C Thru F)		H * (G/60)
9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL							
*ADD*							
-INTERCONNECT SERVICE CENTER							
Prob #1 = .05, .5, .60 probability of occurrences							
Reviews LSR for completeness and accuracy, contractual entries (analyze request to							
determine co-provider, type of order and installation option)							
Receive LSR	3	1.000			3.00	\$39.16	\$1.96
Verifies CFA or facility/circuit availability	2	0.050			0.10	\$39.16	\$0.07
Exchange Info-Obtain Central Office, name, address and office type, Access Telephone						•	·
Address Guide to obtain the central office address							
Exchange Info-Obtain Central Office	4	1.000			4.00	\$39.16	\$2.61
CPPD-lookup billing USOC's for co-provider	2	1.000			2.00	\$39.16	\$1.31
Summary Bill List-Look up BTN#, tax code, and Bill date	2	1.000			2.00	\$39.16	\$1.31
Determine if the end user has Qwest directory advertising	1	1.000			1.00	\$39.16	\$0.65
Determine if the end user has Qwest retail contract	1	1.000			1.00	\$39.16	\$0.65
Determine critical dates	1	1.000			1.00	\$39.16	\$0.65
If there is either directory advertising or a retail contract or both, issue the order to remove							
the information from the account. An estimate of 50% of the accounts will have these.							
Issue appropriate forms and/or orders	2	0.500			1.00	\$39.16	\$0.65
Populate required fields Customer Request management (CRM)	3	1.000			3.00	\$39.16	\$1.96
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$39.16	\$1.96
input order into service order processor (manually typing and formatting of all orders for							
billing and provisioning)							
Issue service order	10	1.000			10.00	\$39.16	\$6.53
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000			3.00	\$39.16	\$1.96
Includes handling calls from other departments working the order	5	0.600			3.00	\$39.16	\$1.96
Handling of problems on the LSR, provisioning issues such as conditioning, facility problems	5						
cable & pair, and typing problems handled by the center	_	0.050			2.55	000 40	***
Error on Service order (ESOI)	5	0.050			0.25	\$39.16	\$0.16
Subtotal - INTERCONNECT SERVICE CENTER			<del></del>		37.35		\$24.38
DECION DEDIVIDE OFFICER DECICNED							
-DESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.  Order handling and screening	10	1 000	0.040		0.40	644.04	Ø0 04
Order nandling and screening  Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	10	1.000 0.050	0.042 0.042		0.42	\$44.31 \$44.31	\$0.31
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)  Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders)	4	0.050	0.042		0.02 0.16	\$44.31 \$44.31	\$0.02 \$0.12
Build and varidate besign related into (DRI) and Work Admonzation (mechanized orders, Build and verify Circuit Design (CD) (manual orders)	15	0.050	0.042		0.16	\$44.31 \$44.31	\$0.12 \$0.02
Build and verify Circuit Design (CD) (mandal orders)  Build and verify Circuit Design (CD) (mechanized orders)	3	0.950	0.042		0.03	\$44.31	\$0.02 \$0.09
Distribute Documents	2	1.000	0.042		0.12	\$44.31	\$0.09 \$0.06
Perform TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.47	\$44.31	\$0.35
Totalin the (main meighnein eyatem) i anatone		000	V.U-T		0.47	ψηη.01	Ψ0.00

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	Time	Prob	Prob	Prot	Prob	Applied Time	Labor	
Work them	Minutes	#1	#2	#3	#4	(Minutes)	Hour	Cost
A	8	С	D	E	F	G B* (C Thru F)	— н —	H * (G/60)
9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL (con't,								<b>(</b>
9.12.1.0.2 MESSAGE THOMK GROUP, FIRST THOMK - DSU DIGITAL (LUIT)								
PCList Trunks	2	1.000	0.042			0.08	\$44.31	\$0.06
Subtotal - DESIGN SERVICE CENTER - DESIGNER						1.39		\$1.03
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Screen Work Force Administration-Control Module for order accuracy	10	1.000				10.00	\$43.81	\$7.30
Complete Performance Testing	45	1.000				45.00	\$43.81	\$32.86
Notify co-provider of work completion	.5	1.000				5.00	\$43.81	\$3.65
Post order complete in Work Force Administration - Control Module	10	1.000				10.00	\$43.81	\$7.30
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						70.00		\$51.11
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Assign Trunk Group Number	10	0.500				5.00	\$41.45	\$3.45
Analyze Access Service Request/Translations Questionnaire	10	0.500				5.00	\$41.45	\$3.45
Build New Trunk Group	20	0.500				10.00	\$41.45	\$6.91
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUF						20.00		\$13.82
-NROC - COMPLEX TRANSLATIONS - ROUTE INDEX								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Assign Route Index	10	0.500				5.00	\$41.45	\$3.45
Subtotal - NROC - COMPLEX TRANSLATIONS - ROUTE INDEX						5.00		\$3.45
-NROC - COMPLEX TRANSLATIONS - TESTING								
Prob #1 = .50 probability is % of orders establishing a new trunk group								
Perform test call	5	0.500				2.50	\$41.45	\$1.73
Complete work item in Work Force Administration - Dispatch Module	5	0.500				2.50	\$41.45	\$1.73
Subtotal - NROC - COMPLEX TRANSLATIONS - TESTING						5.00		\$3.45
*DISCONNECT*								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrence								
Receive LSR	3	1.000				3.00	\$39.16	\$1.96
Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address	2	1.000				2.00	\$39.16	\$1.31
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000				2.00	\$39.16	\$1.31
Issue service order	10	1.000				10.00	\$39.16	\$6.53
Populate required fields Customer Request management (CRM), Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3 3	1.000 1.000				3.00	\$39.16 \$39.16	\$1.96
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP,	3	1.000				3.00	ф <b>39.</b> 16	\$1.96

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Work Rem	Time Minutes	Prob #1	40.402.91.61.92.92.92.92.92.92.92.92.92.92.92.92.92.	rob Prob IS <b>j</b> M		Lebor Afour Cost
	В	С	D	E F	G	H
					B * (C Thru F)	H * (G/60)

## 9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL (con't)

Subtotal - INTERCONNECT SERVICE CENTER				23.00		\$15.01
DESIGN SERVICE CENTER - DESIGNER						
Prob 1 (.05, .95) are percent orders worked manual versus mechanized.						
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.						
Order handling and screening	10	1.000	0.042	0.42	\$44.31	\$0.31
PCList Trunks	2	1.000	0.042	0.08	\$44.31	\$0.06
Build and Validate Work Authorization (manual orders)	5	0.050	0.042	0.01	\$44.31	\$0.01
Build and Validate Work Authorization (mechanized orders)	2	0.950	0.042	0.08	\$44.31	\$0.06
Build and verify Circuit Design (CD) (manual orders)	10	0.050	0.042	0.02	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mechanized orders)	2	0.950	0.042	0.08	\$44.31	\$0.06
Distribute Documents	2	1.000	0.042	0.08	\$44.31	\$0.06
Subtotal - DESIGN SERVICE CENTER - DESIGNER				0.78		\$0.58
DESIGN SERVICE CENTER - IMPLEMENTOR						
Screen Work Force Administration-Control Module for order accuracy	5	1.000		5.00	\$43.81	\$3.65
Contact Co-Provider	5	1.000		5.00	\$43.81	\$3.65
Complete Circuit in Work Force Adminstration - Control Module	5	1.000		5.00	\$43.81	\$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR				15.00		\$10.95
otel For Service:		<del>-</del>		177.52		\$123.78

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maggagastag anglese sesti se satanan kala	Work Rem	Time Minutes B	Prob #1 C	SUPERINCE OF STREET	Prob Applied Time # (Minstee) F G	Labor Hour H	Cost
					B * (C Thru F)		H * (G/60)

#### 9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL (con't)

	<u> </u>		
16832 Direct Cost			\$123.78
16833			
16834		Cost	
16835		ector	Cost
16836	<u> </u>	D	E
16837 Marketing & Business Fees			
16838 Product Management Expense	D16838*E16832	0.019957	\$2.47
16839 Sales Expense	D16839*E16832	0.011877	\$1.47
16840 Product Advertising Expense	D16840*E16832	0.000000	\$0.00
16841 Business Fees (Other Operating Taxes)	D16841*Sum(E16832:E16840)	0.001483	<u>\$0.19</u>
16842 Total Marketing & Business Fees	Sum(E16832:E16841)		\$4.13
16843			
16844 Sub-Total Direct Cost & Marketing	E16832+E16842		\$127.91
16845			
16846 Other Direct Expenses			
16847 Network Operations	D16847*E16844	0.034832	\$4.46
16848 Network Support Assets	D16848*E16844	0.014703	\$1.88
16849 General Support Assets	D16849*E16844	0.088742	\$11.35
16850 General Purpose Computers	D16850*E16844	0.043342	\$5.54
16851 Uncollectible	D16851*E16844	0.003786	\$0.48
16852 Accounting & Finance Expense	D16852*E16844	0.007346	\$0.94
16853 Human Resources Expense	D16853*E16844	0.008294	\$1.06
16854 Information Management Expense	D16854*E16844	0.070887	\$9.07
16855 Intangibles	D16855*E16844	0.000000	\$0.00
16856 Total Other Direct Expenses	Sum(E16847:E16855)		\$34.78
16857			
16858 TELRIC	E16847+E16856		\$162.69
16859			
16860 Common			
16861 Executive Expense	D16861*E16858	0.011267	\$1.83
16862 Planning Expens€	D16862*E16858	0.000525	\$0.09
16863 External Relations Expense	D16863°E16858	0.037846	\$6.16
16864 Legal Expense	D16864*E16858	0.004717	\$0.77
16865 Other Procurement Expense	D16865*E16858	0.001860	\$0.30
16866 Research & Development Expense	D16866*E16858	0.000006	\$0.00
16867 Other General and Admin Expense	D16867*E16858	0.015064	\$2.45
16868 Common Costs	Sum(E16861;E16867)		\$11.60
16869			<del></del>
16870 TELRIC + Common Costs	E16858+E16868		\$174.29
( <u> 7</u>			

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Work Rein A	Time Minutes B	Prob #1 C	Proti #2 D	Prab Pr #3 # E		Lebor /Hour H	Ecel     H * (G/60)
9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL							
*ADD*							
-INTERCONNECT SERVICE CENTER PROB #1 = .60, .05 % probability of occurrence Populate required fields Customer Request Management (CRM) Review Firm Order Confirmation Issue service order Service Order Analysis & Control (SOAC/SOP) Includes handling calls from other departments working the order	3 3 5 3 1	1.000 1.000 1.000 1.000 0.600			3.00 3.00 5.00 3.00 0.60	\$39.16 \$39.16 \$39.16 \$39.16 \$39.16	\$1.96 \$1.96 \$3.26 \$1.96 \$0.39
Hanlding problems on the LSR, error on Servie (ESOI)	5	0.050			0.25	\$39.16	\$0.16
Subtotal - INTERCONNECT SERVICE CENTER					14.85		\$9.69
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized042 represents 1/24 of a trunk group. Assumes 24 trunks per order. Order handling and screening Build and validate Design Related Info (DRI) and Work Authorization (manual orders) Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders) Build and verify Circuit Design (CD) (manual orders) Build and verify Circuit Design (CD) (mechanized orders) Distribute Documents Perform TAS (Trunk Assignment System) Functions PCList Trunks	10 10 4 15 3 2 15 2	1.000 0.050 0.950 0.050 0.950 1.000 0.750 1.000	0.042 0.042 0.042 0.042 0.042 0.042 0.042		0.42 0.02 0.16 0.03 0.12 0.08 0.47 0.08	\$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$44.31 \$44.31	\$0.31 \$0.02 \$0.12 \$0.02 \$0.09 \$0.06 \$0.35 \$0.06
Subtotal - DESIGN SERVICE CENTER - DESIGNER					1.39		\$1.03
-DESIGN SERVICE CENTER - IMPLEMENTOR Screen Work Force Administration for circuit Complete performance testing Post order complete in Work Force Administration - Control Module	5 6 1	1.000 1.000 1.000			5.00 6.00 1.00	\$43.81 \$43.81 \$43.81	\$3.65 \$4.38 \$0.73
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR					12.00		\$8.76
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER  PROB #1 = occurrences  Issue service order  Populate required fields Customer Request Management (CRM)  Ensure order is successfully distributed to SOAC/SOP	5 3 3	1.000 1.000 1.000			5.00 3.00 3.00	\$39.16 \$39.16 \$39.16	\$3.26 \$1.96 \$1.96

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ungsessammen mengalanga sasa sasa ang ang ang ang M <b>ork Itam</b> (1965) ang ang ang ang ang ang ang ang ang ang	Time Minutes	Prob #1	Prob #2	Prob Prob #3 #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	<u> </u>	Ъ	F	G B * (C Thru F)	Н	I H * (G/60)
9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL (con't,							
Subtotal - INTERCONNECT SERVICE CENTER					11.00		\$7.
DESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .95) are pecent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.3
PCList Trunks Build and Validate Work Authorization (manual orders)	2	1.000 0.050	0.042 0.042		0.08 0.01	\$44.31 \$44.31	\$0.0 \$0.0
Build and Validate Work Authorization (mandat orders)	3	0.050	0.042		0.01	\$44.31 \$44.31	\$0.0 \$0.0
Build and verify circuit design (manual orders)	10	0.050	0.042		0.02	\$44.31	\$0. \$0.
Build and verify circuit design (mechanized orders)	2	0.950	0.042		0.02	\$44.31	\$0.
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.0
Subtotal - DESIGN SERVICE CENTER - DESIGNER			·		0.78		\$0.5
DESIGN SERVICE CENTER - IMPLEMENTOR							
Screen Work Force Administration - Control Module for order accuracy	5	1.000			5.00	\$43.81	\$3.€
Complete circuit in Work Force Administration - Control Module	5	1.000			5.00	\$43.81	\$3.6
ubtotal - DESIGN SERVICE CENTER - IMPLEMENTOR					10.00		\$7.3
Total For Service:					50.02		\$34.5

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Work them A	Time Winutee B	Prob #1	Prets #2 D	Prob #3 E	Prob Applied Time #4 (Minutes) F G	Labor Moss Cost
					B * (C Thru F)	H * (G/60)

#### 9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL (con't,

16967 Direct Coult		\$34.54
16968		0.71.04
16969	Cost Cost	
16970	Calculation Factor	Cost
16971	B C D	E
16972 Marketing & Business Fees		
16973 Product Management Expense	D16973*E16967 0.01995	7 \$0.69
16974 Sales Expense	D16974*E16967 0.01187	
16975 Product Advertising Expense	D16975*E16967 0.00000	
16976 Business Fees (Other Operating Taxes)	D16976*Sum(E16967:E16975) 0.00148	
16977 Total Marketing & Business Fees	Sum(E16967:E16976)	\$1.151
16978		<u> </u>
16979 Sub-Total Direct Cost & Marketing	E16967+E16977	\$35.69
16980		
16981 Other Direct Expenses		
16982 Network Operations	D16982*E16979 0.03483	2 \$1.24
16983 Network Support Assets	D16983*E16979 0.01470	3 \$0.52
16984 General Support Assets	D16984*E16979 0.08874	2 \$3.17
16985 General Purpose Computers	D16985*E16979 0.04334	2 \$1.55
16986 Uncollectible	D16986*E16979 0.00378	6 \$0.14
16987 Accounting & Finance Expense	D16987*E16979 0.00734	6 \$0.26
16988 Human Resources Expense	D16988*E16979 0.00829	4 \$0.30
16989 Information Management Expense	D16989*E16979 0.07088	7 \$2.53
16990 Intangibles	D16990*E16979 0.00000	
16991 Total Other Direct Expenses	Sum(E16982:E16990)	\$9.71
16992		
16993 TELRIC	E16982+E16991	\$45.40
16994	<del></del>	
16995 Common		
16996 Executive Expense	D16996*E16993 0.01126	7 \$0.51
16997 Planning Expense	D16997*E16993 0.00052	5 \$0.02
16998 External Relations Expense	D16998*E16993 0.03784	6 \$1.72
16999 Legal Expense	<b>D16999*E16993</b> 0.00471	7 \$0.21
17000 Other Procurement Expense	D17000*E16993 0.001860	
17001 Research & Development Expense	D17001*E16993 0.00000	
17002 Other General and Admin Expense	D17002*E16993 0.01506	
17003 Common Costs	Sum(E16996:E17002)	\$3.24
17004		
17005 TELRIC + Common Costs	E16993+E17003	\$48.63

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	me Vies	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor Atour	Cost
Ā	В	С	D E F	G B*(C Thru F)	H	H * (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT						
*ADD*						
-INTERCONNECT SERVICE CENTER						
Prob #1 = .05, .5, .60 probability of occurrences						
Reviews LSR for completeness and accuracy, contractual entries (analyze request to determine co-provider, type of order and installation option)						
Receive LSR	3	1.000		3.00	\$39.16	\$1.96
Verifies CFA or facility/circuit availability	2	0.050		0.10	\$39.16	\$0.07
Exchange info-Obtain Central Office, name, address and office type, Access Telephone						
Address Guide to obtain the central office address						
Exchange Info-Obtain Central Office	4	1.000		4.00	\$39.16	\$2.61
CPPD-lookup billing USOC's for co-provider	2	1.000		2.00	\$39.16	\$1.31
Summary Bill List-Look up BTN#, tax code, and Bill date	2	1.000		2.00	\$39.16	\$1.31
Determine if the end user has Qwest directory advertising	1	1.000		1.00	\$39.16	\$0.65
Determine if the end user has Qwest retail contract	1	1.000		1.00	\$39.16	\$0.65
Determine critical dates	1	1.000		1.00	\$39.16	\$0.65
If there is either directory advertising or a retail contract or both, issue the order to remove						
the information from the account. An estimate of 50% of the accounts will have these.	•	0.500		1.00	#00 1¢	60.65
Issue appropriate forms and/or orders  Populate required fields Customer Request management (CRM)	2 3	1.000		1.00 3.00	\$39.16 \$39.16	\$0.65 \$1.96
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000		3.00	\$39.16	\$1.96
input order into service order processor (manually typing and formatting of all orders for	3	1.000		5.00	ф33.10	φ1.50
hilling and provisioning)						
Issue service order	10	1.000		10.00	\$39.16	\$6.53
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000		3.00	\$39.16	\$1.96
includes handling calls from other departments working the order	5	0.600		3.00	\$39.16	\$1.96
Handling of problems on the LSR, provisiolning issues such as conditioning, facility problems					• •	
cable & pair, and typing problems handled by the center						
Error on Service order (ESOI)	5	0.050		0.25	\$39.16	\$0.16
Subtotal - INTERCONNECT SERVICE CENTER				37.35		\$24.38
-DESIGN SERVICE CENTER - DESIGNER						
Prob #1 = % of time manual handling is required						
Order Handling/screening	5	0.200		1.00	\$44.31	\$0.74
Generic Order Control order log	6	0.200		1.20	\$44.31	\$0.89
Enter Work Authorization mask	5	0.800		4.00	\$44.31	\$2.95
Circuit Design	30	1.000		30.00	\$44.31	\$22.16
Distribute Word Doc	2	0.900		1.80	\$44.31	\$1.33
Subtotal - DESIGN SERVICE CENTER - DESIGNER				38.00		\$28.06

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and the property of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commence of the commen	Time Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Minstee) F G	Lebor Plour	Cost
N	_	Ū		B * (C Thru F)	"	H * (Ġ/60)
				_ (=,		(3.00)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,						
DECICAL CEDVICE CENTED IMPLEMENTOD						
-DESIGN SERVICE CENTER - IMPLEMENTOR  Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
Screen Work Force Administration for circuit	5	0.042		0.21	\$43.81	\$0.15
Verify LNO completion	5	0.042		0.21	\$43.81	\$0.15
Set DS1 Trans. Opts in Switch and add TG members	20	0.042		0.84	\$43.81	\$0.61
Monitor performance testing	15	0.042		0.63	\$43.81	\$0.46
Notify co-provider of work completion	5	0.042		0.21	\$43.81	\$0.15
Post order complet in Work Force Administration - Control Module	10	0.042		0.42	\$43.81	\$0.31
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR				2.52		\$1.84
SUDJOUR - DESIGN SERVICE CENTER - IMPLEMENTOR	·········		····	2.52		\$1.04
-CENTRAL OFFICE TECHNICIAN						
Prob #1 = occurrences						
Analyze order	5	1.000		5.00	\$43.81	\$3.65
Complete cross connect	10	1.000		10.00	\$43.81	\$7.30
Perform conformance testing	15	1.000		15.00	\$43.81	\$10.95
Complete DD work status with CCT-I	3	1.000		3.00	\$43.81	\$2.19
Post DVA work complete in WFA-DI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN				35.00		\$25.56
-CORAC/DISPATCH CENTER						
Prob #1 = times						
Prob #2 = CRON'd failout (manual load)						
Screen Order	2	0.150		0.30	\$37.78	\$0.19
Load work request to Technician	5	0.150		0.75	\$37.78	\$0.47
Closeout work request with Technician	3	0.150		0.45	\$37.78	\$0.28
Subtotal - CORAC/DISPATCH CENTER			<del></del>	1.50		\$0.94
-NROC - COMPLEX TRANSLATIONS						
Translations for building PRI Trunk Groups						
Prob #1 = % of time this product requires complex translation work						
Prob #2 = % DMS switch type						
TABLE LTDEF	20	1.000	0.340	6.80	\$41.45	\$4.70
TABLE LTMAP	15	1.000	0.340	5.10	\$41.45	\$3.52
TABLE LTDATA	20	1.000	0.340	6.80	\$41.45	\$4.70
TABLE LTCALLS	25	1.000	0.340	8.50	\$41.45	\$5.87
TABLE IBNRTE	30	1.000	0.340	10.20	\$41.45	\$7.05
TABLE CIRTGRPS	25	1.000	0.340	8.50	\$41.45	\$5.87
TABLE OFRT	20	1.000	0.340	6.80	\$41.45	\$4.70
TABLE DNROUTE	20	1.000	0.340	6.80	\$41.45	\$4.70

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob Prob Applied Time  #3 #4 (Minutes)	Labor Mour	Cost
A	В	С	D	E F G B*(CThruF)	Н	H * (G/60)
				B (0 (11107)		H (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,						
Subtotal - NROC - COMPLEX TRANSLATIONS				59.50		\$41.10
-COMPLEX TRANSLATIONS						
Translations for building PRI Trunk Groups						
Prob #1 = % of time this product requires complex translation work						
Prob #2 = % DMS switch type	0.5	4.000	0.040	44.00		
TABLE TRKGRP TABLE TRKSGRP	35 30	1.000 1.000	0.340 0.340	11.90 10.20	\$41.45 \$41.45	\$8.22
TABLE TRASGRY	30	1.000	0.340	10.20	\$41.45	\$7.05
Subtotal - COMPLEX TRANSLATIONS				22.10		\$15.27
-COMPLEX TRANSLATIONS						
Prob #1 = % of time this product requires complex translations for a						
DEDICATED PRI - 23B+D CONFIGURATION - 5E						
Prob #2 = % 5E switch type	40	4 000		2.22		
PRI interface group per D Channel	10 35	1.000 1.000	0.660 0.660	6.60	\$41.45 \$41.45	\$4.56 \$15.96
D Channel Trunk Group Per B Channel Trunk Group	35 140	1.000	0.660	23.10 92.40	\$41.45 \$41.45	\$15.96 \$63.83
Per Route Index	45	1.000	0.660	29.70	\$41.45	\$20.52
Alernate RI for data	45	1.000	0.660	29.70	\$41.45	\$20.52
Subtotal - COMPLEX TRANSLATIONS				181.50		\$125.39
-COMPLEX TRANSLATIONS - INPUT						
Prob #1 = % of time this product requires complex translations for a						
DEDICATED PRI - 23B+D CONFIGURATION - 5E						
Prob #2 = % 5E switch type						
PRI interface group per D Channel	5	1.000	0.660	3.30	\$41.45	\$2.28
D Channel Trunk Group	25	1.000	0.660	16.50	\$41.45	\$11.40
Per B Channel Trunk Group	100 30	1.000 1.000	0.660 0.660	66.00	\$41.45	\$45.60
Per Route Index Alternate RI for data	30 30	1.000	0.660	19.80 19.80	\$41.45 \$41.45	\$13.68 \$13.68
Subtotal - COMPLEX TRANSLATIONS - INPUT				125.40		\$86.63
SUBIORAL - COMPLEX TRANSLATIONS - INPUT				125.40		\$00.03
-RCMAC						
1st probability is % by switch type		0.000			***	
CALLING NUMBER IDENTIFICATION - 5E	1	0.660 0.340		0.66	\$43.81 \$43.81	\$0.48
CALLING NUMBER IDENTIFICATION - DMS CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.340		0.34 0.66	\$43.81 \$43.81	\$0.25 \$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.340		0.00	\$43.81	\$0.46 \$0.25
CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - INPUT - DMS	10	0.340		3.40	\$43.81	\$2.48
CALLING NUMBER IDENTIFICATION BLOCKING - ALL CALLS - DESIGN - DMS	5	0.340		1.70	\$43.81	\$1.24

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Sizile. South Dakota						
Work hem	Time Minutes	Prot #1	Prob Prob Prob (	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	Ċ	D E F	G 3 * (C Thru F)	H	l H * (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,			_	(= ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(0.00)
• •						
B CHANNEL CIRCUIT SWITCHED DATA - 5E B CHANNEL CIRCUIT SWITCHED DATA - DMS	8 8	0.660 0.340		5.28 2.72	\$43.81 \$43.81	\$3.8 \$1.9
Subtotal - RCMAC			·· <del>··</del>	15,10		\$11.0
DISCONNECT*	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<del></del>	13.10		
<u>DISCONNEC!</u>						
INTERCONNECT SERVICE CENTER	_					
Receive LSR	3	1.000		3.00	\$39.16	\$1.9
Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address	2	1.000 1.000		2.00 2.00	\$39.16	\$1.5
Type, review and submit to customer the Firm Order Confirmation (FOC) Issue service order	2 10	1.000		10.00	\$39.16 \$39.16	\$1.3 \$6.5
Populate required fields Customer Request management (CRM)	3	1.000		3.00	\$39.16	\$0.3 \$1.9
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000		3.00	\$39.16	\$1.9
Subtotal - INTERCONNECT SERVICE CENTER	<del></del>			23.00		\$15.0
DESIGN SERVICE CENTER - DESIGNER						
Prob #1 = % of time manual handling is required	-	0.100		0.50	644.04	60.6
Order handling/screening Generic Order Control order log	5	0.100 0.100		0.50 0.60	\$44.31 \$44.31	\$0.3 \$0.4
Enter Work Authorization mask	5	0.100		0.50	\$44.31	\$0.4 \$0.5
Disconnect Circuit	5	0.100		0.50	\$44.31	\$0.3
Distribute Word Doc	2	0.100		0.20	\$44.31	\$0. \$0.
Subtotal - DESIGN SERVICE CENTER - DESIGNER				2.30		\$1.7
DESIGN SERVICE CENTER - IMPLEMENTOR						
Prob #1 = .042 represents 1/24 of a trunk group. Assumes 24 trunks per order						
Screen Work Force Administration for circuit	5	0.042		0.21	\$43.81	\$0.1
Contact co-provider	5	0.042		0.21	\$43.81	\$0.1
Complete circuit in Work Force Administration - Control Module	5	0.042		0.21	\$43.81	\$0.1
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR	<u>.</u>	<u></u>		0.63		\$0.4
CENTRAL OFFICE TECHNICIAN						
Prob #1 = occurrences						
Analyze order	5	1.000		5.00	\$43.81	\$3.6
Remove Cross Connect	2.3	1.000		2.30	\$43.81	\$1.6
Complete order in Work Force Administration - Dispatch In Module	2	1.000		2.00	\$43.81	\$1.4
Subtotal - CENTRAL OFFICE TECHNICIAN	<del></del>			9.30		\$6.79
			<del></del>	<del></del>		

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Wo≰ten A	Time Minutes B	Prob #1 C	Prob Prob Prob Prob Prob Prob Prob Prob	3 #4 (Minutes) F G	Labor Mout H	Cost
				B * (C Thru F)		H * (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,						
-COMPLEX TRANSLATIONS  Prob #1 = % of time this product requires complex translations for a  DEDICATED PRI - 23B+D CONFIGURATION - 5E  2nd probability is % by switch type						
PRI interface group per D Channel	5	1.000	0.660	3.30	\$41.45	\$2.28
D Channel Trunk Group	10	1.000	0.660	6.60	\$41.45	\$4.56
Per B Channel Trunk Group	40	1.000	0.660	26.40	\$41.45	\$18.24
Per Route Index	15	1.000	0.660	9.90	\$41.45	\$6.84
Alternate RI for data	15	1.000	0.660	9.90	\$41.45	\$6.84
Subtotal - COMPLEX TRANSLATIONS				56.10		\$38.76
-COMPLEX TRANSLATIONS - INPUT Prob #1 = % of time this product requires complex translations for a DEDICATED PRI - 23B+D CONFIGURATION - 5E 2nd probability is % by switch type PRI interface group per D Channel D Channel Trunk Group Per B Channel Trunk Group	5 5 20	1.000 1.000 1.000	0.660 0.660 0.660	3.30 3.30 13.20	\$41.45 \$41.45 \$41.45	\$2.28 \$2.28 \$9.12
Per Route Index	15	1.000	0.660	9.90	\$41.45	\$6.84
Alternate RI for data	15	1.000	0.660	9.90	\$41.45	\$6.84
Subtotal - COMPLEX TRANSLATIONS - INPUT				39.60		\$27.36
-RCMAC 1st probability is % by switch type			<del>-</del> -		,	<del>_</del>
CALLING NUMBER IDENTIFICATION - 5E	1	0.660		0.66	\$43.81	\$0.48
CALLING NUMBER IDENTIFICATON - DMS CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.340 0.660		0.34 0.66	\$43.81 \$43.81	\$0.25 \$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DRS	1	0.340		0.86	\$43.81	\$0.48 \$0.25
B CHANNEL CIRCUIT SWITCHED DATA - 5E	i	0.660		0.66	\$43.81	\$0.48
B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.340		0.34	\$43.81	\$0.25
Subtotal - RCMAC				3.00		\$2.19
Total For Service:						\$452.46

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Work item A	Time Minutes B	Prob #1 C	COMORORGE SUCCESSION CONTRACTOR	7rab Prob 83 #4 E F		Labor Moin Cost H
					B * (C Thru F)	H * (G/60)

### 9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,

17007 15 445			Section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio
17237 Direct Cost 17238			\$452.48
17239	Cost	Cost	
17240	Calculation	Factor	Cost
17241	В С	D	E
17242 Marketing & Business Fees	<u> </u>	•	
17243 Product Management Expense	D17243*E17237	0.019957	\$9.03
17244 Sales Expense	D17244*E17237	0.013937	\$5.37
17245 Product Advertising Expense	D17245*E17237	0.000000	\$0.00
17246 Business Fees (Other Operating Taxes)	D17246*Sum(E17237;E17245)	0.001483	\$0.69
17247 Total Marketing & Business Fees	Sum(E17237:E17246)	0.001403	\$15.10
17247 Total Marketing & Business Fees	30III(E ) 7237. E 17240)		\$15.10
17249 Sub-Total Direct Cost & Marketing	E17237+E17247	<del></del>	\$467.55
17250	E17237+E17247		\$407.33
17250 Other Direct Expenses			
17251 Other Direct Expenses 17252 Network Operations	D17252*E17249	0.034832	\$16.29
17252 Network Operations 17253 Network Support Assets	D17252*E17249	0.034832	\$6.87
17254 General Support Assets	D17253*E17249	0.088742	\$41,49
17255 General Purpose Computers	D17255*E17249	0.043342	\$20.26
17256 Uncollectible	D17256*E17249	0.003786	\$20.20
17256 Oncollectible 17257 Accounting & Finance Expense	D17257*E17249	0.003766	\$3.43
17257 Accounting & Finance Expense	D17258*E17249	0.007346	\$3.43 \$3.88
	D17259*E17249	0.008294	
17259 Information Management Expense			\$33.14
17260 Intangibles	D17260*E17249	0.000000	\$0.00
17261 Total Other Direct Expenses	Sum(E17252:E17260)		\$127.14
17262 TELRIC	E17252+E17261		0504 70
	E1/252+E1/261		\$594.70
17264			
17265 Common			
17266 Executive Expense	D17266*E17263	0.011267	\$6.70
17267 Planning Expense	D17267*E17263	0.000525	\$0.31
17268 External Relations Expense	D17268*E17263	0.037846	\$22.51
17269 Legal Expense	D17269*E17263	0.004717	\$2.81
17270 Other Procurement Expense	D17270*E17263	0.001860	\$1.11
17271 Research & Development Expense	D17271*E17263	0.000006	\$0.00
17272 Other General and Admin Expense	D17272*E17263	0.015064	\$8.96
17273 Common Costs	Sum(E17268:E17272)		\$42.39
17274			
17275 TELRIC + Common Costs	E17263+E17273		\$637.09

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Siale. South Dakola					
T	line	Prob Prob	Prob Prob Appiled Time	Labor	
	nules	#1 #2	#3 #4 (Ministee)	Hour	Cost
Ā	В	C D	E F G	Н	I
**************************************		-	B * (C Thru F)	• •	H * (G/60)
			,,		, ,
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY					
*ADD*					
-INTERCONNECT SERVICE CENTER					
Prob #1 = .05, .5, .60 probability of occurrences					
Reviews LSR for completeness and accuracy, contractual entries (analyze request to					
determine co-provider, type of order and installation option)					
Receive LSR	3	1.000	3.00	\$39.16	\$1.96
Verifies CFA or facility/circuit availability	2	0.050	0.10		\$0.07
Exchange Info-Obtain Central Office, name, address and office type, Access Telephone	_	0.030	0.10	φυ <del>σ</del> . 10	ψ0.07
Address Guide to obtain the central office address					
Exchange Info-Obtain Central Office	4	1.000	4.00	\$39.16	\$2.61
CPPD-lookup billing USOC's for co-provider	2	1.000	2.00		\$1.31
Summary Bill List-Look up BTN#, tax code, and Bill date	2	1.000	2.00	·	\$1.31
Determine if the end user has Qwest directory advertising	ī	1.000	1.00	\$39.16	\$0.65
Determine if the end user has Qwest retail contract	i	1.000	1.00	\$39.16	\$0.65
Determine critical dates	i i	1.000	1.00	\$39.16	\$0.65
If there is either directory advertising or a retail contract or both, issue the order to remove		1.000	1.00	Ψ00.10	ψ
the information from the account. An estimate of 50% of the accounts will have these.					
issue appropriate forms and/or orders	2	0.500	1.00	\$39.16	\$0.65
Populate required fields Customer Request management (CRM)	3	1.000	3.00	\$39.16	\$1.96
Type, review and submit to customer the Firm Order Confirmation (FOC)	š	1,000	3.00		\$1.96
input order into service order processor (manually typing and formatting of all orders for	J	1.000	0.00	ψου. το	ψ1.50
billing and provisioning)					
Issue service order	10	1.000	10.00	\$39.16	\$6.53
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000	3.00	\$39.16	\$1.96
Includes handling calls from other departments working the order	5	0.600	3.00	\$39.16	\$1.96
Handling of problems on the LSR, provisioining issues such as conditioning, facility problems	•	0.000	0.00	φοσ.10	Ψ1.50
cable & pair, and typing problems handled by the center					
Error on Service order (ESOI)	5	0.050	0.25	\$39.16	\$0.16
2.10. 01. 00.100 0.001 (2001)	-	5,055	\$. <u></u>	•••	42.10
Subtotal - INTERCONNECT SERVICE CENTER			37.35		\$24.38
-DESIGN SERVICE CENTER - DESIGNER					
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.					1.
Log and Verify Facility (manual orders)	45	0.050	2.25	\$44.31	\$1.66
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	.6	0.050	0.30	\$44.31	\$0.22
Build and verify Circuit Design (CD) (manual orders)	15	0.200	3.00	\$44.31	\$2.22
Distribute Documents	4	1.000	4.00	\$44.31	\$2.95
Log and Verify Facility (mechanzied orders)	25	0.950	23.75	\$44.31	\$17.54
Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders)	3	0.950	2.85	\$44.31	\$2.10
Build and verify Circuit Design (CD) (mechanized orders)	5	0.800	4.00	\$44.31	\$2.95

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Work them	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
Ä	В	С	D E F	G B * (C Thru F)	н	I H * (G/60)
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,				, ,		, ,
Subtotal - DESIGN SERVICE CENTER - DESIGNER				40.15		\$29.6
-DESIGN SERVICE CENTER - IMPLEMENTOR						
Prob #1 = occurrences						
Screen Work Force Authorization for circuit	5	1.000		5.00	\$43.81	\$3.6
Verify Local Network Operations for completion	5	1.000		5.00	\$43.81	\$3.6
Monitor performance testing	15	1.000		15.00	\$43.81	\$10.9
Nortify co-provider of work completion	5	1.000		5.00	\$43.81	\$3.6
Post order complete in Work Force Administration - control Module	10	1.000		10.00	\$43.81	\$7.3
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR				40.00		\$29.2
-CORAC/DISPATCH CENTER						
Prob #1 = times						
Prob #2 = CRON'd fallout (manual load)						
Screen Order	2	0.150		0.30	\$37.78	\$0.1
Load work request to Technician	5	0.150		0.75	\$37.78	\$0.4
Closeout work request with Technician	3	0.150		0.45	\$37.78	\$0.28
Subtotal - CORAC/DISPATCH CENTER				1.50		\$0.94
-CENTRAL OFFICE TECH			•			
Prob #1 = occurrences						
Analyze order	5	1.000		5.00	\$43.81	\$3.69
Complete cross connect	10	1.000		10.00	\$43.81	\$7.30
Perform conformance testing	15	1.000		15.00	\$43.81	\$10.9
Complete DD work status with CCT-I	3	1.000		3.00	\$43.81	\$2.19
Post DVA work complete in WFA-DI	2	1.000		2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE TECH				35.00		\$25.56
*DISCONNECT*						
-INTERCONNECT SERVICE CENTER						
Prob #1 = Occurrences						
Receive LSR	3	1.000		3.00	\$39.16	\$1.96
Verifies existing account (access CSR in BOSS/CARS) and obtains closing bill address	2	1.000		2.00	\$39.16	\$1.3
Type, review and submit to customer the Firm Order Confirmation (FOC)	2	1.000		2.00	\$39.16	\$1.31
Issue service order	10	1.000		10.00	\$39.16	\$6.53
Populate required fields Customer Request management (CRM)	3	1.000		3.00	\$39.16	\$1.96
Ensure order is successfully distributed to the systems and is ready for provisioning (SOAC/SOP)	3	1.000		3.00	\$39.16	\$1.96
Subtotal - INTERCONNECT SERVICE CENTER		<del></del>	<del></del>	23.00		\$15.01

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Work Item	Time Minutes	Prob #1	Preb	Prob Prob	Applied Time (Minutes)	Labor Mour	
X	В	Ċ	Ď	E F	G B*(C Thru F)	H	
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,					C (0 111121)		11 (Ca 00)
-DESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .95) are pecent orders worked manual versus mechanized.							
Log and Verify Facility (manual orders)	8	0.050			0.40	\$44.31	\$0.30
Build and validate design related info and Work Authorization (manual orders)	5	0.050			0.25	\$44.31	\$0.18
Build and verify circuit design (manual orders)	3	0.050			0.15	\$44.31	\$0.11
Distribute Documents	2	1.000			2.00	\$44.31	\$1.48
Log and Verify Facility (mechanzied orders)	3	0.950			2.85	\$44.31	\$2.10
Build and validate design related info and Work Authorization (mechanized orders)	2	0.950			1.90	\$44.31	\$1.40
Build and verify circuit design mechanized orders)	2	0.950			1.90	\$44.31	\$1.40
Subtotal - DESIGN SERVICE CENTER - DESIGNER					9.45		\$6.98
-DESIGN SERVICE CENTER - IMPLEMENTOR							_
Prob #1 = occurrences							
Screen Work Force Authorization for order accuracy	5	1.000			5.00	\$43.81	\$3.65
Contact Co-Provider	5	1.000			5.00	\$43.81	\$3.65
Complete circuit in Work Force Administration/control Module	5	1.000			5.00	\$43.81	\$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR					15.00		\$10.95
SUDJOBS - DESIGN SERVICE CENTER - IMPLEMENTUR					75.00		\$10.55
-CENTRAL OFFICE TECH							
Prob #1 = occurrences							
Analyze order	5	1.000			5.00	\$43.81	\$3.65
Remove Cross connect	5	1.000			5.00	\$43.81	\$3.65
Complete Order in Work Force Administration - Dispatch In Module	2	1.000			2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE TECH					12.00		\$8.76
Total For Service:					213.45		\$151.44
							<u> </u>

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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Work Hen A	Tin Minu B	ie Prob See #1 C	<b>Pres</b> #2 D	Prob Applied Time #4 (Minstes) F G	Lebor Mour Cost
				B * (C Thru F)	H * (G/60)

## 9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,

			80ssacr nr. x - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
17417 Direct Cost. 17418			\$151.44
17419	Cost	Cost	
17420	Calculation	Fector	Cost
17421	B C	D	E
17422 Marketing & Business Fees		-	
17423 Product Management Expense	D17423*E17417	0.019957	\$3.02
17424 Sales Expense	D17424*E17417	0.019957	\$3.02 \$1.80
17425 Product Advertising Expense	D17425*E17417	0.000000	\$0.00
17426 Business Fees (Other Operating Taxes)	D17426*Sum(E17417:E17425)	0.001483	\$0.00
17420 Business Fees (Officer Operating Laxes)	Sum(E17417:E17425)	0.001463	\$5.05
17428			\$5.05
17429 Sub-Total Direct Cost & Marketing	E17417+E17427		\$156.49
17430	BUALLELIAEL		\$100.43
17431 Other Direct Expenses			
17432 Network Operations	D17432*E17429	0.034832	\$5.45
17433 Network Support Assets	D17433*E17429	0.014703	\$2.30
17434 General Support Assets	D17434*E17429	0.088742	\$13.89
17435 General Purpose Computers	D17435*E17429	0.043342	\$6.78
17436 Uncollectible	D17436*E17429	0.003786	\$0.70
17437 Accounting & Finance Expense	D17437*E17429	0.007346	\$1.15
17438 Human Resources Expense	D17438*E17429	0.008294	\$1.30
17439 Information Management Expense	D17439*E17429	0.070887	\$11.09
17440 Intangibles	D17440*E17429	0.000000	\$0.00
17441 Total Other Direct Expenses	Sum(E17432:E17440)	0.000000	\$42.56
17442			
17443 TELRIC	E17432+E17441		\$199.05
17444			
17445 Common			
17446 Executive Expense	D17446*E17443	0.011267	\$2.24
17447 Planning Expense	D17447*E17443	0.000525	\$0.10
17448 External Relations Expense	D17448*E17443	0.037846	\$7.53
17449 Legal Expense	D17449*E17443	0.004717	\$0.94
17450 Other Procurement Expense	D17450*E17443	0.001860	\$0.37
17451 Research & Development Expense	D17451*E17443	0.000006	\$0.00
17452 Other General and Admin Expense	D17452*E17443	0.015064	\$3.00
17453 Common Costs	Sum(E17446:E17452)		\$14.19
17454			
17455 TELRIC + Common Costs	E17443+E17453		\$213.24

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	Time	Prob	Prob	Prob Prob		Labor	
Work /him A	Minutes B	C C	#2 D	KO MA	(Minutee) G	/Hout	Cost
					B * (C Thru F)		H * (G/60)
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST							
• •							
* <u>ADD*</u>							
-INTERCONNECT SERVICE CENTER							
Prob #1 = occurrence	-	4 000			F 00	000.40	<b>#0.00</b>
Analysis of request	5 2	1.000 1.000			5.00 2.00	\$39.16 \$39.16	\$3.26 \$1.31
Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface Validate Switch Location	10	1.000			10.00	\$39.16	\$6.53
Obtain Trunk group number and Route Index number	20	1.000			20.00	\$39.16	\$13.05
Obtain Tele # DID # Blocks	10	1.000			10.00	\$39.16	\$6.53
Determine Critical Dates	5	1.000			5.00	\$39.16	\$3,26
Confirm (Firm Order Confirmation) Local Service Request	5	1.000			5.00	\$39.16	\$3.26
Check for Service order Access Controller errors	5	1.000			5.00	\$39.16	\$3.26
Order completion	5	1.000			5.00	\$39.16	\$3.26
Issue Service Order	15	1.000			15.00	\$39.16	\$9.79
Subtotal - INTERCONNECT SERVICE CENTER					82.00		\$53.52
-DESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.	40	4 000	0.040		0.40	044.01	00.04
Order handling and screening	10 10	1.000	0.042 0.042		0.42	\$44.31 \$44.31	\$0.31
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	4	0.050 0.950	0.042		0.02 0.16	\$44.31	\$0.02 \$0.12
Buid and validate Design Related Info (DRI) and Work Authorization (mechanized orders) Build and verify Circuit Design (CD) (manual orders)	15	0.950	0.042		0.18	\$44.31	\$0.12 \$0.02
Build and verify Circuit Design (CD) (mandar orders)  Build and verify Circuit Design (CD) (mechanized orders)	3	0.950	0.042		0.12	\$44.31	\$0.02
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.06
Perform TAS (Trunk Assignment System) Functions	15	0.750	0.042		0.47	\$44.31	\$0.35
PCList Trunks	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN SERVICE CENTER - DESIGNER					1.39		\$1.03
	<del> </del>			<del></del>			
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP							
Prob #1 = .50 probability is % orders establishing a new trunk group							An
Assign Trunk Group number	10	0.500			5.00	\$41.45	\$3.45
Analyze ASR/TQ	10 20	0.500 0.500			5.00 10.00	\$41.45 \$41.45	\$3.45 \$6.91
Build New Trunk Group	20	0.500				<b>ֆ41.4</b> 5	,
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUF					20.00		\$13.82
-NROC - COMPLEX TRANSLATIONS - ROUTE INDEX							
Prop #1 = .50 probability is % orders establishing a new trunk group							
Assign Route Index	10	0.500			5.00	\$41.45	\$3.45

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Work item	Tima Minutes	Prob #1	#2	rab Frab R3 #4	Applied Time (Minutes)	Labor Alour	Cost
A	В	C	<u> </u>	E F	G B*(C Thru F)	"H	I H * (G/60)
11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST (con't;							
btotal - NROC - COMPLEX TRANSLATIONS - ROUTE INDEX				· · · · · · · · · · · · · · · · · · ·	5.00		\$3.4
ROC - COMPLEX TRANSLATIONS - TESTING							
Prob #1 = .50 probability is % orders establishing a new trunk group							
Perform Test Call	5	0.500			2.50	\$41.45	\$1.7
Complete work item in work Force Administration - Dispatch In	5	0.500			2.50	\$41.45	\$1.
btotal - NROC - COMPLEX TRANSLATIONS - TESTING					5.00		<b>\$3</b> .
SCONNECT*							
TERCONNECT SERVICE CENTER							
Prob #1 = occurrence							
Analysis of request	5	1.000			5.00	\$39.16	\$3.
Verify existing account activity	2	1.000			2.00	\$39.16	\$1.
Check for Service order Access Controller errors	5	1.000			5.00	\$39.16	\$3
Order completion	5	1.000			5.00	\$39.16	\$3
Issue Service Order	5	1.000			5.00	\$39.16	\$3.
btotal - INTERCONNECT SERVICE CENTER					22.00		\$14.
ESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .95) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.
PCList Trunks  Puild and Malidate Mark Authorization (manual orders)	2	1.000 0.050	0.042		0.08	\$44.31	\$0
Build and Validate Work Authorization (manual orders) Build and Validate Work Authorization (mechanized orders)	5 2	0.050 0.950	0.042 0.042		0.01 0.08	\$44.31 \$44.31	\$0.
Build and varify Circuit Design (CD) (manual orders)	10	0.950	0.042		0.08	\$44.31 \$44.31	\$0. \$0.
Build and verify Circuit Design (CD) (maridal orders)  Build and verify Circuit Design (CD) (mechanized orders)	2	0.950	0.042		0.02	\$44.31	\$0. \$0.
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.
ototal - DESIGN SERVICE CENTER - DESIGNER	<del></del>				0,78		\$0.
si For Service:					136.17		\$90.

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Work hem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob Applied Time #4 (Minutes) F G		Cost
					B * (C Thru F)	) H*	(G/60)

# 9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST (con't,

17552 Direct Cost			\$90.21
17553			ψ <del>ο</del> υ.c
17554	Cost	Cost	
17555	Calculation	Factor	Cost
17556	B C	10	₽
17557 Marketing & Business Fees		-	
17558 Product Management Expense	D17558*E17552	0.019957	\$1.80
17559 Sales Expense	D17559*E17552	0.011877	\$1.07
17560 Product Advertising Expense	D17560*E17552	0.000000	\$0.00
17561 Business Fees (Other Operating Taxes)	D17561*Sum(E17552;E17560)	0.001483	\$0.14
17562 Total Marketing & Business Fees	Sum(E17552:E17561)		\$3.01
17563			
17564 Sub-Total Direct Cost & Marketing	E17552+E17562		\$93.22
17565			
17566 Other Direct Expenses			
17567 Network Operations	D17567*E17564	0.034832	\$3.25
17568 Network Support Assets	D17568*E17564	0.014703	\$1.37
17569 General Support Assets	D17569*E17564	0.088742	\$8.27
17570 General Purpose Computers	D17570*E17564	0.043342	\$4.04
17571 Uncollectible	D17571*E17564	0.003786	\$0.35
17572 Accounting & Finance Expense	D17572*E17564	0.007346	\$0.68
17573 Human Resources Expense	D17573*E17564	0.008294	\$0.77
17574 Information Management Expense	D17574*E17564	0.070887	\$6.61
17575 Intangibles	D17575*E17564	0.000000	\$0.00
17576 Total Other Direct Expenses	Sum(E17567:E17575)		\$25.35
17577			
17578 TELRIC	E17567+E17576		\$118.56
17579			
17580 Common			
17581 Executive Expense	D17581*E17578	0.011267	\$1.34
17582 Planning Expense	D17582*E17578	0.000525	\$0.06
17583 External Relations Expense	D17583*E17578	0.037846	\$4.49
17584 Legal Expense	D17584*E17578	0.004717	\$0.56
17585 Other Procurement Expense	D17585*E17578	0.001860	\$0.22
17586 Research & Development Expense	D17586*E17578	0.000006	\$0.00
17587 Other General and Admin Expense	D17587*E17578	0.015064	\$1.79
17588 Common Costs	Sum(E17581:E17587)		\$8.45
17589			
17590 TELRIC + Common Costs	E17578+E17588		\$127.02

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	Time	Prob	Preti	Proti Proti	Applied Time	Labor	
Work them	Minutes B	#f	#2 D	#3 #4 F F	(Minotes)	<i>Hour</i>	Cost
,,	_	Ū	-	•	B * (C Thru F)	••	H * (G/60)
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL							
*ADD*							
-INTERCONNECT SERVICE CENTER							
Prob #1 = occurrences							
Validate connecting Facilities Arrangement	0.25	1.000			0.25	\$39.16	\$0.16
Obtain Tele#/DID number blocks Order completion	10 5	0.500 1.000			5.00 5.00	\$39.16 \$39.16	\$3.26 \$3.26
Check for Service Order Analysis & Control errors	5	1.000			5.00	\$39.16	\$3.26 \$3.26
Issue Service Order	š	1.000			3.00	\$39.16	\$1.96
						******	•
Subtotal - INTERCONNECT SERVICE CENTER					18.25		\$11.91
-DESIGNER							
Prob 1 (.05, .20, .95, .80) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.31
Build and validate Design Related Info (DRI) and Work Authorization (manual orders)	10	0.050	0.042		0.02	\$44.31	\$0.02
Build and validate Design Related Info (DRI) and Work Authorization (mechanized orders)	4	0.950	0.042		0.16	\$44.31	\$0.12
Build and verify Circuit Design (CD) (manual orders)	15	0.050	0.042		0.03	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mechanized orders)	3 2	0.950	0.042		0.12	\$44.31	\$0.09
Distribute Documents	2 15	1.000 0.750	0.042 0.042		0.08 0.47	\$44.31 \$44.31	\$0.06 \$0.35
Perform TAS (Trunk Assignment System) Functions PCList Trunks	2	1.000	0.042		0.47	\$44.31 \$44.31	\$0.35 \$0.06
POLISI (TUTIKS	2	1.000	0.042		0.00	<del>944</del> .51	φυ.υσ
Subtotal - DESIGNER					1.39		\$1.03
*DISCONNECT*							
-INTERCONNECT SERVICE CENTER							
Prob #1 = occurrences							
Check for Service Order Analysis & Control errors	5	1.000			5.00	\$39.16	\$3.26
Order completion	5	1.000			5.00	\$39.16	\$3.26
Issue Service Order	3	1.000			3.00	\$39.16	\$1.96
Subtatal - INTERCONNECT SERVICE CENTER					13.00	<del></del>	\$8.48
-DESIGN SERVICE CENTER - DESIGNER							
Prob 1 (.05, .95) are percent orders worked manual versus mechanized.							
.042 represents 1/24 of a trunk group. Assumes 24 trunks per order.							
Order handling and screening	10	1.000	0.042		0.42	\$44.31	\$0.31
PCList Trunks	2	1.000	0.042		0.08	\$44.31	\$0.06
Build and Validate Work Authorization (manual orders)	5	0.050	0.042		0.01	\$44.31	\$0.01

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Work Item	Time Minutes	Prob #1	Prob #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	Б	E F	G B*(C Thru F)	Н	H * (G/60)
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL (con't)							
Build and Validate Work Authorization (mechanized orders)	2	0.950	0.042		0.08	\$44.31	\$0.06
Build and verify Circuit Design (CD) (manual orders)	10	0.050	0.042		0.02	\$44.31	\$0.02
Build and verify Circuit Design (CD) (mechanized orders)	2	0.950	0.042		0.08	\$44.31	\$0.06
Distribute Documents	2	1.000	0.042		0.08	\$44.31	\$0.06
Subtotal - DESIGN SERVICE CENTER - DESIGNER					0.78		\$0.58
Total For Service:					33.42		\$22.00

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n Parkera (1990), particular de mantara de marco de <b>Work hem</b> de la 2003 de marco de marco de marco.	Time Minutes	Prob #1	Proto #2			Lebor Mour Cost
	В	- с -	. D	E	G	H
					B * (C Thru F)	H * (G/60)

### 9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL (con't,

17687 Direct Cost			\$22.00
17688			
17689	Cost	Cost	
17690	Calculation	Factor	Cost
17691	B C	Ð	
17692 Marketing & Business Fees			
17693 Product Management Expense	D17693*E17687	0.019957	\$0.44
17694 Sales Expense	D17694*E17687	0.011877	\$0.26
17695 Product Advertising Expense	D17695*E17687	0.000000	\$0.00
17696 Business Fees (Other Operating Taxes)	D17696*Sum(E17687:E17695)	0.001483	\$0.03
17697 Total Marketing & Business Fees	Sum(E17687:E17696)		\$0.73
17698			
17699 Sub-Total Direct Cost & Marketing	E17687+E17697		\$22.73
17700			
17701 Other Direct Expenses			
17702 Network Operations	D17702*E17699	0.034832	\$0.79
17703 Network Support Assets	D17703*E17699	0.014703	\$0.33
17704 General Support Assets	D17704*E17699	0.088742	\$2.02
17705 General Purpose Computers	D17705*E17699	0.043342	\$0.99
17706 Uncollectible	D17706*E17699	0.003786	\$0.09
17707 Accounting & Finance Expense	D17707*E17699	0.007346	\$0.17
17708 Human Resources Expense	D17708*E17699	0.008294	\$0.19
17709 Information Management Expense	D17709*E17699	0.070887	\$1.61
17710 Intangibles	D17710*E17699	0.000000	\$0.00
17711 Total Other Direct Expenses	Sum(E17702:E17710)		\$6.18
17712			
17713 <b>TELRIC</b>	E17702+E17711		\$28.92
17714			
17715 Common			
17716 Executive Expense	D17716*E17713	0.011267	\$0.33
17717 Planning Expense	D17717*E17713	0.000525	\$0.02
17718 External Relations Expense	D17718°E17713	0.037846	\$1.09
17719 Legal Expense	D17719*E17713	0.004717	\$0.14
17720 Other Procurement Expense	D17720*E17713	0.001860	\$0.05
17721 Research & Development Expense	D17721*E17713	0.000006	\$0.00
17722 Other General and Admin Expense	D17722*E17713	0.015064	\$0.44
17723 Common Costs	Sum(E17716:E17722)		\$2.06
17724			
17725 TELRIC + Common Costs	E17713+E17723		\$30.98

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Total For Service:

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240.00

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\$227.88

Work Item A	Time Minutes B	Prob #1 C	Prob Prob Prob 82 83 84 D E F	Applied Time (Minute) G B * (C Thru F)	Labor Mour H	Ecet   
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC						
*ADD*						
-ACCOUNT MANAGER ISSUE FORMS/TECH SUPPORT	120	1.000		120.00	\$56.97	\$113.94
Subtotal - ACCOUNT MANAGER		<del></del>		120.00		\$113.94
-CT TECHNICAL SUPPORT PROVISION FORMS	120	1.000		120.00	\$56.97	\$113.94
Subtotal - CT TECHNICAL SUPPORT				120.00		\$113.94

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Work them A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Prob #9 #4 E F		Labor Mour Cost H
					B * (C Thru F)	H * (G/60)

## CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC (con't)

17777 Direct Cost		\$22	7.88
17778	andede86 "Alvays variations entitle survivarion memoribies (antition) vari	TO MERCHANISM WITHOUT AND AND AND AND AND AND AND AND AND AND	1200hanno
17779	Cost Co	*******************	
17780	Calculation Fact		
17781		E	
17782 Marketing & Business Fees			
17783 Product Management Expense			4.55
17784 Sales Expense			2.71
17785 Product Advertising Expense	<del>-</del>		0.00
17786 Business Fees (Other Operating Taxes)			0.35
17787 Total Marketing & Business Fees	Sum(E17777:E17786)	\$7	7.60
17788			
17789 Sub-Total Direct Cost & Marketing	E17777+E17787	\$235	5.48
17790			
17791 Other Direct Expenses			
17792 Network Operations	D17792*E17789 0.0	34832 \$8	3.20
17793 Network Support Assets	D17793*E17789 0.0	14703 \$3	3.46
17794 General Support Assets	D17794*E17789 0.0	88742 \$20	0.90
17795 General Purpose Computers	<b>D17795*E17789</b> 0.0	43342 \$10	).21
17796 Uncollectible	D17796*E17789 0.0	03786 \$0	0.89
17797 Accounting & Finance Expense	D17797*E17789 0.0	07346 \$1	1.73
17798 Human Resources Expense	D17798*E17789 0.0	08294 \$1	1.95
17799 Information Management Expense	D17799*E17789 0.0	70887 \$16	6.69
17800 Intangibles	D17800*E17789 0.0	00000 \$0	0.00
17801 Total Other Direct Expenses	Sum(E17792:E17800)	\$64	04
17802			
17803 TELRIC	E17792+E17801	\$299	.52
17804			
17805 Common			
17806 Executive Expense	D17806*E17803 0.0	11267 \$3	3.37
17807 Planning Expense	D17807*E17803 0.0	00525 \$0	0.16
17808 External Relations Expense	D17808*E17803 0.0	37846 \$11	.34
17809 Legal Expense	<b>D17809*E17803</b> 0.0	04717 \$1	1.41
17810 Other Procurement Expense	<b>D17810*E17803</b> 0.0	01860 \$0	.56
17811 Research & Development Expense	<b>D17811*E17803</b> 0.0	00006 \$0	0.00
17812 Other General and Admin Expense	D17812*E17803 0.0	15064 \$4	1.51
17813 Common Costs	Sum(E17806:E17812)	\$21	.35
17814			_
17815 TELRIC + Common Costs	E17803+E17813	\$320	87

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Work Rent	Time Minutes	Prob #1	Prob #2		rob Applied Time M (Minutes)	Lebor Mour	Cost
Ä	В	С	Ď	Ē	F G B*(CThruF)	H	l H * (G/60)
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH							
ADD*							
ACCOUNT MANAGER ISSUE FORMS/COMPLEX TRANS	30	1.000			30.00	\$56.97	\$28.4
ubtotal - ACCOUNT MANAGER					30.00		\$28.4
COMPLEX TRANSLATIONS Probability weightings are the percent by switch type.							
PROV/TEST LCC DMS100 PROV/TEST LCC 5E,DMS10	240 180	0.340 0.660			81.60 118.80	\$41.45 \$41.45	\$56.3 \$82.0
ubtotal - COMPLEX TRANSLATIONS					200.40		\$138.4
otal For Service:					230.40		\$166.9

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<b>W</b> ork Item A	Time Minutes B	Prop #1 C	Prob #2 D	Prob #3 E	Prob #4	Applied Time (Minutes) G	Lebor /Hour H	Coet
						B * (C Thru F)		H * (G/60)

## CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH (con't)

17867 Direct Cost			\$166.93
17868			4.00.00
17869	Cost	Cost	
17870		Factor	Cost
17871	B C	D	E
17872 Marketing & Business Fees			
17873 Product Management Expense	D17873*E17867	0.019957	\$3.33
17874 Sales Expense	D17874*E17867	0.011877	\$1.98
17875 Product Advertising Expense	D17875*E17867	0.000000	\$0.00
17876 Business Fees (Other Operating Taxes)	D17876*Sum(E17867;E17875)	0.001483	\$0.26
17877 Total Marketing & Business Fees	Sum(E17867:E17876)		\$5.57
17876			
17879 Sub-Total Direct Cost & Marketing	E17867+E17877		\$172.50
17880			
17881 Other Direct Expenses			
17882 Network Operations	D17882*E17879	0.034832	\$6.01
17883 Network Support Assets	D17883*E17879	0.014703	\$2.54
17884 General Support Assets	D17884*E17879	0.088742	\$15.31
17885 General Purpose Computers	D17885*E17879	0.043342	\$7.48
17886 Uncollectible	D17886*E17879	0.003786	\$0.65
17887 Accounting & Finance Expense	D17887*E17879	0.007346	\$1,27
17888 Human Resources Expense	D17888*E17879	0.008294	\$1.43
17889 Information Management Expense	D17889*E17879	0.070887	\$12.23
17890 Intangibles	D17890*E17879	0.000000	\$0.00
17891 Total Other Direct Expenses	Sum(E17882:E17890)		\$46.91
17892			
17893 TELRIC	E17882+E17891		\$219.41
17894			
17895 Common			
17896 Executive Expense	D17896*E17893	0.011267	\$2.47
17897 Planning Expense	D17897*E17893	0.000525	\$0.12
17898 External Relations Expens∈	D17898*E17893	0.037846	\$8.30
17899 Legal Expense	D17899*E17893	0.004717	\$1.04
17900 Other Procurement Expense	D17900°E17893	0.001860	\$0.41
17901 Research & Development Expense	D17901*E17893	0.000006	\$0.00
17902 Other General and Admin Expense	D17902*E17893	0.015064	\$3.31
17903 Common Costs	Sum(E17896:E17902)		\$15.64
17904			
17905 TELRIC + Common Costs	E17893+E17903		\$235.05

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Subtotal - DESIGN

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\$5.02

6.80

	Time	Prob	Prob Prob	Prob	Applied Time	Labor	_
Work Item	Minutes	Ħ	#2 #3	M	(Minutes)	Mour	Cost
- A	В	С	D E	F	G	H	
					B * (C Thru F)		H * (G/60)
CCSAC STP PORT							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
90 PROBABILITY IS MECHANICAL HANDLING							
.10 PROBABILITY IS MANUAL HANDLING							
.65 PROBABILITY MANUAL HANDLING							
.50 PROBABILITY MANUAL HANDLING							
.03 PROBABILITY ASR'S MANUALLY HANDLEC							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASH MECHANICALLY RECEIVE ASH VIA FAX	10	0.100			1.00	\$40.03	\$0.60 \$0.67
	10	1.000			10.00	\$40.03	\$6.67
VALIDATE ASR IN EXACT	2	1.000			2.00	\$40.03	\$0.67 \$1.33
VALIDATE ACTL IN TIRKS	2	0.650			2.00 0.65	\$40.03	\$1.33 \$0.43
VERIFY LOA	1						
ASSIGN NEW TSC	4	0.500			2.00	\$40.03	\$1.33
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	\$2.00
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	\$8.67
EXACT/TUF/IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	\$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MA	5	0.030			0.15	\$40.03	\$0.10
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	1	1.000			1.00	\$40.03	\$0.67
FOC MANUAL	3	0.100			0.30	\$40.03	\$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	]	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	1	1.000			1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR	<del></del>				49.90		\$33.29
Subjoint - Service Delivery Coommarton					43.30		400.23
-DESIGN							
Probabilities are % manual work required. Reciprocal is mechanization rate.							
ORDER HANDLING/SCREENING	5	0.200			1.00	\$44.31	\$0.74
ORDER LOGGING	6	0.200			1.20	\$44.31	\$0.89
ENTER WA MASK	5	0.100			0.50	\$44.31	\$0.37
PREP LOOP/DRI SCREEN	10	0.200			2.00	\$44.31	\$1.48
DESIGN DS0 DIGITAL CHAN TRK	20	0.100			2.00	\$44.31	\$1.48
DISTRIBUTE WORD DOC	2	0.050			0.10	\$44.31	\$0.07

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Work than	Time Minutes	Prob #1	Prob Pro	COLUMN SUB ONE ERORUSION OF	Applied Time (Minotes)	Labor /Hour	Cost
A	8	Ċ	D E	F	G B*(C Thru F)	H	H * (G/60)
CCSAC STP PORT (con't)							
-TRANSLATIONS							
Probabilities are % ratio of orders for A Links (.65) versus B/D Links (.35). INSTALL A LINK SET	105	0.650			68.25	\$41.45	\$47.15
INSTALL B/D LINK SET	180	0.350			63.00	\$41.45	\$43.52
PERFORM TESTS	120	1.000			120.00	\$41.45	\$82.90
Subtotal - TRANSLATIONS					251.25	<u> </u>	\$173.57
-CENTRAL OFFICE FRAMES							
Work performed in STP office.	_						** **
ANALYZE ORDER COMPLETE CROSS-CONNECT	5 4	1.000 1.000			5.00 4.00	\$43.81 \$43.81	\$3.65 \$2.92
COMPLETE ORDER IN WFA-DI	2	1.000			2.00	\$43.81	\$2.92 \$1.46
CONTACT CT TO COMPLETE	3	1.000			3.00	\$43.81	\$2.19
Subtotal - CENTRAL OFFICE FRAMES					14.00		\$10.22
-SERVICE DELIVERY IMPLEMENTOR							
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.							
SCREEN WFA FOR CIRCUIT	10	1.000			10.00	\$43.81	\$7.30
VERIFY LNO COMPLETION NOTIFY CUSTOMER	10 5	1.000 1.000			10.00 5.00	\$43.81 \$43.81	\$7.30 \$3.65
COMPLETE CIRCUIT IN WFA/C	10	1.000			10.00	\$43.81	\$7.30
Subtotal - SERVICE DELIVERY IMPLEMENTOR		<u>-</u>	·		35.00		\$25.56
*DISCONNECT*					_	<del></del> -	<del></del>
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY IS MECHANICAL HANDLING							
.10 PROBABILITY IS MANUAL HANDLING							
RECEIVE ASR MECHANICALLY	1	0.900 0.100			0.90	\$40.03 \$40.03	\$0.60
RECEIVE ASR VIA FAX VALIDATE ASR IN EXACT	10 10	1.000			1.00 10.00	\$40.03	\$0.67 \$6.67
INTRA COMPANY CALLS	3	1.000			3.00	\$40.03	\$2.00
EXACT/TUF/IABS	Ť	0.900			0.90	\$40.03	\$0.60
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	\$1.33
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE PCLIST ASR	1	1.000 1.000			1.00 1.00	\$40.03 \$40.03	\$0.67 \$0.67
FOC MANUAL	3	0.100			0.30	\$40.03	\$0.67 \$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00

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Work liem	Time Minutes	Prob #1	Prob	Proti	Prob #4	Applied Time Offinites	Labor Mour	Cost
Ā	В	C	Ď	E	F	G B * (C Thru F)	Н	H * (G/60)
CCSAC STP PORT (con't)								
CHECK IABS SERVICE ORDER COMPLETE IABS SERVICE ORDER	5	1.000 1.000				5.00 1.00	\$40.03 \$40.03	\$3.34 \$0.67
COMPLETE EXACT	1	1.000				1.00	\$40.03	\$0.67
NOTE EXACT	1	1.000				1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR						33.00		\$22.02
-DESIGN								
.1, .05 probabilities are % manual work. Reciprocal is mechanization rate. ORDER HANDLING/SCREENING	5	0.100				0.50	\$44.31	\$0.37
ORDER LOGGING	6	0.100				0.60	\$44.31	\$0.44
ENTER WA MASK	5	0.100				0.50	\$44.31	\$0.37
CIRCUIT DISCONNECT DISTRIBUTE WORD DOC	5	0.100 0.050				0.50 0.10	\$44,31 \$44,31	\$0.37 \$0.07
DISTRIBUTE WORD DOC	_	0.030				0.10	ψ <del>44</del> .01	ψ0.07
Subtotal - DESIGN						2.20		\$1.62
-CENTRAL OFFICE FRAMES								
ANALYZE ORDER	5	1.000				5.00	\$43.81	\$3.65
REMOVE_CROSS-CONNECT	2.3	1.000				2.30	\$43.81	\$1.68
COMPLETE WITH CCTI	2	1.000				2.00	\$43.81	\$1.46
Subtotal - CENTRAL OFFICE FRAMES						9.30		\$6.79
-SERVICE DELIVERY IMPLEMENTOR								_
SCREEN WFA FOR CIRCUIT	5	1.000				5.00	\$43.81	\$3.65
CONTACT CUSTOMER	5	1.000				5.00	\$43.81	\$3.65
COMPLETE CIRCUIT IN WFA/C	5	1.000				5.00	\$43.81	\$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR	·····					15.00		\$10.95
Total For Service:						416.45		\$289.05

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₩ork tem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F		Lebor Mout	Cost
						B * (C Thru F)		H * (G/60)

#### CCSAC STP PORT (con't)

18047 Direct Cost.			egge or
18047 Direct Gods:			\$289.05
18049	Cost	Cost	
18050	Calculation	Factor	Cost
18051	B C	D	E .
18052 Marketing & Business Fees			
18053 Product Management Expense	D18053*E18047	0.019957	\$5.77
18054 Sales Expense	D18054*E18047	0.013337	\$3.43
18055 Product Advertising Expense	D18055*E18047	0.000000	\$0.00
18056 Business Fees (Other Operating Taxes)	D18056*Sum(E18047:E18055)	0.001483	\$0.44
18057 Total Marketing & Business Fees	Sum(E18047:E18056)	0.001400	\$9.64
18058	3411(210047.210000)		ψ3.04
18059 Sub-Total Direct Cost & Marketing	E18047+E18057		\$298.69
18060	E100474E10001	<del></del>	φ230.03
18061 Other Direct Expenses			
18062 Network Operations	D18062*E18059	0.034832	\$10.40
18063 Network Support Assets	D18063*E18059	0.014703	\$4.39
18064 General Support Assets	D18064*E18059	0.088742	\$26.51
18065 General Purpose Computers	D18065*E18059	0.043342	\$12.95
18066 Uncollectible	D18066*E18059	0.003786	\$1.13
18067 Accounting & Finance Expense	D18067*E18059	0.007346	\$2.19
18068 Human Resources Expense	D18068*E18059	0.008294	\$2.48
18069 Information Management Expense	D18069*E18059	0.070887	\$21.17
18070 Intangibles	D18070*E18059	0.000000	\$0.00
18071 Total Other Direct Expenses	Sum(E18062:E18070)	0.00000	\$81.22
18072	,,,,,,		*******
18073 TELRIC	E18062+E18071		\$379.92
18074			
18075 Common			
18076 Executive Expense	D18076*E18073	0.011267	\$4.28
18077 Planning Expense	D18077*E18073	0.000525	\$0.20
18078 External Relations Expense	D18078*E18073	0.037846	\$14.38
18079 Legal Expense	D18079*E18073	0.004717	\$1.79
18080 Other Procurement Expense	D18080*E18073	0.001860	\$0.71
18081 Research & Development Expense	D18081*E18073	0.000006	\$0.00
18082 Other General and Admin Expense	D18082*E18073	0.015064	\$5.72
16083 Common Costs	Sum(E18076:E18082)		\$27.08
18084			
18085 TELRIC + Common Costs	E18073+E18083		\$407.00

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20.00

20.00

\$41.45

\$13.82

\$13.82

Work Item A	Minutes B	en C	b D	E	F G B*(C Thru F)	<b>Mour</b> H	Cost     H * (G/6
					,		,
AC OPTIONS BASIC FIRST ACTIVATION PER ORDER							
<u>y</u> .							
VICE DELIVERY COORDINATOR							
.90 PROBABILITY IS MECHANICAL HANDLING							
.10 PROBABILITY IS MANUAL HANDLING							
.65 PROBABILITY MANUAL HANDLING .50 PROBABILITY MANUAL HANDLING							
.03 PROBABILITY ASR'S MANUALLY HANDLEL							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	
VALIDATE ASR IN EXACT	10	1.000			10.00	\$40.03	
VALIDATE ACTL IN TIRKS	2	1.000			2.00	\$40.03	
VERIFY LOA	1	0.650			0.65	\$40.03	
ASSIGN NEW TSC	4	0.500			2.00	\$40.03	
VALIDATE CONTRACT RATES	3	1.000			3.00	\$40.03	
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	
EXACT/TUF/IABS	1	1.000			1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLCA FACILITY OR OTHER M/	5	0.030			0.15	\$40.03	
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	1	1.000			1.00	\$40.03	
FOC MANUAL	3	0.100			0.30	\$40.03	
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	
CHECK WFA	3	1.000			3.00	\$40.03	
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	
COMPLETE EXACT	1	1.000			1.00	\$40.03	
NOTE EXACT	1	1.000			1.00	\$40.03	
tal - SERVICE DELIVERY COORDINATOR					49.90		

20

1.000

# \*DISCONNECT\*

Subtotal - TRANSLATIONS

**ACTIVATE POINT CODE** 

-SERVICE DELIVERY COORDINATOR .90 PROBABILITY IS MECHANICAL HANDLING .10 PROBABILITY IS MANUAL HANDLING

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ching and special and program and the work them	Time Minutes	Prob #1	Pres #2	Prob Prob	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D	F F	G B * (C Thru F)	H	H * (G/60)
CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER (con't,							, .
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000			10.00	\$40.03	\$6.67
INTRA COMPANY CALLS	3	1.000			3.00	\$40.03	\$2.00
EXACT/TUF/IABS	1	0.900			0.90	\$40.03	\$0.60
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	<b>\$1.33</b>
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	1	1.000			1.00	\$40.03	\$0.67
PCLIST ASR	1	1.000			1.00	\$40.03	\$0.67
FOC MANUAL	3	0.100			0.30	\$40.03	\$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT	1	1.000			1.00	\$40.03	\$0.67
NOTE EXACT	1	1.000			1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR				· · · · · · · · · · · · · · · · · · ·	33.00		\$22.02
-TRANSLATIONS							
DEACTIVATE POINT CODE	20	1.000			20.00	\$41.45	\$13.82
Subtotal - TRANSLATIONS					20.00		\$13.82
Total For Service:					122.90		\$82.94

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Work Bern A	Time Minutés B	Prob #1 C	Prob Prob #3 #4 E F		Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

# CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER (con't,

18182 Direct Cost			\$82.94
18183		******	CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE
18184	Cost	Cost	
18185	Calculation	Factor	Cost
18186	8 C	Ð	E
19187 Marketing & Business Fees			
18188 Product Management Expense	D18188*E18182	0.019957	\$1.66
18189 Sales Expense	D18189*E18182	0.011877	\$0.99
18190 Product Advertising Expense	D18190*E18182	0.000000	\$0.00
18191 Business Fees (Other Operating Taxes)	D18191*Sum(E18182:E18190)	0.001483	\$0.13
18192 Total Marketing & Business Fees	Sum(E18182;E18191)	4.001.00	\$2.77
18193			<u> </u>
18194 Sub-Total Direct Cost & Marketing	E18182+E18192		\$85.71
18195			
18196 Other Direct Expenses			
18197 Network Operations	D18197°E18194	0.034832	\$2.99
18198 Network Support Assets	D18198*E18194	0.014703	\$1.26
18199 General Support Assets	D18199*E18194	0.088742	\$7.61
18200 General Purpose Computers	D18200*E18194	0.043342	\$3.71
18201 Uncollectible	D18201*E18194	0.003786	\$0.32
18202 Accounting & Finance Expense	D18202°E18194	0.007346	\$0.63
18203 Human Resources Expense	D18203*E18194	0.008294	\$0.71
18204 Information Management Expens∈	D18204*E18194	0.070887	\$6.08
18205 Intangibles	D18205*E18194	0.000000	\$0.00
18206 Total Other Direct Expenses	Sum(E18197:E18205)		\$23.31
18207			
18208 TELRIC	E18197+E18206		\$109.02
18209			_
18210 Common			
18211 Executive Expense	D18211*E18208	0.011267	\$1.23
18212 Planning Expense	D18212*E18208	0.000525	\$0.06
18213 External Relations Expense	D18213*E18208	0.037846	\$4.13
18214 Legal Expense	D18214*E18208	0.004717	\$0.51
18215 Other Procurement Expense	D18215*E18208	0.001860	\$0.20
18216 Research & Development Expense	D18216*E18208	0.000006	\$0.00
18217 Other General and Admin Expense	D18217*E18208	0.015064	\$1.64
18218 Common Costs	Sum(E18211:E18217)		\$7.77
18219			
18220 TELRIC + Common Costs	E18208+E18218	<u> </u>	\$116.79

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work lean	71me Minutes	Prob #1	Prob Prob	Prob Applied Time #4 (Minutes)	Lebor	Cost
A	В	С	D E	F G B*(C Thru F)	Н	H * (G/60)
CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER						
*ADD*						
-TRANSLATIONS ACTIVATE POINT CODE	5	1.000		5.00	\$41.45	\$3.45
Subtotal - TRANSLATIONS				5.00		\$3.45
*DISCONNECT*		•				
-TRANSLATIONS DEACTIVATE POINT CODE	5	1.000		5.00	\$41.45	\$3.45
Subtotal - TRANSLATIONS				5.00		\$3.45
Total For Service:				10.00		\$6.91

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Item A	Time Ministee B	Prob #1 C	Proti #2 D	Prot #3 E	Prob #4	Applied Time (Minutes) G	Labor Afour H	Cost
						B * (C Thru F)		H * (G/60)

# CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER (con't,

18272 Direct Cost			\$6.91
18273			30,31
18274	Cost	Cost	
18275		Factor	Cost
18276		6	=
18277 Marketing & Business Fees			
18278 Product Management Expense	D18278*E18272	0.019957	\$0.14
18279 Sales Expense	D18279*E18272	0.011877	\$0.08
18280 Product Advertising Expense	D18280*E18272	0.000000	\$0.00
18281 Business Fees (Other Operating Taxes)	D18281*Sum(E18272:E18280)	0.001483	\$0.01
18282 Total Marketing & Business Fees	Sum(E18272:E18281)		\$0.23
18283			
18284 Sub-Total Direct Cost & Marketing	E18272+E18282		\$7.14
18285			
18286 Other Direct Expenses			
18287 Network Operations	D18287*E18284	0.034832	\$0.25
18288 Network Support Assets	D18288*E18284	0.014703	\$0.10
18289 General Support Assets	D18289*E18284	0.088742	\$0.63
18290 General Purpose Computers	D18290*E18284	0.043342	\$0.31
18291 Uncollectible	D18291*E18284	0.003786	\$0.03
16292 Accounting & Finance Expens∈	D18292*E18284	0.007346	\$0.05
18293 Human Resources Expense	D18293*E18284	0.008294	\$0.06
18294 Information Management Expense	D18294*E18284	0.070887	\$0.51
18295 Intangibles	D18295*E18284	0.000000	\$0.00
18296 Total Other Direct Expenses	Sum(E18287:E18295)		\$1.94
18297			
18298 TELRIC	E18287+E18296		\$9.08
18299			
18300 Common			
18301 Executive Expense	D18301*E18298	0.011267	\$0.10
18302 Planning Expens€	D18302*E18298	0.000525	\$0.00
18303 External Relations Expense	D18303*E18298	0.037846	\$0.34
18304 Legal Expense	D18304*E18296	0.004717	\$0.04
18305 Other Procurement Expense	D18305*E18298	0.001860	\$0.02
18306 Research & Development Expense	D18306*E18298	0.000006	\$0.00
18307 Other General and Admin Expense	D18307*E18298	0.015064	\$0.14 \$0.65
18308 Common Costs	Sum(E18301:E18307)	·- <u> </u>	\$0.05
18309 18310 TELRIC + Common Costs	E18298+E18308	<del></del> -	\$9.73
18310 TELRIC + Common Costs	E104307E10300		φ <b>8.</b> 73

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Bent	Time Minutes	Prob #1	Prob Prob	Prob	Applied Time (Minotes)	Lebor Hour	Cost
Ä	В	C	D Ē	F	G B * (C Thru F)	H	i H * (G/60)
					B (O IIIIur)		H (G/60)
CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER							
*ADD*							
-SERVICE DELIVERY COORDINATOR							
.90 PROBABILITY IS MECHANICAL HANDLING .10 PROBABILITY IS MANUAL HANDLING							
.65 PROBABILITY MANUAL HANDLING							
.50 PROBABILITY MANUAL HANDLING .03 PROBABILITY ASR's MANUALLY HANDLEL							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000			10.00	\$40.03	\$6.67
VALIDATE ACTL IN TIRKS	2	1.000			2.00	\$40.03	\$1.33
VERIFY LOA	1	0.650			0.65	\$40.03	\$0.43
ASSIGN NEW TSC VALIDATE CONTRACT RATES	3	0.500 1.000			2.00 3.00	\$40.03 \$40.03	\$1.33 \$2.00
INTRA COMPANY CALLS	13	1.000			13.00	\$40.03	\$8.67
EXACT/TUF/IABS	1	1.000			1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	2	1.000			2.00	\$40.03	\$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLCA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLCA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLCA FACILITY OR OTHER MAN	5	0.030			0.15	\$40.03	\$0.10
DISTRIBUTE ORDER IN IABS VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	1	1.000 1.000			1.00	\$40.03	\$0.67
FOC MANUAL	1	0.100			1.00 0.30	\$40.03 \$40.03	\$0.67 \$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT NOTE EXACT	1	1.000 1.000			1.00	\$40.03	\$0.67
NOTE EXACT	•	1.000			1.00	\$40.03	\$0.67
Subtotal - SERVICE DELIVERY COORDINATOR					49.90		\$33.29
-TRANSLATIONS							
ACTIVATE POINT CODE LSTP	20	1.000			20.00	\$41.45	\$13.82
ACTIVATE POINT CODE RSTP	10	1.000			10.00	\$41.45	\$6.91
Subtotal - TRANSLATIONS					30.00		\$20.73

# \*DISCONNECT\*

-SERVICE DELIVERY COORDINATOR .90 PROBABILITY IS MECHANICAL HANDLING

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. Work Item	Time Minutes	Prob #1	#2	rob Prob #1 #4	Applied Time (Minutes)	Labor Mour	Cost
A	8	С	D	E F	G B*(C Thru F)	- н	H * (G/60)
CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER (con't,							
.10 PROBABILITY IS MANUAL HANDLING							
RECEIVE ASR MECHANICALLY	1	0.900			0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100			1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000			10.00	\$40.03	\$6.67
INTRA COMPANY CALLS EXACT/TUF/IABS	3	1.000 0.900			3.00 0.90	\$40.03	\$2.00
VALIDATE IABS SERVICE ORDER	, 2	1.000			2.00	\$40.03 \$40.03	\$0.60 \$1.33
DISTRIBUTE ORDER IN IABS	1	1.000			1.00	\$40.03	\$1.33 \$0.67
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	i	1.000			1.00	\$40.03	\$0.67
PCLIST ASR	ĺ	1.000			1.00	\$40.03	\$0.67
FOC MANUAL	3	0.100			0.30	\$40.03	\$0.20
FOC ELECTRONICALLY	1	0.900			0.90	\$40.03	\$0.60
CHECK WFA	3	1.000			3.00	\$40.03	\$2.00
CHECK IABS SERVICE ORDER	5	1.000			5.00	\$40.03	\$3.34
COMPLETE IABS SERVICE ORDER	1	1.000			1.00	\$40.03	\$0.67
COMPLETE EXACT NOTE EXACT	1	1.000 1.000			1.00 1.00	\$40.03 \$40.03	\$0.67 \$0.67
NOTE EXACT	•	1.000			1.00	ф <del>4</del> 0.03	φυ.67
Subtotal - SERVICE DELIVERY COORDINATOR					33.00		\$22.02
-TRANSLATIONS							
DEACTIVATE POINT CD LSTP	20	1.000			20.00	\$41.45	\$13.82
DEACTIVATE POINT CD RSTP	10	1.000			10.00	\$41.45	\$6.91
Subtotal - TRANSLATIONS					30.00		\$20.73
Total For Service:					142.90		\$96.76

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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Work Rem A	Time Minutes B	Prob Pro #1 # C	ab Prab 2 #3 ) E	Prob Applied Time #4 (###################################	Lebor Atour Cost H
				B * (C Thru F)	H * (G/60)

# CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER (con't,

18407 Direct Cost			\$96.78
18408			
18409	Cost	Cost	
18410	Calculation	Factor	Cost
18411	8 6	9	E
18412 Marketing & Business Fees		_	
18413 Product Management Expense	D18413*E18407	0.019957	\$1.93
18414 Sales Expense	D18414*E18407	0.011877	\$1.15
18415 Product Advertising Expense	D18415*E18407	0.000000	\$0.00
18416 Business Fees (Other Operating Taxes)	D18416*Sum(E18407:E18415)	0.001483	\$0.15
18417 Total Marketing & Business Fees	Sum(E18407:E18416)		\$3.23
18418			
18419 Sub-Total Direct Cost & Marketing	E18407+E18417		\$99.99
18420			400.00
18421 Other Direct Expenses			
18422 Network Operations	D18422*E18419	0.034832	\$3.48
18423 Network Support Assets	D18423*E18419	0.014703	\$1.47
18424 General Support Assets	D18424*E18419	0.088742	\$8.87
18425 General Purpose Computers	D18425*E18419	0.043342	\$4.33
18426 Uncollectible	D18426*E18419	0.003786	\$0.38
18427 Accounting & Finance Expense	D18427*E18419	0.007346	\$0.73
18428 Human Resources Expense	D18428*E18419	0.008294	\$0.83
18429 Information Management Expense	D18429*E18419	0.070887	\$7.09
18430 Intangibles	D18430*E18419	0.000000	\$0.00
18431 Total Other Direct Expenses	Sum(E18422:E18430)	0.00000	\$27.19
18432			4211.15
18433 TELRIC	E18422+E18431		\$127.18
18434	<del>-</del> <del>-</del>		
18435 Common			
18436 Executive Expense	D18436*E18433	0.011267	\$1.43
18437 Planning Expense	D18437*E18433	0.000525	\$0.07
18438 External Relations Expense	D18438*E18433	0.037846	\$4.81
18439 Legal Expense	D18439*E18433	0.004717	\$0.60
18440 Other Procurement Expense	D18440*E18433	0.001860	\$0.24
18441 Research & Development Expense	D18441*E18433	0.000006	\$0.00
18442 Other General and Admin Expense	D18442*E18433	_0.015064	\$1.92
18443 Common Costs	Sum(E18436:E18442)		\$9.07
18444			
18445 TELRIC + Common Costs	E18433+E18443		\$136.24

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Castelland experience and the companies of the second work have	Time Minutes	Prob #1	Prob Prob #2 #3	Prob Applied Time #4 (Minutes)	Labor Mour	Cost
<b>A</b>	В	C	D E	F G B * (C Thru F)	Н	I H * (G/60)
CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER						
*ADD*						
-TRANSLATIONS						
ACTIVATE POINT CODE LSTP ACTIVATE POINT CODE RSTP	20 10	1.000 1.000		20.00 10.00	\$41.45 \$41.45	\$13.82 \$6.91
Subtotel - TRANSLATIONS				30.00		\$20.73
*DISCONNECT*						
-TRANSLATIONS  DEACTIVATE POINT CD LSTP  DEACTIVATE POINT CD RSTP	20 10	1.000 1.000		20.00 10.00	\$41.45 \$41.45	\$13.82 \$6.91
Subtotal - TRANSLATIONS			<del></del>	30.00		\$20.73
Total For Service:				60.00		\$41.45

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Work flem A	Time Minutes B	Prob	Prob #3 E	Prob Applied Time #4 (Minutes) F G	Labor Mour Cost H
				B * (C Thru F)	H * (G/60)

#### CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER (con't,

18498       Cost       Cost         18500       Calculation       Factor       Cost         18501       B       C       D       E         18502       Marketing & Business Fees       B       C       D       E         18503       Product Management Expense       D18503*E18497       0.019957       \$0.83         18504       Sales Expense       D18504*E18497       0.011877       \$0.49         18505       Product Advertising Expense       D18506*B18497       0.000000       \$0.00         18506       Business Fees (Other Operating Taxes)       D18506*Sum(E18497:E18505)       0.001483       \$0.06         18507       Total Marketing & Business Fees       Sum(E18497:E18506)       \$1.38         18508			
1849    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850    1850			\$41,45
R8500   R8502   Marketing & Businees Fees   R8502   Product Management Expense   D18503*E18497   0.019957   \$0.83   \$18504   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85   \$2.85		MINISTER Vision and the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t	
18501     18502   Marketing & Business Fees			
18502   Marketing & Businese Fees	1555		
18503   Product Management Expense   D18504*E18497   0.019857   \$0.49   18504   Sales Expense   D18504*E18497   0.011877   \$0.49   18505   Product Advertising Expense   D18504*E18497   0.000000   \$0.00   18506   Business Fess (Other Operating Taxes)   D18506*Sum(E18497:E18505)   0.001483   \$0.06   18507   Total Marketing & Business Fees   Sum(E18497:E18506)   \$1.38   18508   Sub-Total Direct Cost & Marketing   E18497*E18507   \$2.83   \$1.89   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510   \$1.8510		<u> </u>	E
18504 Sales Expense   D1850*E18497   0.011877   \$0.49     18506 Product Advertising Expense   D1850*E18497   0.000000   \$0.00     18506 Business Fees (Other Operating Taxes)   50.06   \$0.001483   \$0.06     18507   Total Marketing & Business Fees   50.001483   \$0.06     18509   Sub-Total Direct Cost & Marketing   \$0.001483   \$0.06     18509   Sub-Total Direct Expenses   50.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.0	▼ · · · · · · · · · · · · · · · · · · ·		
18505 Product Advertising Expense   D18508'E18497.E18505  0.000000 \$0.00     18506 Business Fees (Other Operating Taxes)   Sum(E18497:E18506)   .0.001483   .0.0018     18507   Total Marketing & Business Fees   Sum(E18497:E18506)   .0.001483   .0.0018     18508   Sub-Total Direct Cost & Marketing   .0.00000     18510			
18506 Business Fees (Other Operating Taxes)		D18504*E18497 0.011	
18507   Total Marketing & Business Fees		D18505*E18497 0.000	000 \$0.00
18508   Sub-Total Direct Cost & Marketing	18506 Business Fees (Other Operating Taxes)	D18506*Sum(E18497:E18505)0.0014	483 <u>\$0.06</u>
18509   Sub-Total Direct Cost & Marketing		Sum(E18497:E18506)	\$1.38
18510       18511 Other Direct Expenses         18511 Other Direct Expenses       D18512*E18509       0.034832       \$1.49         18513 Network Operations       D18513*E18509       0.014703       \$0.63         18514 General Support Assets       D18513*E18509       0.088742       \$3.80         18515 General Purpose Computers       D18516*E18509       0.003786       \$0.16         18517 Accounting & Finance Expense       D18516*E18509       0.003786       \$0.16         18518 Human Resources Expense       D18516*E18509       0.007346       \$0.31         18519 Information Management Expense       D18516*E18509       0.007246       \$0.36         18520 Intangibles       D18519*E18509       0.070887       \$3.04         18521 Total Other Direct Expenses       D18520*E18509       0.000000       \$0.00         18522 TELRIC       E18512-E18520       \$54.48         18525 Common       E1852*E18521       \$54.48         18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18528 External Relations Expense       D18526*E18523       0.007525       \$0.03         18529 Legal Expense       D18526*E18523       0.004717       \$0.26         18520 Legal Expense       D18526*E18523       0.004717       \$0.26 <td>18508</td> <td></td> <td></td>	18508		
18511   Other Direct Expenses   D18512*E18509   0.034832   \$1.49   \$1.815   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49   \$1.49	18509 Sub-Total Direct Cost & Marketing	E18497+E18507	\$42.83
18512 Network Operations	18510		
18513 Network Support Assets	18511 Other Direct Expenses		
18514 General Support Assets   D18514*E18509   0.083742   \$3.80   18515 General Purpose Computers   D18515*E18509   0.043342   \$1.86   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60   \$1.60	18512 Network Operations	D18512*E18509 0.0348	832 \$1.49
18515 General Purpose Computers	18513 Network Support Assets	D18513*E18509 0.014	703 \$0.63
18515 General Purpose Computers	18514 General Support Assets	D18514*E18509 0.088	742 \$3.80
18516 Uncollectible		D18515*E18509 0.043	342 \$1.86
18518 Human Resources Expense   D18518*E18509   0.008294   \$0.36   18519 Information Management Expense   D18519*E18509   0.070887   \$3.04   18520 Intangibles   D18520*E18509   0.00000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$		D18516*E18509 0.0033	786 \$0.16
18518 Human Resources Expense   D18518*E18509   0.008294   \$0.36   18519 Information Management Expense   D18519*E18509   0.070887   \$3.04   18520 Intangibles   D18520*E18509   0.00000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$	18517 Accounting & Finance Expens∈	D18517*E18509 0.0073	346 \$0.31
18520 Intangibles   D18520*E18509   0.000000   \$0.00   18521   Total Other Direct Expenses   Sum(E18512:E18520)   \$11.65   18522     18523   TELRIC   E18512+E18521   \$54.48   18525   TELRIC   E18512+E18521   \$54.48   18525   Common     18526   Executive Expense   D18526*E18523   0.011267   \$0.61   18527   Planning Expense   D18527*E18523   0.000525   \$0.03   18528   External Relations Expense   D18527*E18523   0.0037846   \$2.06   18529   Legal Expense   D18529*E18523   0.004717   \$0.26   18530   Other Procurement Expense   D18530*E18523   0.001660   \$0.10   18531   Research & Development Expense   D18531*E18523   0.00006   \$0.00   18530   Other General and Admin Expense   D18532*E18523   0.000006   \$0.00   18530   Other General and Admin Expense   D18532*E18523   0.015064   \$0.82   18533   Common Costs   Sum(E18526:E18532)   \$3.88   18534   \$18534   \$18534   \$18534   \$18534   \$18535   \$3.88   \$18535   \$3.88   \$18535   \$3.88   \$18535   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88		D18518*E18509 0.0082	294 \$0.36
18520   Intangibles   D18520*E18509   0.000000   \$0.00   18521   Total Other Direct Expenses   Sum(E18512:E18520)   \$11.65   18522     18523   TELRIC   E18512+E18521   \$54.48   18525   TELRIC   E18512+E18521   \$54.48   18525   Common     18526   Executive Expense   D18526*E18523   0.011267   \$0.61   18527   Planning Expense   D18527*E18523   0.000525   \$0.03   18527   Planning Expense   D18528*E18523   0.0037846   \$2.06   18529   Legal Expense   D18529*E18523   0.0037846   \$2.06   18529   Legal Expense   D18529*E18523   0.004717   \$0.26   18530   Other Procurement Expense   D18530*E18523   0.001860   \$0.10   18531   Research & Development Expense   D18531*E18523   0.000006   \$0.00   18530   Other General and Admin Expense   D18531*E18523   0.015064   \$0.82   18533   Common Costs   Sum(E18526:E18532)   \$3.88   18534   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88   \$3.88	18519 Information Management Expense	D18519*E18509 0.0708	387 \$3.04
18522       E18512+E18521       \$54.48         18524       E18512+E18521       \$54.48         18525 Common       18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18527 Planning Expense       D18527*E18523       0.000525       \$0.03         18528 External Relations Expense       D18528*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88		D18520*E18509 0.0000	00.00
18522       E18512+E18521       \$54.48         18524       E18512+E18521       \$54.48         18525 Common       Common       Common         18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18527 Planning Expense       D18527*E18523       0.000525       \$0.03         18528 External Relations Expense       D18528*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88		Sum(E18512:E18520)	
18524         18525 Common         18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18527 Planning Expense       D18527*E18523       0.000525       \$0.03         18528 External Relations Expense       D18529*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88			
18524         18525 Common         18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18527 Planning Expense       D18527*E18523       0.000525       \$0.03         18528 External Relations Expense       D18529*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88	18523 TELRIC	E18512+E18521	\$54.48
18526 Executive Expense       D18526*E18523       0.011267       \$0.61         18527 Planning Expense       D18527*E18523       0.000525       \$0.03         18528 External Relations Expense       D18528*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88	18524		
18527 Planning Expensε     D18527*E18523     0.000525     \$0.03       18528 External Relations Expense     D18528*E18523     0.037846     \$2.06       18529 Legal Expense     D18529*E18523     0.004717     \$0.26       18530 Other Procurement Expense     D18530*E18523     0.001860     \$0.10       18531 Research & Development Expense     D18531*E18523     0.000006     \$0.00       18532 Other General and Admin Expense     D18532*E18523     0.015064     \$0.82       18533 Common Costs     Sum(E18526:E18532)     \$3.88	18525 Common		
18527 Planning Expense     D18527*E18523     0.000525     \$0.03       18528 External Relations Expense     D18528*E18523     0.037846     \$2.06       18529 Legal Expense     D18529*E18523     0.004717     \$0.26       18530 Other Procurement Expense     D18530*E18523     0.001860     \$0.10       18531 Research & Development Expense     D18531*E18523     0.000006     \$0.00       18532 Other General and Admin Expense     D18532*E18523     0.015064     \$0.82       18533 Common Costs     Sum(E18526:E18532)     \$3.88	· · · · · · · · · · · · · · · · · · ·	D18526*E18523 0.0112	267 \$0.61
18528 External Relations Expense       D18528*E18523       0.037846       \$2.06         18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88	•	= = : : : : : : : : : : : : : : : : : :	
18529 Legal Expense       D18529*E18523       0.004717       \$0.26         18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88		D18528*E18523 0.0378	
18530 Other Procurement Expense       D18530*E18523       0.001860       \$0.10         18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88         18534			
18531 Research & Development Expense       D18531*E18523       0.000006       \$0.00         18532 Other General and Admin Expense       D18532*E18523       0.015064       \$0.82         18533 Common Costs       Sum(E18526:E18532)       \$3.88         18534			
18532 Other General and Admin Expense         D18532*E18523         0.015064         \$0.82           18533 Common Costs         Sum(E18526:E18532)         \$3.88           18534			
18533 Common Costs Sum(E18526:E18532) \$3.88 18534			
18534			
			+=:00
		E18523+E18533	\$58,36

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Item	Tin Mint		#9 #1	rob Applied Time Lai M (Minutes) Air	bor Aur Cast
A		C .	D = E	F G	1
				B * (C Thru F)	H * (G/60)

ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR)

\*ADD\*

-ENGR. N20 (per half hour)
ADDITIONAL ENGINEERING - BASIC

\$22.97

Subtotal - ENGR. N20 (per half hour)	0.00	\$22.97
Total For Service:	0.00	\$22.97

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

nali kalinan kenyat in araba anjarah dikerah kali <mark>Work Rem</mark> di kepada anjar kalingan sebagai a	Time Minutes	Prob #1	Prob Prot			Labor Afour Cost
A	В	Ċ	D E	F	G	H
					B * (C Thru F)	H * (G/60)

# ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR) (con't,

18587 Direct Cost 18588		\$22.97
18589	Cost	
18590	Calculation Factor	Cost
18591	8 6 0	
18592 Marketing & Business Fees		
18593 Product Management Expense	D18593*E18587 0.0199	57 \$0.46
18594 Sales Expense	D18594*E18587 0.0118	
18595 Product Advertising Expense	D18595*E18587 0.0000	
18596 Business Fees (Other Operating Taxes)	D18596*Sum(E18587;E18595) 0.0014	
18597 Total Marketing & Business Fees	Sum(E18587:E18596)	\$0.7
18598		
18599 Sub-Total Direct Cost & Marketing	E18587+E18597	\$23.74
18600		
18601 Other Direct Expenses		
18602 Network Operations	D18602°E18599 0.0348	32 \$0.83
18603 Network Support Assets	D18603*E18599 0.0147	03 \$0.35
18604 General Support Assets	D18604*E18599 0.0887	42 \$2.1
18605 General Purpose Computers	D18605*E18599 0.0433	42 \$1.00
18606 Uncollectible	D18606*E18599 0.0037	36 \$0.09
18607 Accounting & Finance Expense	D18607*E18599 0.0073	46 \$0.17
18608 Human Resources Expense	D18608*E18599 0.00829	94 \$0.20
18609 Information Management Expense	D18609*E18599 0.0708	37 \$1.68
18610 Intangibles	D18610°E18599 0.00000	00.00
18611 Total Other Direct Expenses	Sum(E18602:E18610)	\$6.45
18612		
18613 TELRIC	E18602+E18611	\$30.19
18614		
18615 Common		
18616 Executive Expense	D18616*E18613 0.01126	
18617 Planning Expens∈	D18617*E18613 0.00052	
18618 Externat Relations Expens∈	D18618*E18613 0.03784	
18619 Legal Expense	D18619*E18613 0.0047	
18620 Other Procurement Expense	D18620*E18613 0.00186	
18621 Research & Development Expense	D18621*E18613 0.00000	
18622 Other General and Admin Expense	D18622°E18613 0.01506	
18623 Common Costs	Sum(E18616:E18622)	\$2.15
18624		
18625 TELRIC + Common Costs	E18613+E18623	\$32.34

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob	Prob		Opplied Time	Lebor	
Work flatt	Minutes	#1	12	#3	#4	(Minutes)	Mour	Cost
A	В	С	D	E	F	G	н	1
					В	* (C Thru F)		H * (G/60)

ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR)

\*ADD\*

-ENGR, N20 (per half hour)
ADDITIONAL ENGINEERING - OVERTIME

\$28.41

Subtotal - ENGR. N20 (per half hour)	0.00	\$28.41
Total For Service:	0.00	\$28.41

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Page 444 Of 716 ENRC Version: 2.16 Date: 06/03/02

Work Near A	Time Minutes B	Prob #1	Prob #2 D	Prob #3 E	Prob Applied Time 44 (Minutes) F G	Lebor Nour Cost
					B * (C Thru F)	H * (G/60)

# ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR) (con't,

18678   18679   18680   18681   18681   18682   18682   18682   18683   18682   18682   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   18683   1868	18677 Direct Cost			\$28.41
18679   18680   18680   18682   Markating & Business Fees   18682   Markating & Business Fees   18682   Markating & Business Fees   18683   Product Management Expense   18683 Product Advertising Expense   18684 Fe18677   0.0119977   \$0.57   \$0.8484   Sales Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Business Fees (Other Operating Taxes)   18686 Business Fees (Other Operating Taxes)   18686 Business Fees (Other Operating Taxes)   18686 Business Fees   18697 Fe18687   0.001483   \$0.04   18687   \$0.05   18697   \$0.05   \$0.05   18697   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0				<b>320,4</b> 1
18680   18681   18682   Marketing & Business Fees   18683 Product Management Expense   18684 Product Management Expense   18685 Product Management Expense   18685 Product Management Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18685 Product Advertising Expense   18686 Product Advertising Expense   18686 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Advertising Expense   18687 Product Expenses   18687 Product Expenses   18687 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expenses   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18697 Product Expense   18706 Product Expense   18706 Product Expense   18706 Product Expense   18706 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Expense   18707 Product Exp				
18681   18692   Marketing & Business Fees				Cool
18682   Marketing & Business Fees				
18683 Product Management Expense   D18683*E18677   0.019957   \$0.57   18684 Sales Expense   D18684*E18677   0.011877   \$0.34   \$0.50   \$0.50   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60   \$0.60	1		<u> </u>	-
18684 Sales Expense   D18684*E18677   0.011877   \$0.34   18685 Product Advertising Expense   D18685*E18677   0.000000   \$0.00   18686*E18677   0.000000   \$0.00   18686*E18677   \$0.000000   \$0.00   18686*E18677   \$0.001483   \$0.04   18687   \$0.001483   \$0.04   18687   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483   \$0.001483		D10003+E10077	0.010062	£0.57
18685 Product Advertising Expense   D18685*E18677   0.000000   \$0.00   18686 Business Fees (Other Operating Taxes)   D18686*Business Fees (Other Operating Taxes)   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005   \$0.005	· · · · · · · · · · · · · · · · · · ·			
18686 Business Fees (Other Operating Taxes)   D18686*Sum(E18677;E18685]   0.001483   \$0.04   18687   \$70tal Marketing & Business Fees   Sum(E18677:E18685]   \$0.95   18689   \$16889   \$50tal Marketing   E18677+E18687   \$29.36   18689   \$50tal Marketing   E18677+E18687   \$29.36   18690   \$18690   \$18690   \$18690   \$18691   \$18691   \$18692   \$18692   \$18693   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02   \$1.02				
18687   Total Marketing & Business Fees		<del>-</del>		
18688   Sub-Total Direct Cost & Marketing			0.001483	
18699   Sub-Total Direct Cost & Marketing   E18677+E18687   \$29.36     18690		Sum(E18677:E18686)		\$0.95
18690   Other Direct Expenses	- 1 <del>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</del>			
18691   Other Direct Expenses   18692   Network Operations   D18692*E18689   D.034832   \$1.02   18693   Network Support Assets   D18693*E18689   D.014703   \$0.43   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62   \$1.62		E18677+E18687		\$29.36
18692 Network Operations   D18692*E18689   0.034832   \$1.02   18693 Network Support Assets   D18693*E18689   0.014703   \$0.43   18694 General Support Assets   D18693*E18689   0.088742   \$2.61   \$1.694 General Support Assets   D18694*E18689   0.088742   \$2.61   \$2.61   \$1.695 Uncollectible   D18695*E18689   0.043342   \$1.27   \$1.696 Uncollectible   D18695*E18689   0.003786   \$0.11   \$1.897 Accounting & Finance Expense   D18697*E18689   0.007346   \$0.22   \$1.698 Human Resources Expense   D18693*E18689   0.008294   \$0.24   \$1.699 Information Management Expense   D18699*E18689   0.070887   \$2.08   \$1.670 Untangibles   D18709*E18689   0.000000   \$7.98   \$1.670 Untangibles   D18709*E18689   0.000000   \$7.98   \$1.670 Untangibles   D18709*E18692   0.000000   \$7.98   \$1.670 Untangibles   D18703*E18701   \$37.34   \$1.670 Untangibles   D18705*E18703   0.011267   \$0.42   \$1.670 Untangibles   D18705*E18703   0.001267   \$0.42   \$1.670 Untangibles   D18705*E18703   0.0037846   \$1.41   \$1.670 Untangibles   D18705*E18703   0.0037846   \$1.41   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.18   \$1.670 Untangibles   D18705*E18703   0.004717   \$0.	15.55			
18693 Network Support Assets   D18693*E18689   D.014703   \$0.43     18694 General Support Assets   D18694*E18689   D.088742   \$2.61     18695 General Purpose Computers   D18695*E18689   D.043342   \$1.27     18696 Uncollectible   D18696*E18689   D.003786   \$0.11     18697 Accounting & Finance Expense   D18697*E18689   D.0007366   \$0.22     18698 Human Resources Expense   D18698*E18689   D.0008294   \$0.24     18699 Information Management Expense   D18698*E18689   D.0008294   \$0.24     18700 Intangibles   D18700*E18689   D.000000   \$0.00     18701   Total Other Direct Expense   D18700*E18692   D.000000   \$0.00     18702   TELRIC   E18692*E18700   \$7.98     18703   TELRIC   E18692*E18703   D.011267   \$0.42     18705   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common   Common				
18694 General Support Assets   D18694*E18689   0.088742   \$2.61     18695 General Purpose Computers   D18695*E18689   0.043342   \$1.27     18696 Uncollectible   D18695*E18689   0.003786   \$0.11     18697 Accounting & Finance Expense   D18696*E18689   0.003786   \$0.11     18698 Human Resources Expense   D18698*E18689   0.008294   \$0.22     18698 Human Resources Expense   D18698*E18689   0.008294   \$0.22     18699 Information Management Expense   D18699*E18689   0.070887   \$2.08     18700 Intangibles   D18700*E18689   0.000000   \$0.00     18701   Total Other Direct Expenses   D18700*E18692   E18700   \$7.98     18702				
18695 General Purpose Computers   D18695*E18689   0.043342   \$1.27     18696 Uncollectible   D18696*E18689   0.003786   \$0.11     18697 Accounting & Finance Expense   D18697*E18689   0.007346   \$0.22     18698 Human Resources Expense   D18697*E18689   0.007846   \$0.22     18699 Information Management Expense   D18698*E18689   0.070887   \$2.08     18700 Intangibles   D18700*E18689   0.070887   \$2.08     18701   Total Other Direct Expenses   Sum(E18692:E18700)   \$7.98     18702		D18693*E18689		
18696 Uncollectible   D18696*E18689   0.003786   \$0.11     18697 Accounting & Finance Expense   D18697*E18689   0.007346   \$0.22     18698 Human Resources Expense   D18698*E18689   0.008294   \$0.24     18699 Information Management Expense   D18699*E18689   0.070887   \$2.08     18700 Intangibles   D18700*E18689   0.000000   \$0.00     18701   Total Other Direct Expenses   Sum(E18692:E18700)   \$7.98     18702	18694 General Support Assets	D18694*E18689	0.088742	
18697 Accounting & Finance Expense   D18697*E18689   0.007346   \$0.22     18698 Human Resources Expense   D18698*E18689   0.008294   \$0.24     18699 Information Management Expense   D18698*E18689   0.0070887   \$2.08     18700 Intangibles   D18700*E18689   0.000000   \$0.00     18701   Total Other Direct Expenses   Sum(E18692:E18700)   \$7.98     18702	18695 General Purpose Computers	D18695*E18689	0.043342	\$1.27
18698 Human Resources Expense         D18698*E18689         0.008294         \$0.24           18699 Information Management Expense         D18699*E18689         0.070887         \$2.08           18700 Intangibles         D18700*E18689         0.000000         \$0.00           18701 Total Other Direct Expenses         Sum(E18692:E18700)         \$7.98           18702         ***         ***         ***           18704         ***         ***         ***           18705 Common         ***         ***         ***           18706 Executive Expense         D18706*E18703         0.011267         \$0.42           18707 Planning Expense         D18707*E18703         0.00525         \$0.02           18708 External Relations Expense         D18708*E18703         0.037846         \$1.41           18709 Legal Expense         D18709*E18703         0.004717         \$0.18           18710 Other Procurement Expense         D18710*E18703         0.001800         \$0.07	18696 Uncollectible	D18696*E18689	0.003786	\$0.11
18699 Information Management Expense   D18699*E18689   0.070887   \$2.08   18701   Intangibles   D18700*E18689   0.000000   \$0.00   18701   Total Other Direct Expenses   Sum(E18692:E18700)   \$7.98   18702	18697 Accounting & Finance Expense	D18697*E18689	0.007346	\$0.22
18700 Intangibles         D18700*E18689         0.000000         \$0.00           18701 Total Other Direct Expenses         Sum(E18692:E18700)         \$7.98]           18702	18698 Human Resources Expense	D18698*E18689	0.008294	\$0.24
18701     Total Other Direct Expenses     \$7.98       18702     \$37.34       18703     \$18704       18704     \$18705       18706 Executive Expense     \$18708*E18703     \$0.011267     \$0.42       18707 Planning Expense     \$18707*Planning Expense     \$0.000525     \$0.02       18708 External Relations Expense     \$18708*E18703     \$0.007471     \$0.41       18709 Legal Expense     \$18709*E18703     \$0.004717     \$0.18       18710 Other Procurement Expense     \$18710*E18703     \$0.001860     \$0.07	18699 Information Management Expense	D18699*E18689	0.070887	\$2.08
18702       18703 TELRIC     E18692+E18701     \$37,34       18704       18705 Common       18706 Executive Expense     D18706*E18703     0.011267     \$0.42       18707 Planning Expense     D18707*E18703     0.000525     \$0.02       18708 External Relations Expense     D18708*E18703     0.037846     \$1.41       18709 Legal Expense     D18709*E18703     0.004717     \$0.18       18710 Other Procurement Expense     D18710*E18703     0.001860     \$0.07	18700 Intangibles	D18700*E18689	0.000000	\$0.00
18703 TELRIC       E18692+E18701       \$37.34         18704       18705 Common       \$0.011267       \$0.42         18706 Executive Expense       D18708*E18703       0.011267       \$0.42         18707 Planning Expense       D18707*E18703       0.000525       \$0.02         18708 External Relations Expense       D18708*E18703       0.037846       \$1.41         18709 Legal Expense       D18709*E18703       0.004717       \$0.18         18710 Other Procurement Expense       D18710*E18703       0.001860       \$0.07	18701 Total Other Direct Expenses	Sum(E18692:E18700)		\$7.98
18704         18705 Common         18706 Executive Expense       D18706*E18703       0.011267       \$0.42         18707 Planning Expense       D18707*E18703       0.000525       \$0.02         18708 External Relations Expense       D18708*E18703       0.037846       \$1.41         18709 Legal Expense       D18709*E18703       0.004717       \$0.18         18710 Other Procurement Expense       D18710*E18703       0.001860       \$0.07	18702			
18705 Common       18706 Executive Expense     D18706*E18703     0.011267     \$0.42       18707 Planning Expense     D18707*E18703     0.000525     \$0.02       18708 External Relations Expense     D18708*E18703     0.037846     \$1.41       18709 Legal Expense     D18709*E18703     0.004717     \$0.18       18710 Other Procurement Expense     D18710*E18703     0.001860     \$0.07	18703 TELRIC	E18692+E18701		\$37.34
18706 Executive Expense     D18706*E18703     0.011267     \$0.42       18707 Planning Expense     D18707*E18703     0.000525     \$0.02       18708 External Relations Expense     D18708*E18703     0.037866     \$1.41       18709 Legal Expense     D18709*E18703     0.004717     \$0.18       18710 Other Procurement Expense     D18710*E18703     0.001860     \$0.07	18704			
18707 Planning Expense       D18707*Ε18703       0.000525       \$0.02         18708 External Relations Expense       D18708*Ε18703       0.037846       \$1.41         18709 Legal Expense       D18709*Ε18703       0.004717       \$0.18         18710 Other Procurement Expense       D18710*Ε18703       0.001860       \$0.07	18705 Common			
18707 Planning Expense       D18707*E18703       0.000525       \$0.02         18708 External Relations Expense       D18708*E18703       0.037846       \$1.41         18709 Legal Expense       D18709*E18703       0.004717       \$0.18         18710 Other Procurement Expense       D18710*E18703       0.001860       \$0.07	18706 Executive Expense	D18706*E18703	0.011267	\$0,42
18708 External Relations Expense       D18708*E18703       0.037846       \$1.41         18709 Legal Expense       D18709*E18703       0.004717       \$0.18         18710 Other Procurement Expense       D18710*E18703       0.001860       \$0.07		D18707*E18703	0.000525	\$0.02
18709 Legal Expense         D18709 E16703         0.004717         \$0.18           18710 Other Procurement Expense         D18710 E18703         0.001860         \$0.07		D18708*E18703	0.037846	\$1.41
18710 Other Procurement Expense D18710*E18703 0.001860 \$0.07		D18709*E18703	0.004717	\$0.18
	18711 Research & Development Expense	D18711*E18703	0.000006	\$0.00
18712 Other General and Admin Expense D18712*E18703 0.015064 \$0.56				
18713  Common Costs Sum(E18706:E18712) \$2.66				
18714				
18715 TELRIC + Common Costs E18703+E18713 \$40.00		E18703+E18713		\$40,00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Total For Service:

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\$6.53

0.00

Work Item		Time Minutes	Prob #1	Proti #2	Prob #3	Prob M	Applied Time (Minutes)	Labor Mour	Cost
<b>A</b>		В	С	D	E	F	G B * (C Thru F)	Н	l H * (G/60)
ADDITIONAL LABOR INSTALLATION - OVERTIME (PER	HALF HOUR)								
*ADD*	·								
-INSTALL/MTCE. L50 (per half hour) ADDITIONAL LABOR INSTALLATION - OVERTIME									\$6.53
Subtotal - INSTALL/MTCE. L50 (per half hour)							0.00		\$6.53

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work them A	Time Ministes B	Prob #1 C	Prob Prob #2 #3 D E		d Time Labor des) /Hour	Coat
				B * (C -	hru F)	H * (G/60)

# ADDITIONAL LABOR INSTALLATION - OVERTIME (PER HALF HOUR) (con't,

18767 Offset Cost			\$6.53
19768			
18769	Cost	Cost	
18770	Calculation	Factor	Cost
18771	8 C	D	E
18772 Marketing & Business Fees			
18773 Product Management Expense	D18773*E18767	0.019957	\$0.13
18774 Sales Expense	D18774*E18767	0.011877	\$0.08
18775 Product Advertising Expense	D18775*E18767	0.000000	\$0.00
18776 Business Fees (Other Operating Taxes)	D18776*Sum(E18767:E18775)	0.001483	\$0.01
18777 Total Marketing & Business Fees	Sum(E18767:E18776)		\$0.22
18778			
18779 Sub-Total Direct Cost & Marketing	E18767+E18777		\$6.75
18780			
18781 Other Direct Expenses			
18782 Network Operations	D18782*E18779	0.034832	\$0.24
18783 Network Support Assets	D18783*E18779	0.014703	\$0.10
18784 General Support Assets	D18784*E18779	0.088742	\$0.60
18785 General Purpose Computers	D18785*E18779	0.043342	\$0.29
18786 Uncollectible	D18786*E18779	0.003786	\$0.03
18787 Accounting & Finance Expense	D18787*E18779	0.007346	\$0.05
18788 Human Resources Expense	D18788*E18779	0.008294	\$0.06
18789 Information Management Expense	D18789*E18779	0.070887	\$0.48
18790 Intangibles	D18790*E18779	0.000000	\$0.00
18791 Total Other Direct Expenses	Sum(E18782:E18790)		\$1.83
18792			
18793 TELRIC	E18782+E18791		\$8.58
18794			
18795 Common	-		
18796 Executive Expense	D18796*E18793	0.011267	\$0.10
18797 Planning Expense	D18797*E18793	0.000525	\$0.00
18798 External Relations Expense	D18798*E18793	0.037846	\$0.32
18799 Legal Expense	D18799*E18793	0.004717	\$0.04
18800 Other Procurement Expense	D18800*E18793	0.001860	\$0.02
18801 Research & Development Expense	D18801*E18793	0.00006	\$0.00
18802 Other General and Admin Expense	D18802*E18793	0.015064	\$0,13
18803 Common Costs	Sum(E18796:E18802)		\$0.61
18804	·····		
18805 TELRIC + Common Costs	E18793+E18803		\$9.19

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prot	Prob Ap		bor
Work Ren	Minutes	#1	#2 #3		Minutes) /H	our Cost
A	₿	Ç	U E	<b>-</b>	Gi	H I
				в*	(C Thru F)	H * (G/60)

#### ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR)

\*ADD\*

-INSTALL/MTCE. L50 (per half hour)
ADDITIONAL LABOR INSTALLATION - PREMIUM

\$13.06

Subtotal - INSTALL/MTCE. L50 (per half hour)	0.00	\$13.06
		640.00
Total For Service:	0.00	\$13.06

# CONTINUATION

# [ 54 ]

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rent A	Time Minutes B	ob Prob 2 #3 ) E	Prob Applied Time #4 (Minutes) F G	Lebor Afout Cost
			B * (C Thru F)	H * (G/60)

# ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR) (con't,

18857 Direct Cost			\$13.08
18858			
18859	Cost	Cost	
18860	Calculation	Factor	Cost
18861	в с	D	E
18862 Marketing & Business Fees			
18863 Product Management Expense	D18863*E18857	0.019957	\$0.26
18864 Sales Expense	D18864*E18857	0.011877	\$0.16
18865 Product Advertising Expense	D18865*E18857	0.000000	\$0.00
18866 Business Fees (Other Operating Taxes)	D18866*Sum(E18857;E18865)	0.001483	\$0.02
18867 Total Marketing & Business Fees	Sum(E18857;E18866)		\$0.44
18868			
18869 Sub-Total Direct Cost & Marketing	E18857+E18867		\$13.50
18870			
18871 Other Direct Expenses			
18872 Network Operations	D18872*E18869	0.034832	\$0.47
18873 Network Support Assets	D18873*E18869	0.014703	\$0.20
18874 General Support Assets	D18874*E18869	0.088742	\$1.20
18875 General Purpose Computers	D18875*E18869	0.043342	\$0.58
18876 Uncollectible	D18876*E18869	0.003786	\$0.05
18877 Accounting & Finance Expense	D18877*E18869	0.007346	\$0.10
18878 Human Resources Expense	D18678*E18669	0.008294	\$0.11
18879 Information Management Expense	D18879*E18869	0.070887	\$0.96
18880 Intangibles	D18880*E18869	0.000000	\$0.00
18881 Total Other Direct Expenses	Sum(E18872:E18880)		\$3.67
18862			
18883 TELRIC	E18872+E19881		\$17.17
18884			
18885 Common			
18886 Executive Expense	D18886*E18883	0.011267	\$0.19
18887 Planning Expens∈	D18887*E18883	0.000525	\$0.01
18888 External Relations Expens∈	D18888*E18883	0.037846	\$0.65
18889 Legal Expense	D16689*E16883	0.004717	\$0.08
18890 Other Procurement Expense	D18890*E18883	0.001860	\$0.03
18891 Research & Development Expense	D18891*E18883	0.000006	\$0.00
18892 Other General and Admin Expense	D18892*E18883	0.015064	\$0.26
18893 Common Costs	Sum(E18886:E18892)		\$1.22
18894			
18895 TELRIC + Common Costs	E18883+E18893		\$18.39

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time #1 (Minutes)	Labor Alour Cost
A	В	C	0	E	F G	H 1
					B * (C Thru F)	H * (G/60)

ADDITIONAL LABOR OTHER - BASIC (PER HALF HOUR)

\*ADD\*

-INSTALL/MTCE. L50 (per half hour)
MAINTENANCE OF SERVICE - BASIC

\$20.02

Subtotal - INSTALL/MTCE. L50 (per half hour)	0.00	\$20.02
Total For Service:	0.00	\$20.02

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work float A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #V	Applied Time (Minutes) G	Labor Hour	Cost
						B * (C Thru F)		H * (G/60)

# ADDITIONAL LABOR OTHER - BASIC (PER HALF HOUR) (con't)

18947 Direct Cost			\$20.02
18948			
18949	Cost	Cost	
18950	Calculation	Factor	Cost
18951	B C	D	E
18952 Marketing & Business Fees			
18953 Product Management Expense	D18953*E18947	0.019957	\$0.40
18954 Sales Expense	D18954*E18947	0.011877	\$0.24
18955 Product Advertising Expense	D18955*E18947	0.000000	\$0.00
18956 Business Fees (Other Operating Taxes)	D18956*Sum(E18947;E18955)	0.001483	\$0.03
18957 Total Marketing & Business Fees	Sum(E18947;E18956)		\$0.67
18958	<del></del>		
18959 Sub-Total Direct Cost & Merketing	£18947+£18957		\$20.69
18960			
18961 Other Direct Expenses			
18962 Network Operations	D18962*E18959	0.034832	\$0.72
18963 Network Support Assets	D18963*E18959	0.014703	\$0.30
18964 General Support Assets	D18964*E18959	0.088742	\$1.84
18965 General Purpose Computers	D18965*E18959	0.043342	\$0.90
18966 Uncollectible	D18966*E18959	0.003786	\$0.08
18967 Accounting & Finance Expense	D18967*E18959	0.007346	\$0.15
18968 Human Resources Expense	D18968*E18959	0.008294	\$0.17
18969 Information Management Expens∈	D18969*E18959	0.070887	\$1.47
18970 Intangibles	D18970*E18959	0.000000	\$0.00
18971 Total Other Direct Expenses	Sum(E18962:E18970)		\$5.63
18972			
18973 TELRIC	E18962+E18971		\$26.31
18974			
18975 Common			
18976 Executive Expense	D18976*E18973	0.011267	\$0.30
18977 Planning Expense	D18977*E18973	0.000525	\$0.01
18978 External Relations Expens∈	D18978*E18973	0.037846	\$1.00
18979 Legal Expense	D18979*E18973	0.004717	\$0.12
18980 Other Procurement Expense	D18980*E18973	0.001860	\$0.05
18981 Research & Development Expense	D18981*E18973	0.000006	\$0.00
18982 Other General and Admin Expense	D18982*E18973	0.015064	\$0.40
18983 Common Costs	Sum(E18976:E18982)		\$1.88
18984			
18985 TELRIC + Common Costs	E16973+E18983		\$28.19

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Barn	Time Minutee	Prob #1	Prob #2	Prob #3	Prob Applied Time #4 (Minutes)	Labor Mour Cost
A	В				F G	H
					B * (C Thru F)	H * (G/60)

ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR)

\*ADD\*

-INSTALL/MTCE. L50 (per half hour)
MAINTENANCE OF SERVICE - OVERTIME

\$26.74

Subtotal - INSTALL/MTCE. L50 (per half hour)	0.00	\$26.74
Total For Service:	0.00	\$26.74

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work State	Time Minutes	Prob #1	Prob #2		rab Applied Time #4 (Minutes)	Lebor Mour Cost
	В	C	D	E	F G	H
					B * (C Thru F)	H * (G/60)

# ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR) (con't)

19037 Direct Coot			\$26.74
19038			
19039	Cost	Cost	
19040	Calculation	Factor	Cost
19041	B C	Ð	E
19042 Marketing & Business Fees			201200000000000000000000000000000000000
19043 Product Management Expense	D19043*E19037	0.019957	\$0.53
19044 Sales Expense	D19044*E19037	0.011877	\$0.32
19045 Product Advertising Expense	D19045*E19037	0.000000	\$0.00
19046 Business Fees (Other Operating Taxes)	D19046*Sum(E19037:E19045)	0.001483	\$0.04
19047 Total Marketing & Business Fees	Sum(E19037:E19046)		\$0.89
19048			
19049 Sub-Total Direct Cost & Marketing	E19037+E19047		\$27.63
19050			
19051 Other Direct Expenses			
19052 Network Operations	D19052*E19049	0.034832	\$0.96
19053 Network Support Assets	D19053*E19049	0.014703	\$0.41
19054 General Support Assets	D19054*E19049	0.088742	\$2.45
19055 General Purpose Computers	D19055*E19049	0.043342	\$1.20
19056 Uncollectible	D19056*E19049	0.003786	\$0.10
19057 Accounting & Finance Expense	D19057*E19049	0.007346	\$0.20
19058 Human Resources Expense	D19058*E19049	0.008294	\$0.23
19059 Information Management Expense	D19059*E19049	0.070887	\$1.96
19060 Intangibles	D19060*E19049	0.000000	\$0.00
19061 Total Other Direct Expenses	Sum(E19052:E19060)		\$7.51
19062			
19063 TELRIC	E19052+E19061		\$35.15
19064			
19065 Common			
19066 Executive Expense	D19066*E19063	0.011267	\$0.40
19067 Planning Expense	D19067*E19063	0.000525	\$0.02
19068 External Relations Expense	D19068*E19063	0.037846	\$1.33
19069 Legal Expense	D19069*E19063	0.004717	\$0.17
19070 Other Procurement Expense	D19070*E19063	0.001860	\$0.07
19071 Research & Development Expense	D19071*E19063	0.000006	\$0.00
19072 Other General and Admin Expense	D19072*E19063	0.015064	\$0.53
19073 Common Costs	Sum(E19066:E19072)		\$2.51
19074			
19075 TELRIC + Common Costs	E19063+E19073		\$37.65

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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0.00

Date: 06/03/02

\$33.47

Work Bern	Time Minutes	Prot #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
<b>A</b>	В	С	D	E	F	G B * (C Thru F)	н	H * (G/60)
ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR)								
*ADD*								
- <u>INSTALL/MTCE. L50 (per half hour)</u> MAINTENANCE OF SERVICE - PREMIUM								\$33.47
Subtotal - INSTALL/MTCE. L50 (per half hour)						0.00		\$33.47

Study Name: NONRECURRING ELEMENTS

and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4	Applied Time (Minutes) G	Lebor /Hour H	Cost
						B * (C Thru F)		H * (G/60)

#### ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR) (con't,

19127 Direct Cost			\$33.47
19128			
19129	Cost	Cost	
19130	Calculation	Factor	Cost
19131	8 C	D	8
19132 Marketing & Business Fees			
19133 Product Management Expense	D19133*E19127	0.019957	\$0.67
19134 Sales Expense	D19134*E19127	0.011877	\$0.40
19135 Product Advertising Expense	D19135*E19127	0.000000	\$0.00
19136 Business Fees (Other Operating Taxes)	D19136*Sum(E19127:E19135)	0.001483	<u>\$0.05</u>
19137 Total Marketing & Business Fees	Sum(E19127:E19136)		\$1.12
19138			
19139 Sub-Total Direct Cost & Marketing	E19127+E19137		\$34.59
19140	_		
19141 Other Direct Expenses			
19142 Network Operations	D19142*E19139	0.034832	\$1.20
19143 Network Support Assets	D19143*E19139	0.014703	\$0.51
19144 General Support Assets	D19144*E19139	0.088742	\$3.07
19145 General Purpose Computers	D19145*E19139	0.043342	\$1.50
19146 Uncollectible	D19146*E19139	0.003786	\$0.13
19147 Accounting & Finance Expense	D19147°E19139	0.007346	\$0.25
19148 Human Resources Expense	D19148*E19139	0.008294	\$0.29
19149 Information Management Expense	D19149*E19139	0.070887	\$2.45
19150 Intangibles	D19150*E19139	0.000000	\$0.00
19151 Total Other Direct Expenses	Sum(E19142:E19150)		\$9.41
19152			
19163 TELRIC	E19142+E19151		\$43.99
19154			
19155 Common			
19156 Executive Expense	D19156*E19153	0.011267	\$0.50
19157 Planning Expens€	D19157*E19153	0.000525	\$0.02
19158 External Relations Expense	D19158*E19153	0.037846	\$1.66
19159 Legal Expense	D19159*E19153	0.004717	\$0.21
19160 Other Procurement Expense	D19160*E19153	0.001860	\$0.08
19161 Research & Development Expense	D19161°E19153	0.000006	\$0.00
19162 Other General and Admin Expense	D19162*E19153	0.015064	\$0.66
19163 Common Costs	Sum(E19156:E19162)		\$3.14
19164			
19165 TELRIC + Common Costs	E19153+E19163		\$47.13

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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\$21.27

0.00

Time From From From From From From From From	
A B C D E	B*(CThruF) H*(G/60)
TESTING AND MAINTENANCE - BASIC (PER HALF HOUR)	
*ADD*	
-C.O. MTCE. L40 (per half hour) TESTING AND MAINTENANCE - BASIC	\$21.27
Subtotal - C.O. MTCE, L40 (per half hour)	0.00 \$21.27

Study Name: NONRECURRING ELEMENTS

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Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work A	(Nom.)	Time Minutes B	Prob         Pro           #1         #2           C         D	Prob Applied Time #4 (Minutes) F G	Labor Note Cost H
				B * (C Thru F)	H * (G/60)

#### TESTING AND MAINTENANCE - BASIC (PER HALF HOUR) (con't,

19217 Direct Cost			521 27
19218			
19219	Cost	Cost	
19220	Calculation	Factor	Cost
19221	B C	Ð	E
19222 Marketing & Business Fees			
19223 Product Management Expense	D19223*E19217	0.019957	\$0.42
19224 Sales Expense	D19224*E19217	0.011877	\$0.25
19225 Product Advertising Expense	D19225*E19217	0.000000	\$0.00
19226 Business Fees (Other Operating Taxes)	D19226*Sum(E19217;E19225)	0.001483	\$0.03
19227 Total Marketing & Business Fees	Sum(E19217:E19226)		\$0.71
19228			
19229 Sub-Total Direct Cost & Marketing	E19217+E19227		\$21.98
19230			
19231 Other Direct Expenses			
19232 Network Operations	D19232*E19229	0.034832	\$0.77
19233 Network Support Assets	D19233*E19229	0.014703	\$0.32
19234 General Support Assets	D19234*E19229	0.088742	\$1.95
19235 General Purpose Computers	D19235*E19229	0.043342	\$0.95
19236 Uncollectible	D19236*E19229	0.003786	\$0.08
19237 Accounting & Finance Expense	D19237*E19229	0.007346	\$0.16
19238 Human Resources Expense	D19238*E19229	0.008294	\$0.18
19239 Information Management Expens∈	D19239*E19229	0.070887	\$1.56
19240 Intangibles	D19240*E19229	0.000000	\$0.00
19241 Total Other Direct Expenses	Sum(E19232:E19240)		\$5.98
19242			
19243 TELRIC	E19232+E19241		\$27.96
19244			
19245 Common			
19246 Executive Expense	D19246*E19243	0.011267	\$0.32
19247 Planning Expense	D19247*E19243	0.000525	\$0.01
19248 External Relations Expense	D19248*E19243	0.037846	\$1.06
19249 Legal Expense	D19249*E19243	0.004717	\$0.13
19250 Other Procurement Expense	D19250*E19243	0.001860	\$0.05
19251 Research & Development Expense	D19251*E19243	0.000006	\$0.00
19252 Other General and Admin Expense	D19252*E19243	0.015064	\$0.42
19253 Common Costs	Sum(E19246:E19252)		\$1.99
19254			
			\$29.95

Study Name: NONRECURRING ELEMENTS Study Year: 2002

where  $\alpha$  is the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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0.00

Date: 06/03/02

\$28.41

Tims Prob Prob Prob Prob Prob Prob Prob Prob	Applied Time Labo (Minetes) Mos	
A B C D E F	G H B*(CThru F)	I H * (G/60)
	, ,	
TESTING AND MAINTENANCE - OVERTIME (PER HALF HOUR)		
*ADD*		
-C.O. MTCE. L40 (per half hour) TESTING AND MAINTENANCE - OVERTIME		\$28.41
Subtotal - C.O. MTCE. L40 (per half hour)	0.00	\$28.41

Study Name: NONRECURRING ELEMENTS

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State: South Dakota

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Work from	Time • Minutes	Prob #1	Prob Prob	Prob Appiled Time #4 (Minutes)	Lebor Mour Cost
A	В	C	D E	F G	H
				B * (C Thru F)	H * (G/60)

# TESTING AND MAINTENANCE - OVERTIME (PER HALF HOUR) (con't,

19307 Direct Cost			\$28,41
19308			
19309	Cost	Cost	
19310	Calculation	Factor	Cost
19311	B C	D	E
19312 Marketing & Business Fees			and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th
19313 Product Management Expense	D19313*E19307	0.019957	\$0.57
19314 Sales Expense	D19314*E19307	0.011877	\$0.34
19315 Product Advertising Expense	D19315*E19307	0.000000	\$0.00
19316 Business Fees (Other Operating Taxes)	D19316*Sum(E19307:E19315)	0.001483	\$0.04
19317 Total Merketing & Business Fees	Sum(E19307:E19316)		\$0.95
19318			
19319 Sub-Total Direct Cost & Marketing	E19307+E19317		\$29.36
19320			
19321 Other Direct Expenses			
19322 Network Operations	D19322*E19319	0.034832	\$1.02
19323 Network Support Assets	D19323*E19319	0.014703	\$0.43
19324 General Support Assets	D19324*E19319	0.088742	\$2.61
19325 General Purpose Computers	D19325°E19319	0.043342	\$1.27
19326 Uncollectible	D19326*E19319	0.003786	\$0.11
19327 Accounting & Finance Expense	D19327*E19319	0.007346	\$0.22
19328 Human Resources Expense	D19328*E19319	0.008294	\$0.24
19329 Information Management Expense	D19329*E19319	0.070887	\$2.08
19330 Intangibles	D19330*E19319	0.000000	\$0.00
19331 Total Other Direct Expenses	Sum(E19322:E19330)		\$7.98
19332			
19333 TELRIC	E19322+E19331		\$37.34
19334			
19335 Common			
19336 Executive Expense	D19336°E19333	0.011267	\$0.42
19337 Planning Expense	D19337*E19333	0.000525	\$0.02
19338 External Relations Expense	D19338*E19333	0.037846	\$1.41
19339 Legal Expense	D19339*E19333	0.004717	\$0.18
19340 Other Procurement Expense	D19340*E19333	0.001860	\$0.07
19341 Research & Development Expense	D19341*E19333	0.000006	\$0.00
19342 Other General and Admin Expense	D19342*E19333	0.015064	\$0.56
19343 Common Costs	Sum(E19336:E19342)		\$2.66
19344			
19345 TELRIC + Common Costs	E19333+E19343		\$40.00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

Subtotal - C.O. MTCE. L40 (per half hour)

State: South Dakota

Total For Service:

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0.00

Date: 06/03/02

\$35.55

\$35.55

Work than	Time Minutes	Prob #1	Prot #2	Prob #1	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	С	D	E	F	G B * (C Thru F)	H	J H * (G/60)
TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR;								
*ADD*								
-C.O. MTCE. L40 (per half hour) TESTING AND MAINTENANCE - PREMIUM								\$35.55

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob Prob			abor Hour Cost
	₿	C D	E	Ğ	H
				B * (C Thru F)	H * (G/60)

# TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR) (con't,

the work of the formation

19398	19397 Direct Cost			\$35.55
19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     19400     1940				
19401	19399	Cost	Cost	
19402   Marketing & Businese Fees   19403*E13937   0.019957   S0.71     19404 Sales Expense   D19404*E13937   0.011977   S0.42     19405 Product Advertising Expense   D19404*E13937   0.000000   S0.00     19406 Business Fees (Other Operating Taxes)   D19406*Sun(E19397:E19405)   0.001403   S0.05     19407   Total Marketing & Business Fees   Sum(E19397:E19405)   0.001403   S0.05     19408   Sub-inses Fees (D19406*Sun(E19397:E19405)   0.001403   S0.05     19407   Total Marketing & Business Fees   Sum(E19397:E19405)   S1.19     19408   Sub-Total Direct Cost & Marketing   E19397+E19407   S36.74     19410   Sub-Total Direct Cost & Marketing   E19397+E19407   S36.74     19410   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Cost & Marketing   Sub-Total Direct Expenses   D19412*E19409   O.034822   S1.28     19413 Network Operations & D19413*E19409   O.034822   S1.28     19415 General Purpose Computers   D19417*E19409   O.003786   S0.14     19417 Accounting & Finance Expense   D19417*E19409   O.003786   S0.14     19418 Human Resources Expense   D19419*E19409   O.003786   S0.14     19419 Human Resources Expense   D19419*E19409   O.003786   S0.00     19420 Intampliels   D19429*E19409   O.003786   S0.00     19421 Total Other Direct Expenses   D19429*E19423   O.001680   S0.00     19422 Expense   D19429*E19423   O.004717   S0.22     19423 TELRIC   E19412*E19429   O.004717   S0.22     19430 Other Procurement Expense   D19429*E19423   O.004717   S0.22     19430 Other Procurement Expense   D19429*E19423   O.00568   S0.00     1	19400	Calculation	Factor	Cost
19403   Product Management Expense   D19403*E19397   0.019657   S0.71     19404   Sales Expense   D19404*E19397   0.011877   S0.42     19405   Product Advertising Expense   D19405*E19397   0.000000   S0.00     19406   Business Fees (Other Operating Taxes)   D19406*Sum(E19397:E19406)   0.001483   S0.05     19407   Total Marketing & Business Fees   Business Fees   Sum(E19397:E19406)   S1.19     19408   Sub-Total Direct Cost & Marketing   E19397+E19407   S36.74     19410   Other Direct Expenses   S1.28     19411   Other Direct Expenses   S1.28     19413   Network Operations   D19412*E19409   0.034832   \$1.28     19413   Network Support Assets   D19413*E19409   0.014703   \$0.54     19414   General Support Assets   D19413*E19409   0.04342   \$1.59     19415   General Purpose Computers   D19415*E19409   0.04342   \$1.59     19416   Horouting & Finance Expense   D19416*E19409   0.003786   \$0.14     19417   Accounting & Finance Expense   D19416*E19409   0.007346   \$0.27     19418   Human Resources Expense   D19416*E19409   0.007346   \$0.27     19418   Human Resources Expense   D19416*E19409   0.007346   \$0.27     19419   Information Management Expense   D19416*E19409   0.007088   \$2.66     19420   Intangibles   D19420*E19409   0.00000   \$0.00     19421   Total Other Direct Expenses   D19420*E19409   0.00000   \$0.00     19422   Total Other Direct Expenses   D19420*E19409   0.00000   \$0.00     19425   TELRIC   E19412   \$46.73     19426   Executive Expense   D19420*E19409   0.000625   \$0.02     19426   External Relations Expense   D19420*E19409   0.000625   \$0.02     19426   External Relations Expense   D19420*E19423   0.001860   \$0.00     19421   E19423   0.001860   \$0.00     19432   Ethernal Relations Expense   D19430*E19423   0.001860   \$0.00     19432   External Relations Expense   D19430*E19423   0.001860   \$0.00     19433   Common Costs   D19430*E19423   0.001860   \$0.00     19433   Common Costs   D19430*E19423   0.01564   \$0.70     19434	19401	B C	D	E
19403   Product Management Expense   D19403*E19397   0.019657   S0.71     19404   Sales Expense   D19404*E19397   0.011877   S0.42     19405   Product Advertising Expense   D19405*E19397   0.000000   S0.00     19406   Business Fees (Other Operating Taxes)   D19406*Sum(E19397:E19406)   0.001483   S0.05     19407   Total Marketing & Business Fees   Business Fees   Sum(E19397:E19406)   S1.19     19408   Sub-Total Direct Cost & Marketing   E19397+E19407   S36.74     19410   Other Direct Expenses   S1.28     19411   Other Direct Expenses   S1.28     19413   Network Operations   D19412*E19409   0.034832   \$1.28     19413   Network Support Assets   D19413*E19409   0.014703   \$0.54     19414   General Support Assets   D19413*E19409   0.04342   \$1.59     19415   General Purpose Computers   D19415*E19409   0.04342   \$1.59     19416   Horouting & Finance Expense   D19416*E19409   0.003786   \$0.14     19417   Accounting & Finance Expense   D19416*E19409   0.007346   \$0.27     19418   Human Resources Expense   D19416*E19409   0.007346   \$0.27     19418   Human Resources Expense   D19416*E19409   0.007346   \$0.27     19419   Information Management Expense   D19416*E19409   0.007088   \$2.66     19420   Intangibles   D19420*E19409   0.00000   \$0.00     19421   Total Other Direct Expenses   D19420*E19409   0.00000   \$0.00     19422   Total Other Direct Expenses   D19420*E19409   0.00000   \$0.00     19425   TELRIC   E19412   \$46.73     19426   Executive Expense   D19420*E19409   0.000625   \$0.02     19426   External Relations Expense   D19420*E19409   0.000625   \$0.02     19426   External Relations Expense   D19420*E19423   0.001860   \$0.00     19421   E19423   0.001860   \$0.00     19432   Ethernal Relations Expense   D19430*E19423   0.001860   \$0.00     19432   External Relations Expense   D19430*E19423   0.001860   \$0.00     19433   Common Costs   D19430*E19423   0.001860   \$0.00     19433   Common Costs   D19430*E19423   0.01564   \$0.70     19434	19402 Marketing & Business Fees			
1940   Sales Expense   D1940**E19397   0.011877   S0.42   19405 Product Advertising Expense   D19405*E19397   0.000000   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.00   S0.		D19403°E19397	0.019957	\$0.71
19405 Product Adventising Expense   D19406*E19397   0.000000   \$0.00     19406 Business Fees (Other Operating Taxes)   0.001483   \$0.05     19407   Total Marketing & Business Fees   Sum (E19397:E19405)   0.001483   \$0.05     19408	•	D19404*E19397	0.011877	\$0,42
19406 Business Fees (Other Operating Taxes)		D19405*E19397	0.000000	\$0.00
1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940    1940		D19406*Sum(E19397;E19405)	0.001483	-
19408   19409   Sub-Total Direct Cost & Marketing   E18397+E19407   \$36.74       19411   Other Direct Expenses       19411   Other Direct Expenses       19413   Network Operations   D19412*E19409   0.014703   \$0.54     19414   General Support Assets   D19413*E19409   0.014703   \$0.54     19415   General Purpose Computers   D19414*E19409   0.088742   \$3.26     19415   General Purpose Computers   D19416*E19409   0.003746   \$1.59     19416   Uncollectible   D19416*E19409   0.003766   \$0.14     19417   Accounting & Finance Expense   D19416*E19409   0.003766   \$0.27     19418   Human Resources Expense   D19416*E19409   0.003766   \$0.27     19419   Information Management Expense   D19416*E19409   0.07046   \$0.27     19420   Intangibles   D19419*E19409   0.070887   \$2.80     19421   Total Other Direct Expenses   D19416*E19409   0.00000   \$0.00     19421   Total Other Direct Expenses   D19416*E19409   0.00000   \$0.00     19422   Total Other Direct Expenses   D19426*E19429   0.00000   \$0.00     19424   19425   Common				
1940  Sub-Total Direct Cost & Marketing   E19397+E19407   \$36.74         19410				<u> </u>
19410   19411   Other Direct Expenses   19412 Network Operations   D19412*E19409   0.034832   \$1.28   19413 Network Support Assets   D19413*E19409   0.014703   \$0.54   19414 General Support Assets   D19413*E19409   0.088742   \$3.26   19415 General Purpose Computers   D19415*E19409   0.083742   \$1.59   19416 Uncollectible   D19416*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19416*E19409   0.007346   \$0.27   19418 Human Resources Expense   D19417*E19409   0.007346   \$0.27   19419*Information Management Expense   D19418*E19409   0.008294   \$0.30   19419 Information Management Expense   D19419*E19409   0.070887   \$2.60   19420 Intangibles   D19420*E19409   0.000000   \$0.00   \$0.00   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9420   \$1.9		E19397+E19407		\$36.74
19412 Network Operations   D19412*E19409   0.034832   \$1.28   19413 Network Support Assets   D19413*E19409   0.014703   \$0.54   19414 Eneral Support Assets   D19414*E19409   0.088742   \$3.26   19415 General Purpose Computers   D19416*E19409   0.088742   \$3.53   19415 General Purpose Computers   D19415*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19416*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19417*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19417*E19409   0.000294   \$0.30   19419 Information Management Expense   D19418*E19409   0.000294   \$0.30   19419 Information Management Expense   D19420*E19409   0.000000   \$0.00   19420   Intangibles   D19420*E19409   0.000000   \$0.00   19420*E19409   0.000000   \$0.90   19420*E19409   0.000000   \$0.90   19420*E19409   19420*E19409   0.000000   \$0.90   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.90   19420*E19420   \$9.99   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19				
19412 Network Operations   D19412*E19409   0.034832   \$1.28   19413 Network Support Assets   D19413*E19409   0.014703   \$0.54   19414 Eneral Support Assets   D19414*E19409   0.088742   \$3.26   19415 General Purpose Computers   D19416*E19409   0.088742   \$3.53   19415 General Purpose Computers   D19415*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19416*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19417*E19409   0.003786   \$0.14   19417 Accounting & Finance Expense   D19417*E19409   0.000294   \$0.30   19419 Information Management Expense   D19418*E19409   0.000294   \$0.30   19419 Information Management Expense   D19420*E19409   0.000000   \$0.00   19420   Intangibles   D19420*E19409   0.000000   \$0.00   19420*E19409   0.000000   \$0.90   19420*E19409   0.000000   \$0.90   19420*E19409   19420*E19409   0.000000   \$0.90   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.99   19420*E19420   \$9.90   19420*E19420   \$9.99   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19420*E19420   \$9.90   19	19411 Other Direct Expenses			
19413 Network Support Assets   D19413*E19409   0.014703   \$0.54     19414 General Support Assets   D19414*E19409   0.086742   \$3.26     19415 General Purpose Computers   D19415*E19409   0.003786   \$1.59     19416 Uncollectible   D19416*E19409   0.003786   \$0.14     19417 Accounting & Finance Expense   D19417*E19409   0.007346   \$0.27     19418 Human Resources Expense   D19418*E19409   0.007346   \$0.27     19418 Human Resources Expense   D19418*E19409   0.008294   \$0.30     19420 Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Tetril C   E19412+E19421   \$46.73     19424   Sexecutive Expense   D19426*E19423   0.011267   \$0.53     19427 Planning Expense   D19426*E19423   0.00525   \$0.02     19428 Executive Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$1.77     19430 Coher Procurement Expense   D19430*E19423   0.004717   \$0.22     19431 Research & Development Expense   D19431*E19423   0.00006   \$0.00     19432 Other Procurement Expense   D19431*E19423   0.001860   \$0.09     19433   Common Costs   Sum(E19426:E19423   0.015064   \$0.70     19433   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Common Costs   Sum(E19426:E19432)   \$3.33     19435   Common Costs   Sum(E19426:E19432)   \$3.33     19436   Common Costs   Sum(E19426:E19432)   \$3.33     19437   Common Costs   Sum(E		D19412*E19409	0.034832	\$1.28
19414 General Support Assets		D19413*E19409	0.014703	\$0.54
19416 Uncollectible   D19416*E19409   0.003786   \$0.14     19417 Accounting & Finance Expense   D19417*E19409   0.007346   \$0.27     19418 Human Resources Expense   D19418*E19409   0.008294   \$0.30     19419 Information Management Expense   D19419*E19409   0.007887   \$2.60     19420 Intangibles   D19420*E19409   0.000000     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Tetric Other Direct Expenses   Sum(E19412:E19421   \$46.73     19424		D19414*E19409	0.088742	\$3.26
19416 Uncollectible   D19416*E19409   0.003786   \$0.14     19417 Accounting & Finance Expense   D19417*E19409   0.007346   \$0.27     19418 Human Resources Expense   D19418*E19409   0.008294   \$0.30     19419 Information Management Expense   D19419*E19409   0.070887   \$2.60     19420 Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Total Other Direct Expenses   Sum(E19412:E19421   \$46.73     19424   19425 Common     19426 Executive Expense   D19426*E19423   0.011267   \$0.53     19427 Planning Expense   D19426*E19423   0.000525   \$0.02     19428 External Relations Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$1.77     19429 Legal Expense   D19428*E19423   0.007846   \$0.00     19431 Research & Development Expense   D19430*E19423   0.001860   \$0.00     19432 Other General and Admin Expense   D19431*E19423   0.00006   \$0.00     19433   Common Costs   Sum(E19426:E19432)   \$3.33     19434   \$19434   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$1.77   \$		D19415°E19409	0.043342	\$1.59
19418 Human Resources Expense   D19418*E19409   0.008294   \$0.30     19419 Information Management Expense   D19419*E19409   0.070887   \$2.60     19420 Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Tellic   E19412*E19421   \$46.73     19423   TELRIC   E19412*E19421   \$46.73     19424   Tellic   E19425   E19412*E19423   0.011267   \$0.53     19426   Executive Expense   D19426*E19423   0.000525   \$0.02     19428   External Relations Expense   D19428*E19423   0.037846   \$1.77     19429   Legal Expense   D19429*E19423   0.007816   \$1.77     19429   Legal Expense   D19429*E19423   0.007816   \$0.09     19431   Research & Development Expense   D19430*E19423   0.001860   \$0.09     19431   Research & Development Expense   D19431*E19423   0.00006   \$0.00     19432   Other General and Admin Expense   D19431*E19423   0.00006   \$0.00     19433   Common Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs		D19416*E19409	0.003786	\$0,14
19418 Human Resources Expense   D19418*E19409   0.008294   \$0.30     19419 Information Management Expense   D19419*E19409   0.070887   \$2.60     19420 Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Tellic   E19412*E19421   \$46.73     19423   TELRIC   E19412*E19421   \$46.73     19424   Tellic   E19425   E19412*E19423   0.011267   \$0.53     19426   Executive Expense   D19426*E19423   0.000525   \$0.02     19428   External Relations Expense   D19428*E19423   0.037846   \$1.77     19429   Legal Expense   D19429*E19423   0.007816   \$1.77     19429   Legal Expense   D19429*E19423   0.007816   \$0.09     19431   Research & Development Expense   D19430*E19423   0.001860   \$0.09     19431   Research & Development Expense   D19431*E19423   0.00006   \$0.00     19432   Other General and Admin Expense   D19431*E19423   0.00006   \$0.00     19433   Common Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs   Other Costs	19417 Accounting & Finance Expense	D19417*E19409	0.007346	\$0.27
19420   Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422		D19418*E19409	0.008294	\$0.30
19420   Intangibles   D19420*E19409   0.000000   \$0.00     19421   Total Other Direct Expenses   Sum(E19412:E19420)   \$9.99     19422   Sum(E19412:E19421   \$46.73     19423   TELRIC   E19412+E19421   \$46.73     19424   19425   Common     19426   Executive Expense   D19426*E19423   0.011267   \$0.53     19427   Planning Expense   D19427*E19423   0.000525   \$0.02     19428   External Relations Expense   D19426*E19423   0.037846   \$1.77     19429   Legal Expense   D19426*E19423   0.007864   \$1.77     19429   Legal Expense   D19426*E19423   0.007866   \$0.00     19430   Other Procurement Expense   D19430*E19423   0.001860   \$0.00     19431   Research & Development Expense   D19431*E19423   0.000006   \$0.00     19432   Other General and Admin Expense   D19431*E19423   0.015064   \$0.70     19433   Common Costs   Sum(E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E19426:E19432)   \$3.33     19434   Figure Sum (E1	19419 Information Management Expense	D19419*E19409	0.070887	\$2.60
19422  19423 TELRIC  19424  19425 Common  19426 Executive Expense  19426 Executive Expense  19427 Planning Expense  19428 External Relations Expense  19429 Legal Expense  19429 Legal Expense  19430 Other Procurement Expense  19430 Other Procurement Expense  19431 Research & Development Expense  19432 Other General and Admin Expense  19433 Common Costs  19434  19434		D19420*E19409	0.000000	\$0.00
19423 TELRIC   E19412+E19421   \$46.73     19424   19425 Common	19421 Total Other Direct Expenses	Sum(E19412:E19420)		\$9.99
19424 19425 Common 19426 Executive Expense 19427 Planning Expense 19428 External Relations Expense 19428 External Relations Expense 19429 Legal Expense 19429 Legal Expense 19430 Other Procurement Expense 19430 Other Procurement Expense 19431 Research & Development Expense 19432 Other General and Admin Expense 19433 Common Costs 19434	19422			
19425 Common       D19426*E19423       0.011267       \$0.53         19426 Executive Expense       D19427*E19423       0.00525       \$0.02         19427 Planning Expense       D19428*E19423       0.00525       \$0.02         19428 External Relations Expense       D19428*E19423       0.037846       \$1.77         19429 Legal Expense       D19429*E19423       0.004717       \$0.22         19430 Other Procurement Expense       D19430*E19423       0.001860       \$0.09         19431 Research & Development Expense       D19431*E19423       0.000006       \$0.00         19432 Other General and Admin Expense       D19432*E19423       0.015064       \$0.70         19433 Common Costs       Sum(E19426:E19432)       \$3.33         19434       19434       19434       \$0.000000       \$0.00	19423 TELRIC	E19412+E19421		\$46.73
19426 Executive Expense   D19426*E19423   0.011267   \$0.53     19427 Planning Expense   D19427*E19423   0.000525   \$0.02     19428 External Relations Expense   D19428*E19423   0.037846   \$1.72     19429 Legal Expense   D19428*E19423   0.004717   \$0.22     19430 Other Procurement Expense   D19430*E19423   0.001860   \$0.09     19431 Research & Development Expense   D19431*E19423   0.00006   \$0.00     19432 Other General and Admin Expense   D19431*E19423   0.015064   \$0.70     19433 Common Costs   Sum(E19426:E19432)   \$3.33     19434	19424	<del></del>		
19427 Planning Expense   D19427*E19423   0.000525   \$0.02     19428 External Relations Expense   D19428*E19423   0.037846   \$1.77     19429 Legal Expense   D19429*E19423   0.004717   \$0.22     19430 Other Procurement Expense   D19430*E19423   0.001860   \$0.09     19431 Research & Development Expense   D19431*E19423   0.000006   \$0.00     19432 Other General and Admin Expense   D19432*E19423   0.015064   \$0.70     19433 Common Costs   Sum(E19426:E19432)   \$3.33     19434	19425 Common			
19428 External Relations Expense       D19428*E19423       0.037846       \$1.77         19429 Legal Expense       D19429*E19423       0.004717       \$0.22         19430 Other Procurement Expense       D19430*E19423       0.001860       \$0.09         19431 Research & Development Expense       D19431*E19423       0.000006       \$0.00         19432 Other General and Admin Expense       D19432*E19423       0.015064       \$0.70         19433 Common Costs       Sum(E19426:E19432)       \$3.33	19426 Executive Expense	D19426*E19423	0.011267	\$0.53
19429 Legal Expense       D19429*E19423       0.004717       \$0.22         19430 Other Procurement Expense       D19430*E19423       0.001860       \$0.09         19431 Research & Development Expense       D19431*E19423       0.000006       \$0.00         19432 Other General and Admin Expense       D19432*E19423       0.015064       \$0.70         19433 Common Costs       Sum(E19426:E19432)       \$3.33         19434	19427 Planning Expense	D19427*E19423	0.000525	\$0.02
19430 Other Procurement Expense         D19430*E19423         0.001860         \$0.09           19431 Research & Development Expense         D19431*E19423         0.000006         \$0.00           19432 Other General and Admin Expense         D19432*E19423         0.015064         \$0.70           19433 Common Costs         Sum(E19426:E19432)         \$3.33           19434         Sum(E19426:E19432)         \$3.33	19428 External Relations Expense	D19428*E19423	0.037846	\$1.77
19431 Research & Development Expense       D19431*E19423       0.000006       \$0.00         19432 Other General and Admin Expense       D19432*E19423       0.015064       \$0.70         19433 Common Costs       Sum(E19426:E19432)       \$3.33         19434       \$3.33	19429 Legal Expense	D19429*E19423	0.004717	\$0.22
19432 Other General and Admin Expense D19432*E19423 0.015064 \$0.70 19433   Common Costs Sum(E19426:E19432) \$3.33 19434	19430 Other Procurement Expense	D19430*E19423	0.001860	\$0.09
19433 Common Costs Sum(E19426:E19432) \$3.33 19434	19431 Research & Development Expense	D19431*E19423	0.000006	\$0.00
19434			0.015064	
	19433 Common Costs	Sum(E19426:E19432)		\$3.33
19435 TELRIC + Common Costa E19423+E19433 \$50.06	19434			
	19435 TELRIC + Common Costs	E19423+E19433		\$50.06

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

eren anderen eren eren eren eren eren eren ere	k flori	Time Minutes	Prob Pro		Prob Applied Time #4 (Minutes)	Labor Prouv Cost
	A	В	CD	E	F - G -	Н Т
					B * (C Thru F)	H * (G/60)

MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR)

\*ADD\*

-INSTALL/MTCE. L50 (per half hour)
MAINTENANCE OF SERVICE - BASIC

\$20.02

Subtotal - INSTALL/MTCE. L50 (per half hour;	0.00	\$20.02
Total For Service:	0.00	\$20.02

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Hern A	Time Minutes B	Prob #1 C		Applied Time (Minutes) G	Labor Mour H	Cost
				B * (C Thru F)		H * (G/60)

# MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR) (con't,

19487 Direct Cost		\$20.00
19488		-
19489	Cost Co	at
19490	Calculation Fac	
19491		E
19492 Marketing & Business Fees		
19493 Product Management Expense	D19493*E19487 0.	019957 \$0.40
19494 Sales Expense	== =:	011877 \$0.24
19495 Product Advertising Expense		000000 \$0.00
19496 Business Fees (Other Operating Taxes)		001483 \$0.03
19497 Total Marketing & Business Fees	Sum(E19487;E19496)	\$0.67
19498	0411(815451,815450)	Ψ0.07
19499 Sub-Total Direct Cost & Marketing	E19487+E19497	\$20.69
19500	210-07-210-37	φ20.03
19501 Other Direct Expenses		
19502 Network Operations	D19502*E19499 0.	034832 \$0.72
19503 Network Support Assets		014703 \$0.30
19504 General Support Assets		088742 \$1.84
19505 General Purpose Computers		043342 \$0.90
19506 Uncollectible		003786 \$0.08
19507 Accounting & Finance Expense		003786 \$0.06 007346 \$0.15
19508 Human Resources Expense		007343 \$0.13 008294 \$0.17
19509 Information Management Expense		070887 \$1.47
19510 Intangibles		000000 \$0.00
19511 Total Other Direct Expenses	Sum(E19502;E19510)	\$5.63
19512	38m(C19302,C19310)	
19513 TELRIC	E19502+E19511	\$26.31
19514		
19515 Common		
19516 Executive Expense	<b>D19516*E1951</b> 3 0.0	011267 \$0.30
19517 Planning Expens∈	<b>D19517*E19513</b> 0.0	000525 \$0.01
19518 External Relations Expense	<b>D19518*E19513</b> 0.0	037846 \$1.00
19519 Legal Expense	D19519*E19513 0.0	004717 \$0.12
19520 Other Procurement Expense	D19520*E19513 0.6	001860 \$0.05
19521 Research & Development Expense	D19521*E19513 0.6	000006 \$0.00
19522 Other General and Admin Expense	D19522*E19513 0.0	015064 \$0.40
19523 Common Costs	Sum(E19516:E19522)	\$1.88
19524		
19525 TELRIC + Common Costs	E19513+E19523	\$28.19

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work item	Time Minutes	Prob Pro			Lebor Mour Cost
A	В	CD	E	F G	Η Ι
				B * (C Thru F)	H * (G/60)

MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR)

ADD\*

-INSTALL/MTCE. L50 (per half hour)
MAINTENANCE OF SERVICE - OVERTIME

\$26.74

Subtotal - INSTALLANTCE. L50 (per half hour)	0.00	\$26.74
Total For Service:	0.00	\$26.74

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob   #3 E	rob Applied Time #4 (Minutes) F G	Labor Mour Coat
					B * (C Thru F)	H * (G/60)

# MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR) (con't,

19577 Direct Cost.	\$26.74
19578	
19579 Cost Cost	
19580 Calculation Factor	Cost
19581 B C D	E
19582 Marketing & Business Fees	
19583 Product Management Expense D19583*E19577 0.019	957 \$0.53
19584 Sales Expense D19584*E19577 0.011	877 \$0.32
19585 Product Advertising Expense D19585°E19577 0.000	000 \$0.00
19586 Business Fees (Other Operating Taxes) D19586*Sum(E19577:E19585) 0.001	483 \$0.04
19587 Total Marketing & Business Fees Sum(E19577:E19586)	\$0.89
19588	
19589 Sub-Total Direct Cost & Marketing E19577+E19587	\$27.63
19590	
19591 Other Direct Expenses	
19592 Network Operations D19592*E19589 0.034	832 \$0.96
19593 Network Support Assets D19593*E19589 0.014	703 \$0.41
19594 General Support Assets D19594*E19589 0.088*	742 \$2.45
19595 General Purpose Computers D19595*E19589 0.043	342 \$1.20
19596 Uncollectible D19596*E19589 0.003	786 \$0.10
19597 Accounting & Finance Expense 0,007	346 \$0.20
19598 Human Resources Expense D19598*E19589 0.008	
19599 Information Management Expense D19599*E19589 0.070	887 \$1.96
19600 Intangibles D19600*E19589 0.000	000 \$0.00
19601 Total Other Direct Expenses Sum(E19592: E19600)	\$7.51
19602	
19603 TELRIC E19592+E19601	\$35.15
19604	
19605 Common	
19606 Executive Expense D19606*E19603 0.0112	267 \$0.40
19607 Planning Expense D19607*E19603 0.0008	525 \$0.02
19608 External Relations Expens∈ D19608*E19603 0.0376	346 \$1.33
19609 Legal Expense D19609*E19603 0.004	717 \$0,17
19610 Other Procurement Expense D19610*E19603 0.0018	360 \$0.07
19611 Research & Development Expense <b>D19611*E19603</b> 0.0000	006 \$0.00
19612 Other General and Admin Expense	064 \$0.53
19613[Common Costs Sum(E19606:E19612]	\$2,51
19614	
19615 TELRIC + Common Costa E19603+E19613	\$37,65

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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0.00

Date: 06/03/02

\$33.47

Work Rem		100 7100 11 #2	#3 #4	(Minutes) Hou	
A	В	С	E F	G H B*(CThruF)	H * (G/60)
				2 (0)	., (0.00)
MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR)					
*ADD*					
-INSTALL/MTCE. L50 (per half hour) MAINTENANCE OF SERVICE - PREMIUM					\$33.47
Subtotal - INSTALL/MTCE. L50 (per half hour)			<del></del>	0.00	\$33.47

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	77me Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour Cost
A	В	Ç	D	E	F	G	H
						B * (C Thru F)	H * (G/60)

## MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR) (con't,

19667   19668   19699   19699   19699   19699   19699   19699   19699   19699   19699   19699   19699   19699   196999   1969999999999	\$33.47 Cost E \$0.67 \$0.40 \$0.00 \$0.05 \$1.12
19689   Cost   Cost   Cost   19670   19671   19672   Marketing & Business Fees   D19673*E19667   0.019957   19674   Sales Expense   D19674*E19667   0.019957   19674   Sales Expense   D19674*E19667   0.011877   19675   Product Advertising Expense   D19674*E19667   0.000000   19676   Business Fees (Other Operating Taxes)   D19676*Sum(E19667:E19675   0.001483   19677   Total Marketing & Business Fees   D19676*Sum(E19667:E19676   0.001483   19678   Sum(E19667:E19676   0.001483   19679   Sub-Total Direct Cost & Marketing   E19667+E19677   19680   Sum(E19667:E19679   0.034832   19683   Network Operations   D19683*E19679   0.034832   19683   Network Support Assets   D19683*E19679   0.04342   19685   General Support Assets   D19684*E19679   0.088742   19685   General Purpose Computers   D19686*E19679   0.003786   19687   Accounting & Finance Expense   D19686*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   D19687*E19679   0.003786   19687   D19687*E19679   0.003786   19687   D19687*E19679   0.003786   19687   D19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786	\$0.67 \$0.40 \$0.00 \$0.05
19670   Factor   19671   Factor   19672   Marketing & Business Fees   19673 Product Management Expense   19674 Product Management Expense   19674*E19667   0.019957   19674 Sales Expense   19674*E19667   0.011877   19675 Product Advertising Expense   19675*E19667   0.000000   19676 Business Fees (Other Operating Taxes)   19675*E19667   0.001483   19677   Total Marketing & Business Fees   19677   19676 Sum(E19667:E19675;   0.001483   19677   19679 Sub-Total Direct Cost & Marketing   19679 Sub-Total Direct Cost & Marketing   19679 Sub-Total Direct Expenses   19680   19680   19681   19682 Petropose   19682*E19679   0.034832   19683 Network Operations   19683*E19679   0.043432   19684 General Support Assets   19684 General Support Assets   19685 General Purpose Computers   19685*E19679   0.083742   19686 Uncollectible   19686*E19679   0.003786   19687 Accounting & Finance Expense   19687*E19679   0.003786   19687 Accounting & Finance Expense   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786   19687*E19679   0.003786	\$0.67 \$0.40 \$0.00 \$0.05
19671   19672   Marketing & Business Fees   19673   Product Management Expense   19674   Product Management Expense   19674*E19667   0.019957   19674   Sales Expense   19674*E19667   0.011877   19675   Product Advertising Expense   19675*E19667   0.000000   19676   Business Fees   Other Operating Taxes   19676*Sum(E19667:E19675   0.001483   19677   Total Marketing & Business Fees   Sum(E19667:E19675   0.001483   19678	\$0.67 \$0.40 \$0.00 \$0.05
19672 Marketing & Business Fees 19673 Product Management Expense 19674 Product Management Expense 19675 Product Advertising Expense 19675 Product Advertising Expense 19676 Business Fees (Other Operating Taxes) 19677 Total Marketing & Business Fees 19678 19678 19678 19678 19679 Sub-Total Direct Cost & Marketing 19680 19681 Other Direct Expenses 19682 Network Operations 19683 Network Support Assets 19684 General Support Assets 19684 General Support Assets 19685 General Purpose Computers 19686 Uncollectible 19687 Accounting & Finance Expense 19687 Finance Expense 19687 Accounting & Finance Expense 19687 Finance Expense 19687 Finance Expense 19688 Finance Expense	\$0,67 \$0,40 \$0.00 <u>\$0.05</u>
19673 Product Management Expense D19673*E19667 0.019957 19674 Sales Expense D19674*E19667 0.011877 19675 Product Advertising Expense D19676*E19667 0.000000 19676 Business Fees (Other Operating Taxes) D19676*Sum(E19667:E19675) 0.001483 19677 Total Marketing & Business Fees Sum(E19667:E19675) 0.001483 19678 Sub-Total Direct Cost & Marketing Susiness Fees Sum(E19667:E19678) 19680 19681 Other Direct Expenses 19682 Network Operations D19682*E19679 0.034832 19683 Network Support Assets D19683*E19679 0.014703 19684 General Support Assets D19684*E19679 0.088742 19685 General Purpose Computere D19686*E19679 0.043342 19686 Uncollectible D19686*E19679 0.003786 19687 Accounting & Finance Expense	\$0.40 \$0.00 <u>\$0.05</u>
19674   Sales Expense   D19674*E19667   0.011877   19675   Product Advertising Expense   D19675*E19667   0.000000   19676   Business Fees (Other Operating Taxes)   D19676*Sum(E19667:E19675; 0.001483   19677   Total Marketing & Business Fees   Sum(E19667:E19676)   Sum(E19667:E19676)     19679   Sub-Total Direct Cost & Marketing   E19667+E19677       19680   Other Direct Expenses   D19682*E19679   0.034832   19683   Network Operations   D19682*E19679   0.014703   19684   General Support Assets   D19684*E19679   0.088742   19685   General Purpose Computers   D19685*E19679   0.043342   19686   Uncollectible   D19686*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.003786   19687   Accounting & Finance Expense   D19687*E19679   0.007346	\$0.40 \$0.00 <u>\$0.05</u>
19675 Product Advertising Expense 19676 Business Fees (Other Operating Taxes) 19677 Total Marketing & Business Fees 19678 Sum(E19667:E19676) 19678 Sub-Total Direct Cost & Marketing 19679 Sub-Total Direct Cost & Marketing 19680 19681 Other Direct Expenses 19682 Network Operations 19683 Network Support Assets 19684 General Support Assets 19684 General Purpose Computers 19685 General Purpose Computers 19686 Uncollectible 19687 Accounting & Finance Expense 19687 E19679 0.003786 19687 Accounting & Finance Expense	\$0.00 <u>\$0.05</u>
19676 Business Fees (Other Operating Taxes)   D19676*Sum(E19667:E19675]   0.001483     19677   Total Marketing & Business Fees   Sum(E19667:E19676)     19678   Sub-Total Direct Cost & Marketing   E19667+E19677     19680   19681 Other Direct Expenses   Other Direct Expenses     19682 Network Operations   D19682*E19679   0.034832     19683 Network Support Assets   D19683*E19679   0.014703     19684 General Support Assets   D19684*E19679   0.088742     19685 General Purpose Computers   D19685*E19679   0.043342     19686 Uncollectible   D19686*E19679   0.003786     19687 Accounting & Finance Expense   D19687*E19679   0.007346     19687 Accounting & Finance Expense   D19687*E19679   0.007346     19688   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other Operations   Other	\$0.05
19677   Total Marketing & Business Fees   Sum(E19667:E19676)     19678       19679   Sub-Total Direct Cost & Marketing   E19667+E19677     19680   Sub-Total Direct Expenses   Sum(E19667     19681 Other Direct Expenses   O19682*E19679   O.034832     19682 Network Operations   D19682*E19679   O.014703     19683 Network Support Assets   D19683*E19679   O.088742     19684 General Support Assets   D19684*E19679   O.043342     19685 General Purpose Computers   D19686*E19679   O.043342     19686 Uncollectible   D19686*E19679   O.003786     19687 Accounting & Finance Expense   D19687*E19679   O.007346	
19678   19679   Sub-Total Direct Cost & Marketing   E19667+E19677     19680   19681 Other Direct Expenses   19682 Network Operations   D19682*E19679   0.034832     19683 Network Support Assets   D19683*E19679   0.014703     19684 General Support Assets   D19684*E19679   0.088742     19685 General Purpose Computers   D19685*E19679   0.043342     19686 Uncollectible   D19686*E19679   0.003786     19687 Accounting & Finance Expense   D19687*E19679   0.007346	\$1.12
19679 Sub-Total Direct Cost & Marketing       E19667+E19677         19680       19681 Other Direct Expenses         19682 Network Operations       D19682*E19679       0.034832         19683 Network Support Assets       D19683*E19679       0.014703         19684 General Support Assets       D19684*E19679       0.088742         19685 General Purpose Computers       D19685*E19679       0.043342         19686 Uncollectible       D19686*E19679       0.003786         19687 Accounting & Finance Expense       D19687*E19679       0.007346	
19680 19681 Other Direct Expenses 19682 Network Operations 19682 Network Support Assets 19683 Network Support Assets 19684 General Support Assets 19684 General Purpose Computers 19686 Uncollectible 19687 Accounting & Finance Expense 19687 Accounting & Finance Expense 19688 Description	
19681 Other Direct Expenses 19682 Network Operations 19683 Network Support Assets 19684 General Support Assets 19685 General Purpose Computers 19686 Uncollectible 19687 Accounting & Finance Expense 19687 Accounting & Finance Expense	\$34.59
19682 Network Operations       D19682*E19679       0.034832         19683 Network Support Assets       D19683*E19679       0.014703         19684 General Support Assets       D19684*E19679       0.088742         19685 General Purpose Computers       D19685*E19679       0.043342         19686 Uncollectible       D19686*E19679       0.003786         19687 Accounting & Finance Expense       D19687*E19679       0.007346	
19683 Network Support Assets       D19683*E19679       0.014703         19684 General Support Assets       D19684*E19679       0.088742         19685 General Purpose Computers       D19685*E19679       0.043342         19686 Uncollectible       D19686*E19679       0.003786         19687 Accounting & Finance Expens€       D19687*E19679       0.007346	***
19684 General Support Assets       D19684*Ε19679       0.088742         19685 General Purpose Computers       D19685*Ε19679       0.043342         19686 Uncollectible       D19686*Ε19679       0.003786         19687 Accounting & Finance Expense       D19687*Ε19679       0.007346	\$1.20
19685 General Purpose Computers       D19685*Ε19679       0.043342         19686 Uncollectible       D19686*Ε19679       0.003786         19687 Accounting & Finance Expense       D19687*Ε19679       0.007346	\$0.51
19686 Uncollectible         D19686*Ε19679         0.003786           19687 Accounting & Finance Expense         D19687*Ε19679         0.007346	\$3.07
19687 Accounting & Finance Expense D19687*E19679 0.007346	\$1.50
	\$0.13
19688 Human Resources Expense 0.008294	\$0.25
	\$0.29
19689 Information Management Expense <b>D19689*E19679</b> 0,070887	\$2.45
19690 Intangibles D19690*E19679 0.000000	\$0.00
19691 Total Other Direct Expenses Sum(E19682:E19690)	\$9.41
19692	
19693 TELRIC E19682+E19691	\$43.99
19694	
19695 Common	
19696 Executive Expense D19696*E19693 0.011267	\$0.50
19697 Planning Expense D19697*E19693 0.000525	\$0.02
19698 External Relations Expense D19698*E19693 0.037846	\$1.66
19699 Legal Expense D19699*E19693 0.004717	\$0.21
19700 Other Procurement Expense <b>D19700*E19693</b> 0.001860	\$0.08
19701 Research & Development Expense D19701*E19693 0.000006	
19702 Other General and Admin Expense D19702*E19693 0.015064	\$0.00
19703 Common Costs Sum(E19696:E19702)	\$0.66
19704	
19705 TELRIC + Common Costa E19693+E19703	\$0.66

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

Subtotal - C.O. MTCE. L40 (per half hour)

State: South Dakota

Total For Service:

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0.00

0.00

Date: 06/03/02

\$21.27

\$21.27

Work Hera	Minutes	m	1/2		#4 (Minutes) /Hou	
A	В	C	D	E	F G H	11.4 (0.100)
					B * (C Thru F)	H * (G/60)
ADDITIONAL COOP ACCEPTANCE TESTING - BASIC (PER HALF HOUR)						
*ADD*						
-C.O. MTCE. L40 (per half hour) ADDITIONAL COOP ACCEPTANCE TESTING - BASIC						\$21.27

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work item	Time Minutes	Prob #1	Prob #2	Prob Pro		Labor Hour Cost
A	В -		0	EF	G	H
					B * (C Thru F)	H * (G/60)

#### ADDITIONAL COOP ACCEPTANCE TESTING - BASIC (PER HALF HOUR) (con't,

19757 Direct Cost			\$21,27
19758			
19759	Cost	Cost	
19760	Calculation	Factor	Cost
19761	B C	7.00	E
19762 Marketing & Business Fees			
19763 Product Management Expense	D19763*E19757	0.019957	\$0.42
19764 Sales Expense	D19764*E19757	0.013337	\$0.42
19765 Product Advertising Expense	D19765*E19757	0.000000	\$0.00
19766 Business Fees (Other Operating Taxes)	D19766*Sum(E19757:E19765)	0.001483	\$0.03
19767 Total Marketing & Business Fees	Sum(E19757:E19766)	0.001463	\$0.71
19768	3011(219797.219700)		\$0.71
19769 Sub-Total Direct Cost & Marketing	E19757+E19767		\$21.98
19709 Sub-Folai Difect Cost & marketing	E19/3/+E19/0/		\$21.98
19771 Other Direct Expenses	D19772*E19769	0.004000	A0 77
19772 Network Operations		0.034832	\$0.77
19773 Network Support Assets	D19773*E19769	0.014703	\$0.32
19774 General Support Assets	D19774*E19769	0.088742	\$1.95
19775 General Purpose Computers	D19775*E19769	0.043342	\$0.95
19776 Uncollectible	D19776*E19769	0.003786	\$0.08
19777 Accounting & Finance Expense	D19777*E19769	0.007346	\$0.16
19778 Human Resources Expense	D19778*E19769	0.008294	\$0.18
19779 Information Management Expense	D19779°E19769	0.070887	\$1.56
19780 Intangibles	D19780*E19769	0.000000	\$0.00
19781 Total Other Direct Expenses	Sum(E19772: E19780)		\$5.98
19782			
19783 TELRIC	E19772+E19781		\$27.96
19784			
19785 <i>Common</i>			
19786 Executive Expense	D19786*E19783	0.011267	\$0.32
19787 Planning Expense	D19787*E19783	0.000525	\$0.01
19788 External Relations Expense	D19788*E19783	0.037846	\$1.06
19789 Legal Expense	D19789*E19783	0.004717	\$0.13
19790 Other Procurement Expense	D19790*E19783	0.001860	\$0.05
19791 Research & Development Expense	D19791*E19783	0.000006	\$0.00
19792 Other General and Admin Expense	D19792*E19783	0.015064	\$0.42
19793 Common Costs	Sum(E19786:E19792)		\$1.99
19794			
19795 TELRIC + Common Costs	E19783+E19793		\$29.95

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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•
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Work Item	Minutes	er .	#2	#3	#4	(Minutes)	Hou	Cost
A	B		D	E	F	G	Н	
						B * (C Thru F)		H * (G/60)
								, ,
ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME (PER HALF HOUR)								
*ADD*								

-C.O. MTCE. L40 (per half hour)
ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME

\$28.41

Subtotal - C.O. MTCE. L40 (per half hour)	0.00 \$28.41
Total For Service:	0.00 \$28.41

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem A	Time Minutes B	Prob Pro #1 #2 C D		Lebor Mour Cost H
			B * (C Thru F)	H * (G/60)

### ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME (PER HALF HOUR) (con't,

19847 Direct Cost			\$28.41
19848			
19849	Cost	Cost	
19850	Cajculation	Factor	Cost
19851	8 C	D	E
19852 Marketing & Business Fees			
19853 Product Management Expense	D19853*E19847	0.019957	\$0.57
19854 Sales Expense	D19854*E19847	0.011877	\$0.34
19855 Product Advertising Expense	D19855*E19847	0.000000	\$0.00
19856 Business Fees (Other Operating Taxes)	D19856*Sum(E19847:E19855)	0.001483	\$0.04
19857 Total Marketing & Business Fees	Sum(E19847:E19856)		\$0.95
19858			
19859 Sub-Total Direct Cost & Marketing	E19847+E19857	-	\$29.36
19860			
19861 Other Direct Expenses			
19862 Network Operations	D19862*E19859	0.034832	\$1.02
19863 Network Support Assets	D19863*E19859	0.014703	\$0.43
19864 General Support Assets	D19864*E19859	0.088742	\$2.61
19865 General Purpose Computers	D19865*E19859	0.043342	\$1.27
19866 Uncollectible	D19866*E19859	0.003786	\$0.11
19867 Accounting & Finance Expense	D19867*E19859	0.007346	\$0.22
19868 Human Resources Expense	D19868*E19859	0.008294	\$0.24
19869 Information Management Expense	D19869*E19859	0.070887	\$2.08
19870 Intangibles	D19870*E19859	0.000000	\$0.00
19871 Total Other Direct Expenses	Sum(E19862:E19870)		\$7.98
19872			
19873 TELRIC	E19862+E19871		\$37.34
19874			
19875 Common			
19876 Executive Expense	D19876*E19873	0.011267	\$0.42
19877 Planning Expense	D19877*E19873	0.000525	\$0.02
19878 External Relations Expense	D19878*E19873	0.037846	\$1.41
19879 Legal Expense	D19879*E19873	0.004717	\$0.18
19880 Other Procurement Expense	D19880*E19873	0.001860	\$0.07
19881 Research & Development Expense	D19881*E19873	0.000006	\$0.00
19882 Other General and Admin Expense	D19882*E19873	0.015064	\$0.56
19883 Common Costs	Sum(E19876:E19882)		\$2.66
19884			
19885 TELRIC + Common Costs	E19873+E19883		\$40.00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti

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Work them Minutes #1 #2 #3	#4 (Minutes) Hou	r Cost
	B * (C Thru F)	H * (G/60)
ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM (PER HALF HOUR)		
*ADD*		
-C.O. MTCE. L40 (per half hour) ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM		\$35.55
Subtotal - C.O. MTCE. L40 (per half hour)	0.00	\$35.55
Total For Service:	0.00	\$35.55

Time Prob Prob Prob Prob Applied Time Labor

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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<b>Work hern</b>	Time Minutes		ob Prob 2 #5		Labor Mour Cost
A	В	C 1	)	F G	H
				₿ * (C Thru F)	H * (G/60)

## ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM (PER HALF HOUR) (con't,

19937 Direct Cost			\$35.56
19938			
19939	Cost	Cost	
19940	Calculation	Factor	Cost
19941	8 6		E
19942 Marketing & Business Fees			-
19943 Product Management Expense	D19943*E19937	0.019957	\$0.71
19944 Sales Expense	D19944*E19937	0.011877	\$0.42
19945 Product Advertising Expense	D19945*E19937	0.000000	\$0.00
19946 Business Fees (Other Operating Taxes)	D19946*Sum(E19937;E19945)	0.001483	\$0.05
19947 Total Marketing & Business Fees	Sum(E19937:E19946)		\$1.19
19948			
19949 Sub-Total Direct Cost & Marketing	E19937+E19947		\$36.74
19950			
19951 Other Direct Expenses			
19952 Network Operations	D19952*E19949	0.034832	\$1.28
19953 Network Support Assets	D19953*E19949	0.014703	\$0.54
19954 General Support Assets	D19954*E19949	0.088742	\$3.26
19955 General Purpose Computers	D19955*E19949	0.043342	\$1.59
19956 Uncollectible	D19956*E19949	0.003786	\$0.14
19957 Accounting & Finance Expense	D19957*E19949	0.007346	\$0.27
19958 Human Resources Expense	D19958*E19949	0.008294	\$0.30
19959 Information Management Expense	D19959*E19949	0.070887	\$2.60
19960 Intangibles	D19960*E19949	0.000000	\$0.00
19961 Total Other Direct Expenses	Sum(E19952:E19960)		\$9.99
19962			
19963 TELRIC	E19952+E19961		\$46.73
19964			
19965 Common			
19966 Executive Expense	D19966*E19963	0.011267	\$0.53
19967 Planning Expense	D19967*E19963	0.000525	\$0.02
19968 External Relations Expense	D19968*E19963	0.037846	\$1.77
19969 Legal Expense	D19969*E19963	0.004717	\$0.22
19970 Other Procurement Expense	D19970*E19963	0.001860	\$0.09
19971 Research & Development Expense	D19971*E19963	0.000006	\$0.00
19972 Other General and Admin Expense	D19972*E19963	0.015064	\$0.70
19973 Common Costs	Sum(E19966:E19972)		\$3.33
19974			
19975 TELRIC + Common Costa	E19963+E19973		\$50,06

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work flest A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Pro 83 8	e discount	Lebor Hour Cost
					B * (C Thru F)	H * (G/60)

NONSCHEDULED COOP TESTING - BASIC (PER HALF HOUR)

\*ADD\*

-C.O. MTCE, L40 (per half hour)
NONSCHEDULED COOP TESTING - BASIC

\$21.27

Subtotal - C.O. MTCE. L40 (per half hour)	0.00	\$21.27
Total For Service:	0.00	\$21.27

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work News	Time Miyates	Prob #1	Prots #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	D	E	F	G	H	
·						B * (C Thru F)		H * (G/60)

## NONSCHEDULED COOP TESTING - BASIC (PER HALF HOUR) (con't)

20027 Direct Cost			\$21,27
20028	SHARLEST THERE SHARLEST AND AND AND AND AND AND AND AND AND AND	WALLY AND WHEN THE WALLY WALLY OF	on All Malak constitutions
20029	Cost	Cost	
20030	Calculation	Factor	Cost
20031	8 G	0	E
20032 Marketing & Business Fees			
20033 Product Management Expense	D20033*E20027	0.019957	\$0.42
20034 Sales Expense	D20034*E20027	0.011877	\$0.25
20035 Product Advertising Expense	D20035*E20027	0.000000	\$0.00
20036 Business Fees (Other Operating Taxes)	D20036*Sum(E20027:E20035)	0.001483	\$0.03
20037 Total Marketing & Business Fees	Sum(E20027:E20036)		\$0.71
20038			
20039 Sub-Total Direct Cost & Marketing	E20027+E20037		\$21.98
20040			
20041 Other Direct Expenses			
20042 Network Operations	D20042°E20039	0.034832	\$0.77
20043 Network Support Assets	D20043*E20039	0.014703	\$0.32
20044 General Support Assets	D20044*E20039	0.088742	\$1.95
20045 General Purpose Computers	D20045°E20039	0.043342	\$0.95
20046 Uncollectible	D20046°E20039	0.003786	\$0.08
20047 Accounting & Finance Expense	D20047*E20039	0.007346	\$0.16
20048 Human Resources Expense	D20048*E20039	0.008294	\$0.18
20049 Information Management Expense	D20049*E20038	0.070887	\$1.56
20050 Intangibles	D20050*E20039	0.000000	\$0.00
20051 Total Other Direct Expenses	Sum(E20042:E20050)		\$5.98
20052			
20053 TELRIC	E20042+E20051		\$27.96
20054			
20055 Common			
20056 Executive Expense	D20056*E20053	0.011267	\$0.32
20057 Planning Expense	D20057*E20053	0.000525	\$0.01
20058 External Relations Expens∈	D20058*E20053	0.037846	\$1.06
20059 Legal Expense	D20059*E20053	0.004717	\$0.13
20060 Other Procurement Expense	D20060*E20053	0.001860	\$0.05
20061 Research & Development Expense	D20061*E20053	0.000006	\$0.00
20062 Other General and Admin Expense	D20062*E20053	0.015064	\$0.42
20063 Common Costs	Sum(E20056:E20062)		\$1.99
20064			
20065 TELRIC + Common Costs	E20053+E20063		\$29,95

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

Subtotal - C.O. MTCE. L40 (per half hour)

State: South Dakota

Total For Service:

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\$28.41

\$28.41

0.00

0.00

Work Rem	Time Minutes	Prob #1	Prob #2	C	rob Applied Time #4 (Minutes)	Labor /Hour	Cost
A	В	C	D	E	F G B * (C Thru F)	н	H * (G/60)
NONSHCEDULED COOP TESTING - OVERTIME (PER HALF HOUR)							
*ADD*							
-C.O. MTCE. L40 (per half hour) NONSCHEDULED COOP TESTING - OVERTIME							\$28.41

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Item		ob Prob ri #2			Labor Mour Cost
A	 В	C D	E F	G	Н
				B*(C Thru F)	H * (G/60)

## NONSHCEDULED COOP TESTING - OVERTIME (PER HALF HOUR) (con't)

20117 Direct Cost			\$28.41
20118			
20119	Cost	Cost	
20120	Calculation	Factor	Cost
20121	B C	D	E
20122 Marketing & Business Fees			
20123 Product Management Expense	D20123*E20117	0.019957	\$0.57
20124 Sales Expense	D20124*E20117	0.011877	\$0.34
20125 Product Advertising Expense	D20125*E20117	0.000000	\$0.00
20126 Business Fees (Other Operating Taxes)	D20126*Sum(E20117:E20125)	0.001483	\$0.04
20127 Total Marketing & Business Fees	Sum(E20117:E20126)		\$0.95
20128			
20129 Sub-Total Direct Cost & Merketing	E20117+E20127		\$29.36
20130			
20131 Other Direct Expenses			
20132 Network Operations	D20132*E20129	0.034832	\$1.02
20133 Network Support Assets	D20133*E20129	0.014703	\$0.43
20134 General Support Assets	D20134*E20129	0.088742	\$2.61
20135 General Purpose Computers	D20135*E20129	0.043342	\$1.27
20136 Uncoflectible	D20136*E20129	0.003786	\$0.11
20137 Accounting & Finance Expense	D20137*E20129	0.007346	\$0.22
20138 Human Resources Expense	D20138*E20129	0.008294	\$0.24
20139 Information Management Expense	D20139*E20129	0.070887	\$2.08
20140 Intangibles	D20140*E20129	0.000000	\$0.00
20141 Total Other Direct Expenses	Sum(E20132:E20140)		\$7.98
20142			
20143 TELRIC	E20132+E20141		\$37.34
20144			
20145 Common			
20146 Executive Expense	D20146*E20143	0.011267	\$0.42
20147 Planning Expense	D20147*E20143	0.000525	\$0.02
20148 External Relations Expense	D20148*E20143	0.037846	\$1.41
20149 Legal Expense	D20149*E20143	0.004717	\$0.18
20150 Other Procurement Expense	D20150*E20143	0.001860	\$0.07
20151 Research & Development Expense	D20151*E20143	0.000006	\$0.00
20152 Other General and Admin Expense	D20152*E20143	0.015064	\$0.56
20153 Common Costs	Sum(E20146:E20152)		\$2.66
20154			
20155 TELRIC + Common Costs	E20143+E20153		\$40.00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Rem	Time Alinutes	Prob #1	Prob #2	Prob Pro	ob Appiled Time I (Minutes)	Labor Mour Cost
A	В	С —	D	E F	- G	
					B * (C Thru F)	H * (G/60)

#### NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR)

\*ADD\*

-C.O. MTCE. L40 (per half hour)
NONSCHEDULED COOP TESTING - PREMIUM

\$35.55

Subtotal - C.O. MTCE. L40 (per half hour)	0.00 \$35.55
Total For Service:	0.00 \$35.55

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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<b>Work (tean</b> A	Time Minutes B	Prob #1 C	Prot #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Lebor Mour H	Cost
						B * (C Thru F)		H * (G/60)

## NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR) (con't,

Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Factor   Cost   Calculation   Calculation   Factor   Cost   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculation   Calculati		Prect Cost			\$35.55
Calculation   Factor   Cost   R					
20211				0.00 TO TO THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERVE OF THE RESERV	
20212 Merketting & Business Fees   D20213*E20207   0.019957   \$0.71   20213   Product Management Expense   D20214*E20207   0.019957   \$0.72   20215   Product Advertising Expense   D20216*E20207   0.000000   \$0.00   20215   Product Advertising Expense   D20216*E20207   0.000000   \$0.00   20215   Product Advertising Expense   D20216*Sum(E20207:E20215)   0.001483   \$0.05   20217   Total Marketing & Business Fees (Other Operating Taxes)   Sum(E20207:E20215)   0.001483   \$0.05   20217   Total Marketing & Business Fees   D20218*E20217   \$3.67.4   D20227*E20215   \$1.19   D20227*E20215   \$1.19   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20217   \$3.67.4   D20227*E20219   0.034832   \$1.28   D20223*E20219   0.014703   \$0.54   D20223*E20219   0.014703   \$0.54   D20223*E20219   0.014703   \$0.54   D20223*E20219   0.014703   \$0.54   D20223*E20219   0.014703   \$0.54   D20223*E20219   0.003376   \$0.14   D20227*E20219   0.00376   \$0.14   D20227*E20219   0.00376   \$0.14   D20227*E20219   0.00376   \$0.14   D20227*E20219   0.00376   \$0.14   D20227*E20219   0.00376   \$0.14   D20227*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   0.00376   \$0.27   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20219   D20229*E20	2021		Calculation	Fector	Cost
20219 Product Management Expense   D20214*E20207   0.019957   S0.71   20214 Sales Expense   D20214*E20207   0.011977   S0.42   20215 Product Advertising Expense   D20216*E20207   0.000000   20216 Business Fees (Other Operating Taxes)   D20216*E20207:E20215   0.001483   S0.65   20217   Taxin Marketing & Business Fees   Sum(E20207:E20215   S1.19   20218   Sub-Total Direct Cost & Marketing   20229 Sub-Total Direct Expense   20221 Other Direct Expenses   20222 Network Operations   D2022*E20219   0.034832   \$1.28   20223 Network Operations   D2022*E20219   0.014703   S0.54   20224 General Support Assets   D20224*E20219   0.014703   S0.54   20225 General Purpose Computers   D2022*E20219   0.04342   \$1.59   20225 General Purpose Computers   D2022*E20219   0.04342   \$1.59   20226 Uncolectible   D2022*E20219   0.04342   \$1.59   20227 Accounting & Finance Expense   D2022*E20219   0.003786   \$0.14   20227 Accounting & Finance Expense   D2022*E20219   0.003786   \$0.14   20228 Human Resources Expense   D2022*E20219   0.003786   \$0.14   20229 Human Resources Expense   D2022*E20219   0.008294   \$0.30   20229 Intermation Management Expense   D20229*E20219   0.008294   \$0.30   20229 Intermation Management Expense   D20229*E20219   0.008294   \$0.30   20231   Total Direct Expenses   D20229*E20219   0.008294   \$0.30   20231   Total Direct Expense   D20239*E20231   0.00000   \$0.00   20231   Total Direct Expense   D20239*E20231   0.00000   \$0.00   20231   Total Direct Expense   D20238*E20233   0.001267   \$0.53   20233   TELRIC   E20223   0.003786   \$1.77   20234   Expense   D20238*E20233   0.00786   \$1.77   20234   Expense   D20238*E20233   0.00168   \$0.00   20231   Expense   D20241*E20233   0.00168   \$0.00   20231   Expense   D20241*E20233   0.00168   \$0.00   20242 Other General and Admin Expense   D20242*E20233   0.00168   \$0.00   20242 Other General and Admin Expense   D20242*E20233   0.01564   \$0.70   20244   Common Costa   Sum(E202236E2024)   S0.31   20244   Common Costa   Sum(E202236E2024)   S0.31   20244   Common Costa   Su	2021		B C	Ð	E
20214 Sates Expense   D20214*E20207   D11877   S0.42   20215*Parout Advertising Expense   D20216*E20207   D000000   S0.00   20216*Business Fees   D20216*Bum(E20207:E20215)   D001483   S0.55   20217*[Tatal Marketing & Business Fees   Sum(E20207:E20216)   S1.19   20218   Sub-Total Direct Cost & Merketing   E20207*E20217   S36.74   20221   Other Direct Expenses   D20227*E20219   D.034832   S1.28   20222   Other Direct Expenses   D20228*E20219   D.04832   S1.28   20223   Network Operations   D20228*E20219   D.04832   S1.28   20224   General Support Assets   D20228*E20219   D.04832   S1.28   20225   General Support Assets   D20228*E20219   D.04832   S1.28   20225   General Support Assets   D20228*E20219   D.04832   S1.28   20225   General Support Assets   D20228*E20219   D.04832   S1.59   20225   General Support Assets   D20228*E20219   D.043342   S1.59   20225   General Support Assets   D20228*E20219   D.043342   S1.59   20225   General Support Assets   D20228*E20219   D.003786   S0.14   20226   Uncollectible   D20228*E20219   D.003786   S0.14   20227   C202018   Human Resources Expense   D20228*E20219   D.007846   S0.27   20228   Human Resources Expense   D20228*E20219   D.000000   S0.00   20231   Total Other Direct Expense   D20228*E20219   D.000000   S0.00   20231   Total Other Direct Expense   D20228*E20219   D.000000   S0.00   20231   Total Other Direct Expense   D20238*E20233   D.0011267   S0.53   20238   External Relations Expense   D20238*E20233   D.004717   S0.22   20239   Expense   D20239*E20233   D.004717   S0.22   20230   Expense   D20239*E20233   D.001860   S0.00   20231   Expense   D20239*E20233   D.001860   S0.00   20231   Common Costa   Sum(E20236*E20242)   S0.30   20234   Coher Procurement Expense   D20238*E20233   D.001860   S0.00   20234   Coher Procurement Expense   D20238*E20233   D.001860   S0.00   20234   Coher Procurement Expense   D20238*E20233   D.001860   S0.00   20234   Coher General and Admin Expense   D20241*E20233   D.001860   S0.00   20234   Coher General and Admin Expense   D20241	2021	2 Marketing & Business Fees			
20215 Product Advertising Expense   D20216*E0207   0,00000   \$0,00   20216*Bunicesor Fees (Other Operating Taxes)   D20216*Sum(E20207:E20215)   0,000000   \$0,00   20217   Total Marketing & Business Fees   Sum(E20207:E20215)   \$1,19   20218   \$20219   \$20219   \$20219   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$20210   \$202210   \$202210   \$202219   \$202219   \$202219   \$202219   \$202219   \$202219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$2022219   \$202222222222222222222222222222222222	20213	Product Management Expense	D20213*E20207	0.019957	\$0.71
20216   Business Fees (Other Operating Taxes)   20218   Sum(E20207:E20215)   0.001483   \$0.05   20217   Total Marketing & Business Fees   Sum(E20207:E20216)   \$1.19   20219   Sub-Total Direct Cost & Marketing   E20207+E20217   \$36.74   20210   20220   20221   Other Direct Expenses   20222 Network Operations   D20222*E20219   0.034832   \$1.28   20222 Network Operations   D20222*E20219   0.014703   \$0.54   20222 General Support Assets   D20223*E20219   0.04703   \$0.54   20222 General Support Assets   D20224*E20219   0.088742   \$3.26   20222 General Purpose Computers   D20224*E20219   0.04342   \$1.59   20225 Common   D20227*E20219   0.003766   \$0.14   20227 Accounting & Finance Expense   D20227*E20219   0.007346   \$0.14   20227 Accounting & Finance Expense   D20227*E20219   0.007346   \$0.17   20228 Information Management Expense   D20227*E20219   0.007346   \$0.27   20229 Information Management Expense   D20229*E20219   0.000900   \$0.00   20220 Intargibles   D20230*E20219   0.000000   \$0.00   20231   Total Other Direct Expense   D20230*E20219   0.000000   \$0.00   20231   Total Other Direct Expense   D20230*E20230   0.00525   \$0.02   20233   Tellic   E20224*E20233   0.001267   \$0.53   20237   Planning Expense   D20238*E20233   0.007366   \$1.77   20238 External Relations Expense   D20238*E20233   0.007717   \$0.22   20240 Other Procurement Expense   D20238*E20233   0.007717   \$0.22   20240 Other Procurement Expense   D20238*E20233   0.007717   20240 Other Procurement Expense   D20238*E20233   0.007717   20240 Other Procurement Expense   D20247*E20233   0.00166   \$0.00   20242 Other General and Admin Expense   D20247*E20233   0.01166   \$0.00   20242 Other General and Admin Expense   D20247*E20233   0.01564   \$0.70   20249   Common Costa   Sum(E20236*E20242)   \$0.33   20234   Common Costa   Sum(E20236*E20242)   \$0.33   20234   Common Costa   Sum(E20236*E20242)   \$0.33   20234   Common Costa   Sum(E20236*E20242)   \$0.33   20235   Common Costa   Sum(E20236*E20242)   \$0.33   20236   Common Costa   Sum(E20236*E20242)   \$0			D20214*E20207	0.011877	\$0.42
20217   Total Marketing & Buainese Fees   Sum(E20207:E20216)   \$1.19	20215	5 Product Advertising Expense	D20215*E20207	0.000000	\$0.00
20219   Sub-Total Direct Cost & Merketing   E20207+E20217   \$36.74     20220   20221 Other Direct Expenses	2021	Business Fees (Other Operating Taxes)	D20216*Sum(E20207:E20215)	0.001483	\$0.05
20219   Sub-Total Direct Cost & Marketing   E20207+E20217   \$36.74	20217	Total Marketing & Business Fees	Sum(E20207:E20216)		\$1.19
20220   Other Direct Expenses	20218				
2022   Other Direct Expenses     20222   Network Coperations     20223   Network Coperations     20223   Network Coperations     20223   Network Coperations     20223   Network Support Assets     20224   20219     20.044723   30.54   20225   General Support Assets     20224   20219     20.088742   33.26   20225   20225   20219     20.043342   31.59   20226   Uncollectible     20226   20219     20.003786   30.14   20227   Accounting & Finance Expense     20227   20228   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20229   20	20219	Sub-Total Direct Cost & Marketing	E20207+E20217		\$36.74
20222 Network Operations					
20223 Network Support Assets   D20223*E20219   0.014703   \$0.54	20221	Other Direct Expenses			
20224 General Support Assets   D20224*E20219   0.088742   \$3.26   20225 General Purpose Computers   D20225*E20219   0.043342   \$1.59   20226 Uncollectible   D20225*E20219   0.003786   \$0.14   20227 Accounting & Finance Expense   D20227*E20219   0.007346   \$0.27   20228 Human Resources Expense   D20227*E20219   0.007346   \$0.27   20229 Information Management Expense   D20227*E20219   0.070887   \$2.60   20230 Intangibles   D20230*E20219   0.000000   \$0.00   20231   Total Other Direct Expense   Sum(E20222:E20230)   \$9.99   20232   20233   TELRIC   Total Other Direct Expense   D20236*E20231   \$46.73   20234   20235   Common   C20236*E20233   0.011267   \$0.53   20236   Executive Expense   D20237*E20233   0.00525   \$0.02   20236   External Relations Expense   D20237*E20233   0.00717   \$0.25   20238   External Relations Expense   D20238*E20233   0.00717   \$0.25   20239   Lagal Expense   D20238*E20233   0.00717   \$0.25   20240   Other Procurement Expense   D20236*E20233   0.004717   \$0.25   20241   Research & Development Expense   D20236*E20233   0.004717   \$0.22   20241   Research & Development Expense   D20240*E20233   0.00006   \$0.00   20242   Other Research & Development Expense   D20241*E20233   0.00006   \$0.00   20242   Other General and Admin Expense   D20241*E20233   0.015064   \$0.70   20243   Common Costa   Sum(E20236:E20242)   \$3.33   20244   20244   \$20244   \$20246   \$20245   \$20246   \$20246   \$20246   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20244   E20236   E20242   \$3.33   20245   E20236   E20242   \$3.33   20246   E20236   E20242   \$3.33   20247   E20236   E20242   \$3.33   20248   E20248   E20236   E20242   \$3.33   20249   E20236   E20242   E20236   E20242   \$3.33   20249   E20236   E20246   E20236   E20242   E20236   E20242   E20236   E20242	20222	Network Operations	D20222*E20219	0.034832	\$1.28
20225   General Purpose Computers   D20225*E20219   0.043342   \$1.59   20226   Uncollectible   D20225*E20219   0.003786   \$0.14   20227   Accounting & Finance Expense   D20227*E20219   0.007346   \$0.27   20228   Human Resources Expense   D20229*E20219   0.009294   \$0.30   20229   Information Management Expense   D20229*E20219   0.070887   \$2.60   20230   Intangibles   D20230*E20219   0.000000   \$0.00   20231   Total Other Direct Expenses   D20230*E20219   0.000000   \$0.00   20231   Total Other Direct Expenses   Sum(E20222:E20230)   \$9.99   20232   20232   20233   TELRIC   E20224*E20231   \$46.73   20234   20235   Common   20236   Executive Expense   D20236*E20233   0.011267   \$0.53   20237   Planning Expense   D20237*E20233   0.00525   \$0.02   20238   External Relations Expense   D20238*E20233   0.037846   \$1.77   20236   Expense   D20238*E20233   0.00717   \$0.22   20240   Other Procurement Expense   D20238*E20233   0.004717   \$0.22   20241   Research & Development Expense   D20240*E20233   0.001860   \$0.00   20242   Other General and Admin Expense   D20241*E20233   0.001860   \$0.00   20242   Other General and Admin Expense   D20241*E20233   0.001860   \$0.00   20243   Common Costs   Sum(E20236*E20242)   \$3.33			D20223*E20219	0.014703	\$0.54
20226 Uncollectible   D20226*E20219   0.003786   \$0.14	20224	General Support Assets	D20224*E20219	0.088742	\$3.26
20227 Accounting & Finance Expense   D20227*E20219   0.007346   \$0.27	20225	General Purpose Computers	D20225*E20219	0.043342	\$1.59
20228 Human Resources Expense   D20228*E20219   0.008294   \$0.30   \$0.2029*E20219   0.070887   \$2.60   \$0.2030 Intargibles   D20230*E20219   0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.0	20226	: Uncollectible	D20226*E20219	0.003786	\$0.14
20229 Information Management Expense   D20229*E20219   0.070887   \$2.60	20227	Accounting & Finance Expense	D20227*E20219	0.007346	\$0.27
D20230   Intangibles   D20230*E20219   D.000000   \$0.00	20228	Human Resources Expense	D20228*E20219	0.008294	\$0.30
2023    Total Other Direct Expenses   Sum(E20222:E20230)   \$9.99    20232     20233   TELRIC   E20224-E20231   \$46.73    20234   20235   Common     20236   Executive Expense   D20236*E20233   0.011267   \$0.53    20237   Planning Expense   D20237*E20233   0.000525   \$0.02    20238   External Relations Expense   D20238*E20233   0.037846   \$1.77    20239   Legal Expense   D20238*E20233   0.004717   \$0.22    20240   Other Procurement Expense   D20240*E20233   0.001860   \$0.09    20241   Research & Development Expense   D20241*E20233   0.00006   \$0.00    20242   Other General and Admin Expense   D20242*E20233   0.015064   \$0.70    20243   Common Costa   Sum(E20236:E20242)   \$3.33    20244	20229	Information Management Expense	D20229*E20219	0.070887	\$2.60
20232   20233   TELRIC   E20222+E20231   \$46.73   20234   20235   Common   20236   Executive Expense   D20236*E20233   0.011267   \$0.53   20237   Planning Expense   D20237*E20233   0.000525   \$0.02   20238   External Relations Expense   D20238*E20233   0.037846   \$1.77   20239   Legal Expense   D20238*E20233   0.004717   \$0.22   20240   Other Procurement Expense   D20240*E20233   0.001860   \$0.09   20241   Research & Development Expense   D20241*E20233   0.000006   \$0.00   20241   Research & Development Expense   D20241*E20233   0.000006   \$0.00   20242   Common Costa   Sum(E20236:E20242)   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20236:E20242   \$3.33   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244   20244			D20230*E20219	0.000000	\$0.00
20233 TELRIC   E2022+E20231   \$46.73			Sum(E20222:E20230)		\$9.99
20234   20235   Common   20236   Executive Expense   D20236   Executive Expense   D20237*E20233   0.011267   \$0.53   20237*E20233   0.000525   \$0.02   20238   External Relations Expense   D20238*E20233   0.037846   \$1.77   20239   Legal Expense   D20239*E20233   0.004717   \$0.22   20240   Other Procurement Expense   D20240*E20233   0.001860   \$0.09   20241   Research & Development Expense   D20241*E20233   0.000006   \$0.00   20242   Common Costa   D20242*E20233   0.015064   \$0.70   20243   Common Costa   Sum(E20236:E20242)   \$3.33   20244   \$3.33   20244   \$3.33   20244   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$3.33   \$					
20235 Common       20236 Executive Expense       020236*E20233       0.011267       \$0.53         20237 Planning Expense       020237*E20233       0.00525       \$0.02         20238 External Relations Expense       020238*E20233       0.037846       \$1.77         20239 Legal Expense       020239*E20233       0.004717       \$0.22         20240 Other Procurement Expense       020240*E20233       0.001860       \$0.09         20241 Research & Development Expense       020241*E20233       0.000006       \$0.00         20242 Common Costa       020242*E20233       0.015064       \$0.70         20244       Sum(E20236:E20242)       \$3.33	20233	TELRIC	E20222+E20231		\$46.73
20236 Executive Expense       D20236*E20233       0.011267       \$0.53         20237 Planning Expense       D20237*E20233       0.000525       \$0.02         20238 External Relations Expense       D20238*E20233       0.037846       \$1.77         20239 Legal Expense       D20239*E20233       0.004717       \$0.22         20240 Other Procurement Expense       D20240*E20233       0.001860       \$0.09         20241 Research & Development Expense       D20241*E20233       0.000006       \$0.00         20242 Other General and Admin Expense       D20242*E20233       0.015064       \$0.70         20243 Common Costs       Sum(E20236:E20242)       \$3.33         20244					
20237 Planning Expense         D20237*Ε20233         0.000525         \$0.02           20238 External Relations Expense         D20238*Ε20233         0.037846         \$1.77           20239 Legal Expense         D20239*Ε20233         0.004717         \$0.22           20240 Other Procurement Expense         D20240*Ε20233         0.001860         \$0.09           20241 Research & Development Expense         D20241*Ε20233         0.000006         \$0.00           20242 Other General and Admin Expense         D20242*Ε20233         0.015064         \$0.70           20243 Common Costa         Sum(Ε20236:Ε20242)         \$3.33	20235	Common			
20238 External Relations Expense       D20238*E20233       0.037846       \$1.77         20239 Legal Expense       D20239*E20233       0.004717       \$0.22         20240 Other Procurement Expense       D20240*E20233       0.001860       \$0.09         20241 Research & Development Expense       D20241*E20233       0.000006       \$0.00         20242 Other General and Admin Expense       D20242*E20233       0.015064       \$0.70         20243 [Common Costs       Sum(E20236:E20242)       \$3.33	20236	Executive Expense	D20236*E20233	0.011267	\$0.53
20239 Legal Expense       D20239*E20233       0.0047 17       \$0.22         20240 Other Procurement Expense       D20240*E20233       0.001860       \$0.09         20241 Research & Development Expense       D20241*E20233       0.000006       \$0.00         20242 Other General and Admin Expense       D20242*E20233       0.015064       \$0.70         20243 Common Costa       Sum(E20236:E20242)       \$3.33         20244					
20240 Other Procurement Expense         D20240*E20233         0.001860         \$0.09           20241 Research & Development Expense         D20241*E20233         0.000006         \$0.00           20242 Other General and Admin Expense         D20242*E20233         0.015064         \$0.70           20243 Common Costs         Sum(E20236:E20242)         \$3.33					
20241 Research & Development Expense         D20241*E20233         0.000006         \$0.00           20242 Other General and Admin Expense         D20242*E20233         0.015064         \$0.70           20243 Common Costs         Sum(E20236:E20242)         \$3.33           20244				0.004717	\$0.22
20242 Other General and Admin Expense D20242*E20233 0.015064 \$0.70 20243   Common Costs Sum(E20236:E20242) \$3.33   20244					
20243 Common Costs Sum(E20236:E20242) \$3.33 20244				0.000006	
20244				0.015064	
	20243	Common Costs	Sum(E20236:E20242)		\$3.33
20245 TELRIC + Common Costs E20233+E20243 \$50.06	20244				
	20245	TELRIC + Common Costs	E20233+E20243		\$50.06

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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<b>Work Item</b>	Time Minutes		Prob #2	Prob #3	Prob M	Applied Time (Minutes)	Labor Mour	Cost
	В	_ c	D	E	TF T	G	H	
						B * (C Thru F)		H * (G/60)

### NONSCHEDULED MANUAL TESTING - BASIC (PER HALF HOUR)

\*ADD\*

-C.O. MTCE, - L40 (per half hour)
NONSCHEDULED MANUAL TESTING - BASIC

\$21.27

Subtotal - C.O. MTCE L40 (per half hour)	0.00 \$21.27
Total For Service:	0.00 \$21.22
Total For Service:	0.00 \$21.27

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work flam A	Time Minutes B	Prob #1 C	Proti #2 D	Prob #3 E	Prob #4 F	Applied Time (Ministee) G	Lebot Mout H	Cost
						B * (C Thru F)		H * (G/60)

### NONSCHEDULED MANUAL TESTING - BASIC (PER HALF HOUR) (con't,

20297 Direct Court 20298		\$21,27
20299	Cost	ast lac
20300		tor Cost
20301		) E
20302 Marketing & Business Fees		
20303 Product Management Expense	D20303*E20297 0	.019957 \$0.42
20304 Sales Expense	<del></del>	
20305 Product Advertising Expense		
20306 Business Fees (Other Operating Taxes)		.001483 \$0.03
20307 Total Marketing & Business Fees	Sum(E20297:E20306)	\$0.71
20308 20309 Sub-Total Direct Cost & Marketing	E20297+E20307	E01 00
	E2029/+E2030/	\$21.98
20310		
20311 Other Direct Expenses	D20312*E20309 0.	004000 00.77
20312 Network Operations	==	.034832 \$0.77 .014703 \$0.32
20313 Network Support Assets	=======================================	
20314 General Support Assets		.088742 \$1.95
20315 General Purpose Computers		.043342 \$0.95
20316 Uncollectible		.003786 \$0.08
20317 Accounting & Finance Expens€		.007346 \$0.16
20318 Human Resources Expense		.008294 \$0.18
20319 Information Management Expens€	==: :: :: :: :: ::	.070887 \$1.56
20320 Intangibles		000000 \$0.00
20321 Total Other Direct Expenses 20322	Sum(E20312: E20320)	\$5.98
20322 20323 TELRIC	E20312+E20321	\$27.96
20324		
20325 Common		
20326 Executive Expense	D20326*E20323 0.	011267 \$0.32
20327 Planning Expense	D20327*E20323 0.	000525 \$0.01
20328 External Relations Expens€		037846 \$1.06
20329 Legal Expense	<del>-</del>	004717 \$0.13
20330 Other Procurement Expense		001860 \$0.05
20331 Research & Development Expense		000006 \$0.00
20332 Other General and Admin Expense		015064 \$0.42
20333 Common Costs	Sum(E20326:E20332)	\$1.99
20334		
20335 TELRIC + Common Costa	E20323+E20333	\$29.95

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

Subtotal - C.O. MTCE. - L40 (per half hour)

State: South Dakota

Total For Service:

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0.00

0.00

\$28.41

\$28.41

	Work Hom	Tima Minutes	Prob #1	POLICE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND LINE AND L	rab Prob ts #4	Applied Time (Minutes)	Lebor Hour Cost
	A	В	C	D	E F	G B * (C Thru F)	H H * (G/60)
NONSCHEDULED MANUAL TESTING - O	VERTIME (PER HALF HOUR)						
*ADD*							
-C.O. MTCE L40 (per half hour) NONSCHEDULED MANUAL TEST	NG - OVERTIME						\$28.41

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Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Ren A	<b>X</b> (1944)	Time Minutes B	Prob Pro	ot Prob 2 #3 ) E	Prob Applied Time 44 (Minutes) F G	Laber Hour Cost
					B * (C Thru F)	H * (G/60)

## NONSCHEDULED MANUAL TESTING - OVERTIME (PER HALF HOUR) (con't,

			March Comment of the
20387 Direct Goet			\$28,41
20388		ing . With world discussion	(a)
20389	Cost	Cost	
20390		Factor	Cost
20391	ВС	0	<b>.</b> .
20392 Marketing & Business Fees			
20393 Product Management Expense	D20393*E20387	0.019957	\$0.57
20394 Sales Expense	D20394*E20387	0.011877	\$0.34
20395 Product Advertising Expense	D20395*E20387	0.000000	\$0.00
20396 Business Fees (Other Operating Taxes)	D20396*Sum(E20387:E20395)	0.001483	\$0.04
20397 Total Marketing & Business Fees	Sum(E20387:E20396)		\$0.95
20398			
20399 Sub-Total Direct Cost & Marketing	E20387+E20397		\$29.36
20400	<del> </del>		
20401 Other Direct Expenses			
20402 Network Operations	D20402*E20399	0.034832	\$1.02
20403 Network Support Assets	D20403*E20399	0.014703	\$0.43
20404 General Support Assets	D20404*E20399	0.088742	\$2.61
20405 General Purpose Computers	D20405*E20399	0.043342	\$1.27
20406 Uncollectible	D20406*E20399	0.003786	\$0.11
20407 Accounting & Finance Expense	D20407*E20399	0.007346	\$0.22
20408 Human Resources Expense	D20408*E20399	0.008294	\$0.24
20409 Information Management Expense	D20409*E20399	0.070887	\$2.08
20410 Intangibles	D20410*E20399	0.000000	\$0.00
20411 Total Other Direct Expenses	Sum(E20402:E20410)		\$7.98
20412			
20413 TELRIC	E20402+E20411		\$37.34
20414			
20415 Common			
20416 Executive Expense	D20416*E20413	0.011267	\$0.42
20417 Planning Expense	D20417*E20413	0.000525	\$0.02
20418 External Relations Expense	D20418*E20413	0.037846	\$1.41
20419 Legal Expense	D20419*E20413	0.004717	\$0.18
20420 Other Procurement Expense	D20420*E20413	0.001860	\$0.07
20421 Research & Development Expense	D20421*E20413	0.000006	\$0.00
20422 Other General and Admin Expense	D20422*E20413	0.015064	\$0.56
20423 Common Costs	Sum(E20416:E20422)		\$2.66
20424			
20425 TELRIC + Common Costs	E20413+E20423		\$40.00

Study Name: NONRECURRING ELEMENTS

, where  $(x,y) \in \mathbb{R}^{n}$  , we have  $(x,y) \in \mathbb{R}^{n}$  and  $(x,y) \in \mathbb{R}^{n}$ 

Study Year: 2002 Analyst: Deffley/Eoriatti

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State: South Dakota

Total For Service:

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0.00

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\$35.55

Work Item. A	Dime Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Afour H	Cost I H * (G/60)
NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR)								
* <u>ADD*</u>								
-C.O. MTCE L40 (per half hour) NONSCHEDULED MANUAL TESTING - PREMIUM								<b>\$35</b> .55
Subtotal - C.O. MTCE L40 (per half hour)						0.00		\$35.55

Study Name: NONRECURRING ELEMENTS Study Year: 2002

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Work Best	Time Minutes	Prob #1	Prob #2		Prob Applied Time 44 (Minutes)	Labor /Hour Cost
A	В	C	D	E	F G	H
					B * (C Thru F)	H * (G/60)

## NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR) (con't,

20477 Direct Cost			\$35.55
20478			
20479	Cost	Cost	
20480	Calculation	Factor	Cost
20481	8 C	D	E
20482 Marketing & Business Fees			
20483 Product Management Expens€	D20483*E20477	0.019957	\$0.71
20484 Sales Expense	D20484*E20477	0.011877	\$0.42
20485 Product Advertising Expense	D20485°E20477	0.000000	\$0.00
20486 Business Fees (Other Operating Taxes)	D20486*Sum(E20477:E20485)	0.001483	\$0.05
20487 Total Marketing & Business Fees	Sum(E20477:E20486)		\$1.19
20488	<del></del>		
20489 Sub-Total Direct Cost & Marketing	E20477+E20487		\$36.74
20490			
20491 Other Direct Expenses			
20492 Network Operations	D20492*E20489	0.034832	\$1.28
20493 Network Support Assets	D20493*E20489	0.014703	\$0.54
20494 General Support Assets	D20494*E20489	0.088742	\$3.26
20495 General Purpose Computers	D20495*E20489	0.043342	\$1.59
20496 Uncollectible	D20496*E20489	0.003786	\$0.14
20497 Accounting & Finance Expense	D20497*E20489	0.007346	\$0.27
20498 Human Resources Expense	D20498*E20489	0.008294	\$0.30
20499 Information Management Expense	D20499*E20489	0.070887	\$2.60
20500 Intangibles	D20500*E20489	0.000000	\$0.00
20501 Total Other Direct Expenses	Sum(E20492:E20500)		\$9.99
20502			
20503 TELRIC	E20492+E20501		\$46.73
20504			
20505 Common			
20506 Executive Expense	D20506*E20503	0.011267	\$0.53
20507 Planning Expense	D20507*E20503	0.000525	\$0.02
20508 External Relations Expense	D20508*E20503	0.037846	\$1.77
20509 Legal Expense	D20509*E20503	0.004717	\$0.22
20510 Other Procurement Expense	D20510*E20503	0.001860	\$0.09
20511 Research & Development Expense	D20511*E20503	0.000006	\$0.00
20512 Other General and Admin Expense	D20512*E20503	0.015064_	\$0.70
20513 Common Costs	Sum(E20506:E20512)		\$3.33
20514			
20515 TELRIC + Common Costs	E20503+E20513		\$50.06

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Work Near	Time Minutes	Prob #1	Prob #2	Prob #3		ibor lour Cost
A	В	С	D	E	F G B*(C Thru F)	H I H * (G/60)
COOPERATIVE SCHEDULED TESTING - LOSS (PER MONTH)						
*ADD*						
-C.O. MTCE L40 (monthly cost) COOPERATIVE SCHEDULED TESTING - LOSS						\$0.06
Subtotal - C.O. MTCE L40 (monthly cost)					0.00	\$0.06
Total For Service:					0.00	\$0.06

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Work Rein	Time Minutes	Prob #1		Tab Prob #3 #4	Applied Time (Minutes)	Labor Alour Cost
<b>A</b>	В	C	D	E F		H 1 1
					B * (C Thru F)	H * (G/60)

## COOPERATIVE SCHEDULED TESTING - LOSS (PER MONTH) (con't)

20567 Direct Cost			\$0.06
20568			
20569	Cost	Cost	
20570	Calculation	Factor	Cost
20571	B C	D	E
20572 Marketing & Business Fees	For any and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		
20573 Product Management Expense	D20573*E20567	0.019957	\$0.00
20574 Sales Expense	D20574*E20567	0.011877	\$0.00
20575 Product Advertising Expense	D20575*E20567	0.000000	\$0.00
20576 Business Fees (Other Operating Taxes)	D20576*Sum(E20567:E20575)	0.001483	\$0.00
20577 Total Marketing & Business Fees	Sum(E20567:E20576)		\$0.00
20578			
20579 Sub-Total Direct Cost & Marketing	E20567+E20577		\$0.06
20580			
20581 Other Direct Expenses			
20582 Network Operations	D20582*E20579	0.034832	\$0.00
20583 Network Support Assets	D20583*E20579	0.014703	\$0.00
20584 General Support Assets	D20584*E20579	0.088742	\$0.01
20585 General Purpose Computers	D20585*E20579	0.043342	\$0.00
20586 Uncollectible	D20586*E20579	0.003786	\$0.00
20587 Accounting & Finance Expense	D20587*E20579	0.007346	\$0.00
20588 Human Resources Expense	D20588*E20579	0.008294	\$0.00
20589 Information Management Expens∈	D20589*E20579	0.070887	\$0.00
20590 Intangibles	D20590*E20579	0.000000	\$0.00
20591 Total Other Direct Expenses	Sum(E20582:E20590)		\$0.02
20592			
20593 TELRIC	E20582+E20591		\$0.08
20594			
20595 Common	000-00-00	5.044007	**
20596 Executive Expense	D20596*E20593	0.011267	\$0.00
20597 Planning Expense	D20597*E20593	0.000525	\$0.00
20598 External Relations Expense	D20598*E20593	0.037846	\$0.00
20599 Legal Expense	D20599*E20593	0.004717	\$0.00
20600 Other Procurement Expense	D20600*E20593	0.001860	\$0.00
20601 Research & Development Expense	D20601*E20593 D20602*E20593	0.000006 0.015064	\$0.00
20602 Other General and Admin Expense	D20802-E20593 Sum(E20596:E20602)	0.015064	\$0.00
20603 Common Costs 20604	3um(E20390:E2000X)		\$0.01
20605 TELRIC + Common Costs	E20593+E20603	<del></del>	\$0.08
2000 TELTIO T CONTROL COSTS	EZUJSSTEZUUKI		ΨU.00

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
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Work ben	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Atour	Cost
A	В	С	D	E	F	G B * (C Thru F)	н	H * (G/60)
COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)								
*ADD*								
-C.O. MTCE L40 (monthly cost) COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE								\$0.06
Subtotal - C.O. MTCE L40 (monthly cost)						0.00		\$0.06
Total For Service:						0.00		\$0.06

Study Name: NONRECURRING ELEMENTS

where the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the con

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Work fleat A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3	## F	Applied Time (Minutes) G	Labor /Hour H	Coef
						B * (C Thru F)		H * (G/60)

## COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH) (con't,

			SHOWEN VALUE OF
20657 Direct Coet			\$0.06
20658	Cost	anar . Ware was a second control of the second	enovemental orașe
20659		Cost Factor	
20680	Calculation	ractor	Cost
20681	ВС	<u> </u>	E
20662 Marketing & Business Fees			
20663 Product Management Expense	D20663*E20657	0.019957	\$0.00
20664 Sales Expense	D20664*E20657	0.011877	\$0.00
20665 Product Advertising Expense	D20665*E20657	0.000000	\$0.00
20666 Business Fees (Other Operating Taxes)	D20666*Sum (E20657: E20665)	0.001483	\$0.00
20667 Total Marketing & Business Fees	Sum(E20657:E20666)		\$0.00
20668			
20669 Sub-Total Direct Cost & Marketing	E20657+E20667		\$0.06
20670			
20671 Other Direct Expenses			
20672 Network Operations	D20672*E20669	0.034832	\$0.00
20673 Network Support Assets	D20673*E20669	0.014703	\$0.00
20674 General Support Assets	D20674*E20669	0.088742	\$0.01
20675 General Purpose Computers	D20675*E20669	0.043342	\$0.00
20676 Uncollectible	D20676*E20669	0.003786	\$0.00
20677 Accounting & Finance Expense	D20677*E20669	0.007346	\$0.00
20678 Human Resources Expense	D20678*E20669	0.008294	\$0.00
20679 Information Management Expense	D20679*E20669	0.070887	\$0.00
20680 Intangibles	D20680*E20669	0.000000	\$0.00
20681 Total Other Direct Expenses	Sum(E20672:E20680)		\$0.02
20682			
20683 TELRIC	E20672+E20681		\$0.08
20684			
20685 Common			
20686 Executive Expense	D20686*E20683	0.011267	\$0.00
20687 Planning Expense	D20687*E20683	0.000525	\$0.00
20688 External Relations Expense	D20688*E20683	0.037846	\$0.00
20689 Legal Expense	D20689*E20683	0.004717	\$0.00
20690 Other Procurement Expense	D20690*E20683	0.001860	\$0.00
20691 Research & Development Expense	D20691*E20683	0.000006	\$0.00
20692 Other General and Admin Expense	D20692*E20683	0.015064	\$0.00
20693 Common Costs	Sum(E20686:E20692)		\$0,01
20694			
20695 TELRIC + Common Costs	E20683+E20693		\$0.08

Study Name: NONRECURRING ELEMENTS

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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4	Applied Time (Minutes) G	Lebor Mour Cost
						B*(CThruF)	H * (G/60)

#### COOPERATIVE SCHEDULED TESTING - BALANCE (PER MONTH)

\*ADD\*

-C.O. MTCE. - L40 (monthly cost)
COOPERATIVE SCHEDULED TESTING - BALANCE

\$0.24

Subtotal - C.O. MTCE L40 (monthly cost)	0.00 \$0.24
Total For Service:	0.00 \$0.24

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Work Nem A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor Mour H	Cost
						B * (C Thru F)		H * (G/60)

## COOPERATIVE SCHEDULED TESTING - BALANCE (PER MONTH) (con't,

20747 Direct Cost			\$0.24
20748			331300 330 Auditoria
20749	Cost	Cost	
20750	Calculation	Factor	Cost
20751	B C	D .	E
20752 Marketing & Business Fees			
20753 Product Management Expense	D20753*E20747	0.019957	\$0.00
20754 Sales Expense	D20754*E20747	0.011877	\$0.00
20755 Product Advertising Expense	D20755*E20747	0.000000	\$0.00
20756 Business Fees (Other Operating Taxes)	D20756*Sum(E20747:E20755)	0.001483	\$0.00
20757 Total Marketing & Business Fees	Sum(E20747:E20756)		\$0.01
20758			
20759 Sub-Total Direct Cost & Marketing	E20747+E20757		\$0.25
20760			
20761 Other Direct Expenses			
20762 Network Operations	D20762*E20759	0.034832	\$0.01
20763 Network Support Assets	D20763*E20759	0.014703	\$0.00
20764 General Support Assets	D20764*E20759	0.088742	\$0.02
20765 General Purpose Computers	D20765*E20759	0.043342	\$0.01
20766 Uncollectible	D20766*E20759	0.003786	\$0.00
20767 Accounting & Finance Expense	D20767*E20759	0.007346	\$0.00
20768 Human Resources Expense	D20768*E20759	0.008294	\$0.00
20769 Information Management Expense	D20769*E20759	0.070887	\$0.02
20770 Intangibles	D20770*E20759	0.000000	\$0.00
20771 Total Other Direct Expenses	Sum(E20762:E20770)		\$0.07
20772			
20773 TELRIC	E20762+E20771		\$0.32
20774			
20775 Common			
20776 Executive Expense	D20776*E20773	0.011267	\$0.00
20777 Planning Expense	D20777*E20773	0.000525	\$0.00
20778 External Relations Expense	D20778*E20773	0.037846	\$0.01
20779 Legal Expense	D20779*E20773	0.004717	\$0.00
20780 Other Procurement Expense	D20780*E20773	0.001860	\$0.00
20781 Research & Development Expense	D20781*E20773	0.000006	\$0.00
20782 Other General and Admin Expense	D20782*E20773	0.015064	\$0.00
20783 Common Costs	Sum(E20776:E20782)		\$0.02
20784			
20785 TELRIC + Common Costa	E20773+E20783		\$0.34

Study Name: NONRECURRING ELEMENTS

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Total For Service:

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0.00

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\$0.06

Work flents		1 42	<i>1</i> 3 <i>1</i> 4	(Minutes) Afor	
A	В	C - D -	E F	G H B*(CThruF)	H * (G/60)
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH)					
*ADD*					
-C.Q. MTCE L40 (monthly cost)					
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE					\$0.06
Subtotal - C.O. MTCE L40 (monthly cost)				0.00	\$0.06

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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob Pr #3 # E		Lebor (Hour Cost H	
					B * (C Thru F)	H * (G/60	١

## COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH) (con't)

20837 Direct Cost			\$0.0e
20838			
20839	Cost	Cost	
20840	Calculation	Factor	Cost
20841	8 C	D	E
20842 Marketing & Business Fees			
20843 Product Management Expense	D20843*E20837	0.019957	\$0.00
20844 Sales Expense	D20844*E20837	0.011877	\$0.00
20845 Product Advertising Expense	D20845*E20837	0.000000	\$0.00
20846 Business Fees (Other Operating Taxes)	D20846*Sum(E20837:E20845)	0.001483	\$0.00
20847 Total Marketing & Business Fees	Sum(E20837:E20846)		\$0.00
20848			
20849 Sub-Total Direct Cost & Marketing	E20837+E20847		\$0.06
20850			
20851 Other Direct Expenses			
20852 Network Operations	D20852*E20849	0.034832	\$0.00
20853 Network Support Assets	D20853*E20849	0.014703	\$0.00
20854 General Support Assets	D20854*E20849	0.088742	\$0.01
20855 General Purpose Computers	D20855*E20849	0.043342	\$0.00
20856 Uncollectible	D20856*E20849	0.003786	\$0.00
20857 Accounting & Finance Expense	D20857*E20849	0.007346	\$0.00
20858 Human Resources Expense	D20658*E20849	0.008294	\$0.00
20859 Information Management Expense	D20859*E20849	0.070887	\$0.00
20860 Intangibles	D20860*E20849	0.000000	\$0.00
20861 Total Other Direct Expenses	Sum(E20852:E20860)		\$0.02
20862			
20863 TELRIC	E20852+E20861		\$0.08
20864			
20865 Common			
20866 Executive Expense	D20866*E20863	0.011267	\$0.00
20867 Planning Expense	D20867*E20863	0.000525	\$0.00
20868 External Relations Expense	D20868*E20863	0.037846	\$0.00
20869 Legal Expense	D20869*E20863	0.004717	\$0.00
20870 Other Procurement Expense	D20870°E20863	0.001860	\$0.00
20871 Research & Development Expense	D20871*E20863	0.000006	\$0.00
20872 Other General and Admin Expense	D20872*E20863	0.015064	\$0.00
20873 Common Costs	Sum(E20866:E20872)		\$0.01
20874			
20875 TELRIC + Common Costs	E20863+E20873		\$0.08

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Work Nem A	Time Minutes B	Prob #1 C	Prob #2 D	ob Applied Time 4 <i>(Minutes)</i> G	Labor Afour Cost H
				B * (C Thru F)	H * (G/60)

### COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)

\*ADD\*

-C.O. MTCE. - L40 (monthly cost)
COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE

\$0.06

Subtotal - C.O. MTCE L40 (monthly cost)	0.00 \$0.06
Total For Service:	0.00 \$0.06

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Work Bern	Time Winutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A -	В	С	D	E	F	G	Н	
						B * (C Thru F)		H * (G/60)

### COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH) (con't)

20927 Direct Cost		\$o.oe
20928		
20929	Cost Cost	
20930	Calculation Factor	Cost
20931	E C D	E
20932 Marketing & Business Fees		
20933 Product Management Expense	D20933*E20927 0.01995	7 \$0.00
20934 Sales Expense	D20934*E20927 0.01187	77 \$0.00
20935 Product Advertising Expense	D20935*E20927 0.00000	0 \$0.00
20936 Business Fees (Other Operating Taxes)	D20936*Sum(E20927:E20935) 0.00148	3 \$0.00
20937 Total Marketing & Business Fees	Sum(E20927:E20936)	\$0.00
20938		
20939 Sub-Total Direct Cost & Marketing	E20927+E20937	\$0.06
20940		
20941 Other Direct Expenses		
20942 Network Operations	D20942*E20939 0.03483	2 \$0.00
20943 Network Support Assets	D20943*E20939 0.01470	3 \$0.00
20944 General Support Assets	D20944*E20939 0.08874	2 \$0.01
20945 General Purpose Computers	D20945*E20939 0.04334	2 \$0.00
20946 Uncollectible	D20946*E20939 0.00378	6 \$0.00
20947 Accounting & Finance Expense	D20947*E20939 0.00734	6 \$0.00
20948 Human Resources Expense	D20948*E20939 0.00829	4 \$0.00
20949 Information Management Expens∈	D20949*E20939 0.07068	7 \$0.00
20950 Intangibles	D20950*E20939 0.00000	0 \$0.00
20951 Total Other Direct Expenses	Sum(E20942:E20950)	\$0.02
20952		
20953 TELRIC	E20942+E20951	\$0.08
20954	<del></del>	
20955 Common		
20956 Executive Expense	D20956*E20953 0.01126	7 \$0.00
20957 Planning Expense	D20957*E20953 0.00052	5 \$0.00
20958 External Relations Expense	D20958*E20953 0.03784	6 \$0.00
20959 Legal Expense	D20959*E20953 0.00471	7 \$0.00
20960 Other Procurement Expense	D20960*E20953 0.00186	0 \$0.00
20961 Research & Development Expense	D20961*E20953 0.00000	6 \$0.00
20962 Other General and Admin Expense	D20962*E20953 0.01506	4 _ \$0.00
20963 Common Costs	Sum(E20956:E20962)	\$0.01
20964	- <del> </del>	
20965 TELRIC + Common Costs	E20953+E20963	\$0.08

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Tim #4 (Mingles)		yst .
A	В		D	E	F G	H	
					B * (C Thru	F) H*(r	G/60)

# MANUAL SCHEDULED TESTING - LOSS (PER MONTH)

\*ADD\*

-C.O. MTCE. - L40 (monthly cost)
MANUAL SCHEDULED TESTING - LOSS

\$0.12

Subtatal - C.O. MTCE L40 (monthly cost)	0.00	\$0.12
Total For Service:	0.00	\$0.12

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob Prob		Prob Applied Time #4 (Minutes)	Labor Mour Coat
A	В	CD	- E	F G	H
				B * (C Thru F)	H * (G/60)

# MANUAL SCHEDULED TESTING - LOSS (PER MONTH) (con't)

21017 Direct Cost			\$0.12
21017 Direct Cost 21018			<b>30, 12</b>
21019	Cost	Cost	
21020	Calculation	Factor	Cost
21021	B C	0	E -
21022 Marketing & Business Feet			
21023 Product Management Expense	D21023*E21017	0.019957	\$0.00
21024 Sales Expense	D21024*E21017	0.013937	\$0.00
21025 Product Advertising Expense	D21025*E21017	0.000000	\$0.00
21026 Business Fees (Other Operating Taxes)	D21026*Sum(E21017:E21025)	0.001483	\$0.00
21027 Total Marketing & Business Fees	Sum(E21017:E21026)	0.001463	\$0.00
21028	3din(E21017:E21020)		30.00
21029 Sub-Total Direct Cost & Marketing	E21017+E21027		\$0.12
21030			- 00.12
21031 Other Direct Expenses			
21032 Network Operations	D21032*E21029	0.034832	\$0.00
21033 Network Support Assets	D21033*E21029	0.014703	\$0.00
21034 General Support Assets	D21034*E21029	0.088742	\$0.01
21035 General Purpose Computers	D21035*E21029	0.043342	\$0.01
21036 Uncollectible	D21036*E21029	0.003786	\$0.00
21037 Accounting & Finance Expense	D21037*E21029	0.007346	\$0.00
21038 Human Resources Expense	D21038*E21029	0.008294	\$0.00
21039 Information Management Expense	D21039*E21029	0.070887	\$0.01
21040 Intangibles	D21040*E21029	0.000000	\$0.00
21041 Total Other Direct Expenses	Sum(E21032:E21040)		\$0.03
21042		<del></del>	
21043 TELRIC	E21032+E21041		\$0.16
21044			
21045 Common			
21046 Executive Expense	D21046*E21043	0.011267	\$0.00
21047 Planning Expense	D21047*E21043	0.000525	\$0.00
21048 External Relations Expense	D21048*E21043	0.037846	\$0.01
21049 Legal Expense	D21049*E21043	0.004717	\$0.00
21050 Other Procurement Expense	D21050*E21043	0.001860	\$0.00
21051 Research & Development Expense	D21051*E21043	0.000006	\$0.00
21052 Other General and Admin Expense	D21052*E21043	0.015064	\$0.00
21053 Common Costs	Sum(E21046:E21052)		\$0.01
21054			
21055 TELRIC + Common Costs	E21043+E21053		\$0.17

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Bert	Time Minutes	Prob #1	Prob #2	Prob #)	Prob Applied Time #4 (Minutes)	Labor Aloui Coat
A	В —	_ с		E	FG	H
					B * (C Thru F)	H * (G/60)

### MANUAL SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH)

\*ADD\*

-C.O. MTCE, - L40 (monthly cost)

MANUAL SCHEDULED TESTING - C-MESSAGE NOISE

\$0.12

Subtotal - C.O. MTCE L40 (monthly cost)	0.00 \$0.12
Total For Service:	0.00 \$0.12

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Item	Time Minutes	Prob	Prob #2	Prob #3	Prob Applied Time M (Minutes)	Labor Mour Cost
<u> </u>	В	С	D	Ē	F G	H
					B * (C Thru F)	H * (G/60)

### MANUAL SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH) (con't,

21107 Direct Cost			\$0.12
21108	<del>_</del>		
21109	Cost	Cost	
21110	Calculation	Factor	Cost
21111	8 C	D	E
21112 Merketing & Business Fees			
21113 Product Management Expense	D21113*E21107	0.019957	\$0.00
21114 Sales Expense	D21114*E21107	0.011877	\$0.00
21115 Product Advertising Expense	D21115*E21107	0.000000	\$0.00
21116 Business Fees (Other Operating Taxes)	D21116*Sum(E21107:E21115)	0.001483	\$0.00
21117 Total Marketing & Business Fees	Sum(E21107:E21116)		\$0.00
21118			
21119 Sub-Total Direct Cost & Marketing	E21107+E21117		\$0.12
21120			
21121 Other Direct Expenses			
21122 Network Operations	D21122*E21119	0.034832	\$0.00
21123 Network Support Assets	D21123°E21119	0.014703	\$0.00
21124 General Support Assets	D21124*E21119	0.088742	\$0.01
21125 General Purpose Computers	D21125*E21119	0.043342	\$0.01
21126 Uncollectible	D21126*E21119	0.003786	\$0.00
21127 Accounting & Finance Expense	D21127*E21119	0.007346	\$0.00
21128 Human Resources Expense	D21128*E21119	0.008294	\$0.00
21129 Information Management Expense	D21129*E21119	0.070887	\$0.01
21130 Intangibles	D21130*E21119	0.000000	\$0.00
21131 Total Other Direct Expenses	Sum(E21122:E21130)		\$0.03
21132			
21133 TELRIC	E21122+E21131		\$0.16
21134			
21135 Common			
21136 Executive Expense	D21136*E21133	0.011267	\$0.00
21137 Planning Expense	D21137*E21133	0.000525	\$0.00
21138 External Relations Expense	D21138*E21133	0.037846	\$0.01
21139 Legal Expense	D21139°E21133	0.004717	\$0.00
21140 Other Procurement Expense	D21140*E21133	0.001860	\$0.00
21141 Research & Development Expense	D21141*E21133	0.000006	\$0.00
21142 Other General and Admin Expense	D21142*E21133	0.015064	\$0.00
21143 Common Costs	Sum(E21136:E21142)		\$0.01
21144			
21145 TELRIC + Common Costa	E21133+E21143		\$0.17

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Near	Time Minut			ob Prob	Applied Time (Minutes)	Lebot Alour East
A	•	C C	U		G	п
					8 * (C Thru F)	H * (G/60)

## MANUAL SCHEDULED TESTING - BALANCE (PER MONTH)

ADD

-C.O. MTCE. - L40 (monthly cost)
MANUAL SCHEDULED TESTING - BALANCE

\$0.48

Subtotal - C.O. MTCE L40 (monthly cost)	0.00	\$0.48
Total For Service:	0.00	\$0.48

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

77me Univies B	Prob #1	Prob #2 D	Prob #3 E	Prob #d	Applied Time (Minutes) G	Lebor Hour H	Cost
					B * (C Thru F)		H * (G/60)

## MANUAL SCHEDULED TESTING - BALANCE (PER MONTH) (con't,

21197 Direct Coat		\$0.48
21198		
21199	Cost Cost	
21200	Calculation Factor	Cost
21201	B C D	
21202 Marketing & Business Fees		-
21203 Product Management Expense	D21203*E21197 0.0199	57 \$0.01
21204 Sales Expense	D21204*E21197 0.0118	
21205 Product Advertising Expense	D21205°E21197 0.0000	
21206 Business Fees (Other Operating Taxes)	D21206*Sum(E21197:E21205) 0.0014	
21207 Total Marketing & Business Fees	Sum(E21197;E21206)	\$0.02
21208		
21209 Sub-Total Direct Cost & Marketing	E21197+E21207	\$0.50
21210		
21211 Other Direct Expenses		
21212 Network Operations	D21212*E21209 0.0348	32 \$0.02
21213 Network Support Assets	D21213*E21209 0.0147	
21214 General Support Assets	D21214*E21209 0.0887	42 \$0.04
21215 General Purpose Computers	D21215°E21209 0.0433	42 \$0.02
21216 Uncollectible	D21216*E21209 0,0037	
21217 Accounting & Finance Expense	D21217°E21209 0.0073	46 \$0.00
21218 Human Resources Expense	D21218*E21209 0.0082	94 \$0.00
21219 Information Management Expense	D21219*E21209 0.0708	87 \$0.04
21220 Intangibles	D21220*E21209 0.0000	00.00
21221 Total Other Direct Expenses	Sum(E21212:E21220)	\$0.13
21222		
21223 TELRIC	E21212+E21221	\$0.63
21224		
21225 Common		
21226 Executive Expense	D21226*E21223 0.0112	57 \$0.01
21227 Planning Expens€	D21227*E21223 0.0005	25 \$0.00
21228 External Relations Expens∈	D21228°E21223 0.03784	46 \$0.02
21229 Legal Expense	D21229°E21223 0.0047	17 \$0.00
21230 Other Procurement Expense	D21230*E21223 0.00186	
21231 Research & Development Expense	D21231*E21223 0.00000	06 \$0.00
21232 Other General and Admin Expense	D21232*E21223 0.01500	
21233 Common Costs	Sum(E21226:E21232)	\$0.04
21234		
21235 TELRIC + Common Costs	E21223+E21233	\$0.68

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work them A	Time Attrutes B	ab Prab ½ #3 C E	Prob Applied Time #4 (Minutes) F G	Labor Iffour Coat
			B * (C Thru F)	H * (G/60)

#### MANUAL SCHEDULED TESTING - GAIN SLOPE (PER MONTH)

\*ADD\*

-C.O. MTCE, - L40 (monthly cost)

MANUAL SCHEDULED TESTING - GAIN SLOPE

\$0.12

Subtotal - C.O. MTCE - L40 (monthly cost)	0.00 \$0.12	
Total For Service:	0.00 \$0.12	

Study Name: NONRECURRING ELEMENTS Study Year: 2002

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Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob Applied Time #4 (Minutes)	Labor Hour Cost
	- е		0		F G	Н Т
					B * (C Thru F)	H * (G/60)

# MANUAL SCHEDULED TESTING - GAIN SLOPE (PER MONTH) (con't,

21287 Direct Cost			\$0.12
21288			90.12
21289	Cost	Cost	
21290	Calculation	Pector	Cost
21291	B C	<u> </u>	- VOS.
21292 Marketing & Business Fees	•		
21293 Product Management Expense	D21293*E21287	0.019957	\$0.00
21294 Sales Expense	D21293 E21207 D21294*E21287	0.019957	\$0.00
21295 Product Advertising Expense	D21294 E21207	0.000000	\$0.00
21296 Business Fees (Other Operating Taxes)	D21296*Sum(E21287:E21295)	0.000000	
21297 Total Marketing & Business Fees		0.001483	\$0.00
21297 Total Marketing & Business rees 21298	Sum(E21287:E21296)		\$0.00
	E21287+E21297		60.40
21299 Sub-Total Direct Cost & Marketing 21300	E2128/+E2129/		\$0.12
21301 Other Direct Expenses	D21302*E21299	0.004800	<b>#0.00</b>
21302 Network Operations		0.034832	\$0.00
21303 Network Support Assets	D21303*E21299	0.014703	\$0.00
21304 General Support Assets	D21304*E21299	0.088742	\$0.01
21305 General Purpose Computers	D21305*E21299	0.043342	\$0.01
21306 Uncollectible	D21306*E21299	0.003786	\$0.00
21307 Accounting & Finance Expense	D21307*E21299	0.007346	\$0.00
21308 Human Resources Expense	D21308*E21299	0.008294	\$0.00
21309 Information Management Expense	D21309*E21299	0.070887	\$0.01
21310 Intangibles	D21310*E21299	0.000000	\$0.00
21311 Total Other Direct Expenses	Sum(E21302:E21310)		\$0.03
21312 21313 TELRIC	E21302+E21311	<del></del>	\$0.16
21314	E213027C21311		\$0.10
21315 Common			
21316 Executive Expense	D21316*E21313	0.011267	\$0.00
21317 Planning Expense	D21317*E21313	0.000525	\$0.00
21318 External Relations Expense	D21318*E21313	0.037846	\$0.00
21319 Legal Expense	D21319*E21313	0.004717	\$0.00
21320 Other Procurement Expense	D21320*E21313	0.001860	\$0.00
21321 Research & Development Expense	D21320 E21313	0.000006	\$0.00
21322 Other General and Admin Expense	D21322*E21313	0.015064	\$0.00
21323 Common Costs	Sum(E21316;E21322)	3.013004	\$0.01
21324	Competion, Extended		10.00
21325 TELRIC + Common Costs	E21313+E21323		\$0.17
Clark Limits, Asimist same			

Study Name: NONRECURRING ELEMENTS

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Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work from	Time Minutes	Prob #1	Prob Prob #2 #3	Prob Applied Time #4 (Minutes)	Labor Hour Cost
	В	C	D - E -	F G	H
				B * (C Thru F)	H * (G/60)

MANUAL SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH)

\*ADD\*

-C.O. MTCE. - L40 (monthly cost)
MANUAL SCHEDULED TESTING - C-NOTCHED NOISE

\$0.12

Subtotal - C.O. MTCE L40 (monthly cost)	0.00	\$0.12
Total For Service:	0.00	\$0.12

Study Name: NONRECURRING ELEMENTS

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Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Rem	Tima Minute	Prob #1	Prob Prob #2 #3		Labor Mour Cost
	B	_ c	D E	F G	`H
				B * (C Thru F)	H * (G/60)

# MANUAL SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH) (con't,

21377 Direct Cost			\$0.12
21378			
21379	Cost	Cost	
21380	Calculation	Factor	Cost
21381	B C	D	E
21382 Marketing & Business Fees			
21383 Product Management Expense	D21383*E21377	0.019957	\$0.00
21384 Sales Expense	D21384*E21377	0.011877	\$0.00
21385 Product Advertising Expense	D21385*E21377	0.000000	\$0.00
21386 Business Fees (Other Operating Taxes)	D21386*Sum(E21377:E21385)	0.001483	\$0.00
21387 Total Marketing & Business Fees	Sum(E21377:E21386)		\$0.00
21388			
21389 Sub-Total Direct Cost & Marketing	E21377+E21387		\$0.12
21390			
21391 Other Direct Expenses			
21392 Network Operations	D21392*E21389	0.034832	\$0.00
21393 Network Support Assets	D21393*E21389	0.014703	\$0.00
21394 General Support Assets	D21394*E21389	0.088742	\$0.01
21395 General Purpose Computers	D21395*E21389	0.043342	\$0.01
21396 Uncollectible	D21396*E21389	0.003786	\$0.00
21397 Accounting & Finance Expense	D21397*E21389	0.007346	\$0.00
21398 Human Resources Expense	D21398*E21389	0.008294	\$0.00
21399 Information Management Expense	D21399*E21389	0.070887	\$0.01
21400 Intangibles	D21400*E21389	0.000000	\$0.00
21401 Total Other Direct Expenses	Sum(E21392:E21400)		\$0.03
21402			
21403 TELRIC	E21392+E21401		\$0.16
21404			
21405 Common			
21406 Executive Expense	D21406*E21403	0.011267	\$0.00
21407 Planning Expense	D21407*E21403	0.000525	\$0.00
21408 External Relations Expens∈	D21408*E21403	0.037846	\$0.01
21409 Legal Expense	D21409*E21403	0.004717	\$0.00
21410 Other Procurement Expense	D21410*E21403	0.001860	\$0.00
21411 Research & Development Expense	D21411*E21403	0.000006	\$0.00
21412 Other General and Admin Expense	D21412*E21403	0.015064	\$0.00
21413 Common Costs	Sum(E21406:E21412)		\$0.01
21414			
21415 TELRIC + Common Costs	E21403+E21413		\$0.17

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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	Time	Prob	Prob Prob I	Prob Applied Time	Labor	
Work them	Minutes	#1	#2 #3	\$4 (Minutes)	Hour	Cost
A	В	C -	D - E	F G	H	
				B * (C Thru F)		H * (G/60)
ADDITIONAL DISPATCH CHARGE						
<u>*ADD*</u>						
AFRICA DE NERVI CONTRIVATOR						
-SERVICE DELIVERY COORDINATOR						
.90 PROBABILITY IS MECHANICAL HANDLING						
.10 PROBABILITY IS MANUAL HANDLING						
.65 PROBABILITY MANUAL HANDLING						
.50 PROBABILITY MANUAL HANDLING						
.03 PROBABILITY ASR'S MANUALLY HANDLEL		0.000				
RECEIVE ASR MECHANICALLY	1	0.900		0.90	\$40.03	\$0.60
RECEIVE ASR VIA FAX	10	0.100		1.00	\$40.03	\$0.67
VALIDATE ASR IN EXACT	10	1.000		10.00	\$40.03	\$6.67
VALIDATE CONTRACT RATES	3	1.000		3.00	\$40.03	\$2.00
INTRA COMPANY CALLS	13	1.000		13.00	\$40.03	\$8.67
EXACT/TUF/IABS	1	1.000		1.00	\$40.03	\$0.67
VALIDATE IABS SERVICE ORDER	2	1.000 0.030		2.00	\$40.03	\$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CARDED IN 1485	5			0.15	\$40.03	\$0.10
DISTRIBUTE ORDER IN IABS	-	1.000		1.00	\$40.03	\$0.67
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	<u> </u>	1.000 1.000		1.00 1.00	\$40.03 \$40.03	\$0.67
EXACT/TUF/IABS VALIDATE IABS SERVICE ORDER	,	1.000		2.00	\$40.03 \$40.03	\$0.67 \$1.33
	- 1	1.000		1.00	\$40.03	\$1.33 \$0.67
DISTRIBUTE ORDER IN IABS PC LIST ASR	<u> </u>	1.000		1.00	\$40.03	\$0.67 \$0.67
FOC MANUAL	,	0.100		0.30	\$40.03	\$0.87 \$0.20
	1	0.900		0.90	\$40.03	\$0.20 \$0.60
FOC ELECTRONICALLY CHECK WFA	,	1.000		3.00	\$40.03	\$2.00
CHECK WAA CHECK IABS SERVICE ORDER	3	1.000		5.00	\$40.03	\$2.00 \$3.34
COMPLETE IABS SERVICE ORDER	1	1.000		1.00	\$40.03	\$0.67
COMPLETE IXAS SERVICE ONDER COMPLETE EXACT	<u> </u>	1.000		1.00	\$40.03	\$0.67 \$0.67
	2	1.000		2.00	\$40.03	
NOTE EXACT	2	1.000		2.00	\$40.03	\$1.33
Subtotal - SERVICE DELIVERY COORDINATOR				51.25		\$34.19
Subjulier - SENTICE DELITION COORDINATION				31.23		334.13
-LRAC						
SCREEN ORDER	2	1.000		2.00	\$37.78	\$1.26
LOAD WORK REQUEST TO TECH	5	1.000		5.00	\$37.78	\$3.15
CLOSE OUT WORK REQUEST	3	1.000		3.00	\$37.78	\$1.89
SESSE SOL WOLKLIEGES	ŭ			5.00	4010	Ψ1.40
Subtotal - LRAC			<del></del>	10.00		\$6.30
-INSTALL						
TRAVEL TIME	21	1.000		21.00	\$42.68	\$14.94
LOCATE CUST CONTACT	10	1.000		10.00	\$42.68	<b>\$7.1</b> 1

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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Work Rem	Time Minutes	Prob #1	Prob Prob Prob #2 #3 #4	58 56 5 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Labor Mour	Cost
A	В	С –	D E F	G B * (C Thru F)	Н	l H * (G/60)
ADDITIONAL DISPATCH CHARGE (con't,						
DISCUSS ORDER WITH CUST INFORM CENTER OF CNR WAIT FOR CENTER VERIFICATION	5 5 10	1.000 1.000 1.000		5.00 5.00 10.00	\$42.68 \$42.68 \$42.68	\$3.56 \$3.56 \$7.11
Subtotal - INSTALL				51.00		\$36.28
-SERVICE DELIVERY IMPLEMENTOR ATTEMPT ACCESS WITH CUST	15	1.000		15.00	\$43.81	\$10.95
Subtotal - SERVICE DELIVERY IMPLEMENTOR				15.00		\$10.95
Total For Service:				127.25		\$87.72

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Work Rem	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Mour	Cost
A	В	C	U	E.	-	G	н	1
						B * (C Thru F)		H * (G/60)

### ADDITIONAL DISPATCH CHARGE (con't,

21512 Direct Cool			\$87.72
21513			
21514	Cost	Cost	
21515	Calculation	Factor	Cost
21516	ВС	D	E
21517 Marketing & Business Fees			
21518 Product Management Expense	D21518*E21512	0.019957	\$1.75
21519 Sales Expense	D21519*E21512	0.011877	\$1.04
21520 Product Advertising Expense	D21520*E21512	0.000000	\$0.00
21521 Business Fees (Other Operating Taxes)	D21521*Sum(E21512:E21520)	0.001483	\$0.13
21522 Total Marketing & Business Fees	Sum(E21512:E21521)		\$2.93
21523			
21524 Sub-Totel Direct Cost & Marketing	E21512+E21522		\$90.65
21525			
21526 Other Direct Expenses			
21527 Network Operations	D21527*E21524	0.034832	\$3.16
21528 Network Support Assets	D21528*E21524	0.014703	\$1.33
21529 General Support Assets	D21529*E21524	0.088742	\$8.04
21530 General Purpose Computers	D21530*E21524	0.043342	\$3.93
21531 Uncollectible	D21531*E21524	0.003786	\$0.34
21532 Accounting & Finance Expense	D21532*E21524	0.007346	\$0.67
21533 Human Resources Expense	D21533*E21524	0.008294	\$0.75
21534 Information Management Expense	D21534*E21524	0.070887	\$6.43
21535 Intangibles	D21535*E21524	0.000000	\$0.00
21536 Total Other Direct Expenses	Sum(E21527:E21535)		\$24.65
21537			
21538 TELRIC	E21527+E21536		\$115.30
21539	- <del></del>		
21540 Common			
21541 Executive Expense	D21541*E21538	0.011267	\$1.30
21542 Planning Expense	D21542*E21538	0.000525	\$0.06
21543 External Relations Expense	D21543*E21538	0.037846	\$4.36
21544 Legal Expense	D21544*E21538	0.004717	\$0.54
21545 Other Procurement Expense	D21545*E21538	0.001860	\$0.21
21546 Research & Development Expense	D21546*E21538	0.000006	\$0.00
21547 Other General and Admin Expense	D21547*E21538	0.015064	\$1.74
21548 Common Costs	Sum(E21541:E21547)		\$8.22
21549	<del></del>		
21550 TELRIC + Common Costs	E21538+E21548		\$123.51

Study Name: NONRECURRING ELEMENTS

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Total For Service:

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51,25

\$34.19

Work flein	Time Minutes	Prob #1	44	Prob Pro #3 #4		Lebor Jitour Cost
A	В	C	p	E	G	H
					D + (A T) D	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

#### B\*(C Thru F) H \* (G/60) DATE CHANGE \*ADD\* -SERVICE DELIVERY COORDINATOR .90 PROBABILITY IS MECHANICAL HANDLING .10 PROBABILITY IS MANUAL HANDLING .65 PROBABILITY MANUAL HANDLING .50 PROBABILITY MANUAL HANDLING .03 PROBABILITY ASR'S MANUALLY HANDLED RECEIVE ASR MECHANICALLY 0.900 0.90 \$40.03 \$0.60 RECEIVE ASR VIA FAX 10 0.100 \$40.03 1.00 \$0.67 VALIDATE ASR IN EXACT 10 1.000 10.00 \$40.03 \$6.67 VALIDATE CONTRACT RATES 3 1.000 3.00 \$40.03 \$2.00 INTRA COMPANY CALLS 13 1.000 13.00 \$40.03 \$8.67 **EXACT/TUF/IABS** 1.000 1.00 \$40.03 \$0.67 **VALIDATE IABS SERVICE ORDER** 2 1.000 2.00 \$40.03 \$1.33 MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARCULATE CHARCULATE CHARCULATE CHARCULATE CHARCULAT 0.030 \$40.03 0.15 \$0.10 DISTRIBUTE ORDER IN IABS 1.000 \$40.03 1.00 \$0.67 VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE 1.000 \$40.03 1.00 \$0.67 EXACT/TUF/IABS 1.000 1.00 \$40.03 \$0.67 VALIDATE IABS SERVICE ORDER 2 1,000 2.00 \$40.03 \$1.33 DISTRIBUTE ORDER IN IABS 1.000 1.00 \$40.03 \$0.67 PC LIST ASR 1.000 \$40.03 1.00 \$0.67 FOC MANUAL 0.100 0.30 \$40.03 \$0.20 FOC ELECTRONICALLY 0.900 0.90 \$40.03 \$0.60 CHECK WFA 3 1,000 3.00 \$40.03 \$2.00 CHECK IABS SERVICE ORDER 1.000 5.00 \$40.03 \$3.34 COMPLETE IABS SERVICE ORDER 1.000 1.00 \$40.03 \$0.67 COMPLETE EXACT 1.000 1.00 \$40.03 \$0.67 NOTE EXACT 2 1.000 2.00 \$40.03 \$1.33 51.25 Subtotal - SERVICE DELIVERY COORDINATOR \$34.19

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Work Item A	Time Minutes B	Prob #1 C	Proti #2 D	rob Applied Time f4 (Minutes) F G	Lebor Atour Cost H I
				B * (C Thru F)	H * (G/60)

# DATE CHANGE (con't)

21602 Direct Cost			\$34.18
21603			
21604	Cost	Cost	
21605	Calculation	Factor	Cost
21606	B C	D	E
21607 Marketing & Business Fees			
21608 Product Management Expense	D21608*E21602	0.019957	\$0.68
21609 Sales Expense	D21609*E21602	0.011877	\$0.41
21610 Product Advertising Expense	D21610*E21602	0.000000	\$0.00
21611 Business Fees (Other Operating Taxes)	D21611*Sum(E21602;E21610)	0.001483	\$0.05
21612 Total Marketing & Business Fees	Sum(E21602:E21611)		\$1.14
21613			
21614 Sub-Total Direct Cost & Merketing	E21602+E21612		\$35.33
21615			
21616 Other Direct Expenses			
21617 Network Operations	D21617*E21614	0.034832	\$1.23
21618 Network Support Assets	D21618*E21614	0.014703	\$0.52
21619 General Support Assets	D21619*E21614	0.088742	\$3.14
21620 General Purpose Computers	D21620*E21614	0.043342	\$1.53
21621 Uncollectible	D21621*E21614	0.003786	\$0.13
21622 Accounting & Finance Expense	D21622*E21614	0.007346	\$0.26
21623 Human Resources Expense	D21623*E21614	0.008294	\$0.29
21624 Information Management Expense	D21624*E21614	0.070887	\$2.50
21625 Intangibles	D21625*E21614	0.000000	\$0.00
21626 Total Other Direct Expenses	Sum(E21617:E21625)		\$9.61
21627			
21628 TELRIC	E21617+E21626		\$44.94
21629			
21630 Common			
21631 Executive Expense	D21631*E21628	0.011267	\$0.51
21632 Planning Expense	D21632*E21628	0.000525	\$0.02
21633 External Relations Expense	D21633*E21628	0.037846	\$1.70
21634 Legal Expense	D21634*E21628	0.004717	\$0.21
21635 Other Procurement Expense	D21635*E21628	0.001860	\$0.08
21636 Research & Development Expense	D21636*E21628	0.000006	\$0.00
21637 Other General and Admin Expense	D21637*E21628	0.015064	\$0.68
21638 Common Costs	Sum(E21631:E21637)		\$3.20
21639			
21640 TELRIC + Common Costs	E21628+E21638		\$48.14

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Work Item	Time Minutes B	Prob #1	Prot #2 D	Prob	Prob	Applied Time (Minutes)	Labor /Hour	Cost
A	0	C	U	Ε -	٢	G B*(C Thru F)	H —	H * (G/6
SIGN CHANGE								
DD*								
RVICE DELIVERY COORDINATOR								
.90 PROBABILITY IS MECHANICAL HANDLING								
.10 PROBABILITY IS MANUAL HANDLING								
.65 PROBABILITY MANUAL HANDLING .50 PROBABILITY MANUAL HANDLING								
.03 PROBABILITY MANUAL HANDLING .03 PROBABILITY ASR's MANUALLY HANDLED								
RECEIVE ASR MECHANICALLY	1	0.900				0.90	\$40.03	
RECEIVE ASR VIA FAX	10	0.100				1.00	\$40.03	
VALIDATE ASR IN EXACT	10	1,000				10.00	\$40.03	
VALIDATE CONTRACT RATES	3	1.000				3.00	\$40.03	
INTRA COMPANY CALLS	13	1.000				13.00	\$40.03	
EXACT/TUF/IABS	1	1.000				1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	,	1.000				2.00	\$40.03	
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLOA FACILITY OR OTHER MAN	5	0.030				0.15	\$40.03	
DISTRIBUTE ORDER IN IABS	1	1.000				1.00	\$40.03	
VALIDATE 3 SUCCESSES IN SOAC TIRKS INTERFACE	i	1.000				1.00	\$40.03	
EXACT/TUF/IABS	i	1.000				1.00	\$40.03	
VALIDATE IABS SERVICE ORDER	2	1.000				2.00	\$40.03	
DISTRIBUTE ORDER IN IABS	1	1.000				1.00	\$40.03	
PC LIST ASR	1	1.000				1.00	\$40.03	
FOC MANUAL	3	0.100				0.30	\$40,03	
FOC ELECTRONICALLY	1	0.900				0.90	\$40.03	
CHECK WFA	3	1.000				3.00	\$40.03	
CHECK IABS SERVICE ORDER	5	1.000				5.00	\$40.03	
COMPLETE IABS SERVICE ORDER	1	1.000				1.00	\$40.03	
COMPLETE EXACT	1	1.000				1.00	\$40.03	
NOTE EXACT	2	1.000				2.00	\$40.03	
otal - SERVICE DELIVERY COORDINATOR						51.25		
SIGN								
Work is 100% manual.								
NAME AND LOG FACILITY	35	1.000				35.00	\$44.31	\$
BUILD DRI AND WA	6	1.000				6.00	\$44.31	
BUILD CIRCUIT DESIGN	10	1.000				10.00	\$44.31	
CXRH & DISTRIBUTE DOC	4	1.000				4.00	\$44.31	
otal - DESIGN						55.00		\$
For Service:						106.25		

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Work (text	Time Minutes	Prob Prof		ob Applied Time 4 (Minutes)	Labor Flow Cost
	8	С	E	- G	H
				B*(CThruF)	H * (G/60)

# DESIGN CHANGE (con't)

21693   21694   Cost   Cost   Cost   21695   21696   Cost   21695   Cost   21696   Cost   21696   Cost   21697   Marketing & Business Fees   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Est   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cos	21692 Direct Cost			\$74.81
Cost				
Calculation   Factor   Cost     21696   E		Cost	Cost	
B				Cost
21698   Rusheing & Business Fees				
21698 Product Management Expense   D21698*Ez1692   0.019357   \$1.49   21699 Sales Expense   D21700*Ez1692   0.011877   \$0.89   21700 Product Advartsing Expense   D21700*Ez1692   0.000000   \$0.00   21701 Business Fees (Other Operating Taxes)   D21701*Business Fees   D21701*Ez1692   0.000000   \$0.00   21701 Business Fees (Other Operating Taxes)   D21701*Business Fees   Sum(Ez1692:E21701)   \$2.50   21703	=			
21898   Sales Expense   D21699*   E21692   0.011877   \$0.89   \$21700   Product Advertising Expense   D21701*Eum(E21692: E21700)   0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00		D21698*F21692	0.019957	¢1 49
21700 Product Adventising Expense   D21700*E21692   0.000000   \$0.00   21701 Business Fees (Other Operating Taxes)   0.001483   \$0.11   21702   Totali Marketing & Business Fees   Sum(E21692:E21700)   0.001483   \$0.11   21703   21703   21705   21705   21705   21705   21705   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   21706   2				*
21701 Business Fees (Other Operating Taxos)   0.001483   \$0.11     21702   Total Marketing & Business Fees   Sum(E21692:E21701)   \$2.50     21703   \$2.1705   \$2.1705   \$2.1705   \$2.1705     21706   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$3.1705     21706   \$0.1707   \$2.1704   \$0.00000   \$3.20   \$3.20     21707 Network Operations   \$2.1707*E21704   \$0.034832   \$2.59     21708   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.1705   \$2.				
21703				
21703   Sub-Total Direct Cost & Marketing   E21692+E21702   \$77.31     21706 Other Direct Expenses			0.001403	
21704   Sub-Total Direct Cost & Marketing   E21692+E21702   \$77.31     21705		Julin(E21092:E21701)		\$2.50
21705		F01000 F01200		677.04
21706   Other Direct Expenses		E2109Z+E21/U2		<u> ⊅//.31</u> ]
21707 Network Operations				
21708 Network Support Assets		DO47076704	0.004000	00.00
21709 General Support Assets				
21710 General Purpose Computers   D21710*E21704   0.043342   \$3.35   \$21711 Uncollectible   D21711*E21704   0.003786   \$0.29   \$21712 Accounting & Finance Expense   D21712*E21704   0.003786   \$0.29   \$0.27   \$1713 Human Resources Expense   D21713*E21704   0.008294   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.57   \$0.64   \$0.67   \$0.65   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$0.67   \$				
21711 Uncollectible				
21712 Accounting & Finance Expense   D21712*E21704   0.007346   \$0.57   21713 Human Resources Expense   D21713*E21704   0.008294   \$0.64   21714 Information Management Expense   D21714*E21704   0.0070887   \$5.48   21715 Intangibles   D21715*E21704   0.00000   \$0.00   21716   Total Other Direct Expenses   Sum(E21707:E21715   \$21.02   21717   TELRIC   E21707*E21716   \$98.33   21719   Common   21721 Executive Expense   D21721*E21718   0.011267   \$1.11   21722 Planning Expense   D21722*E21718   0.000525   \$0.05   21723 External Relations Expense   D21723*E21718   0.000525   \$0.05   21723 External Relations Expense   D21723*E21718   0.004717   \$0.46   21725 Other Procurement Expense   D21723*E21718   0.004717   \$0.46   21726 Research & Development Expense   D21725*E21718   0.001600   \$0.18   21727 Other General and Admin Expense   D21727*E21718   0.000006   \$0.00   21727 Other General and Admin Expense   D21727*E21718   0.000006   \$0.00   21728   Common Coste   D21727*E21727   0.015064   \$1.48   21729   Common Coste   D21727*E21727   0.015064   \$1.49   21729   Common Coste   D21727*E21727   0.015064   \$1.49   21729   Common Coste   D21727*E21727   0.015064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   Common Coste   D21727*E21727   0.05064   \$1.49   21729   C				
21713 Human Resources Expense   D21713*E21704   0.008294   \$0.64				
21714 Information Management Expense   D21714*E21704   0.070887   \$5.48		:::		
21715   Intangibles   D21715*E21704   D.000000   \$0.00     21716   Total Other Direct Expenses   Sum(E21707:E21715)   \$21.02     21717				* *
21716   Total Other Direct Expenses   Sum(E21707:E21715]   \$21.02     21717   TELRIC   E21707+E21716   \$98.33     21719		_ · · · · · · · · · · · · · · · · · · ·		, ,
21717			0.000000	
21718 TELRIC   E21707+E21716   \$98.33     21719		Sum(E21707:E21715)		\$21.02
21719   21720   Common   21721   Executive Expense   D21721*E21718   D.011267   \$1.11   21722   Planning Expense   D21722*E21718   D.000525   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05   \$0.05				
21720 Common 21721 Executive Expense D21721*E21718 0.011267 \$1.11 21722 Planning Expense D21722*E21718 0.000525 \$0.05 21723 External Relations Expense D21723*E21718 0.037846 \$3.72 21724 Legal Expense D21724*E21718 0.004717 \$0.46 21725 Other Procurement Expense D21725*E21718 0.001860 \$0.18 21726 Research & Development Expense D21725*E21718 0.000006 \$0.00 21727 Other General and Admin Expense D21725*E21718 0.000006 \$0.00 21728 Common Costs Sum(E21721:E21727) \$7.01		E21707+E21716		\$98.33
21721 Executive Expense       D21721*E21718       0.011267       \$1.11         21722 Planning Expense       D21722*E21718       0.000525       \$0.05         21723 External Relations Expense       D21723*E21718       0.037846       \$3.72         21724 Legal Expense       D21724*E21718       0.004717       \$0.46         21725 Other Procurement Expense       D21725*E21718       0.001860       \$0.18         21726 Research & Development Expense       D21726*E21718       0.00006       \$0.00         21727 Other General and Admin Expense       D21727*E21718       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01         21729				
21722 Planning Expense       D21722*E21718       0.00525       \$0.05         21723 External Relations Expense       D21723*E21718       0.037846       \$3.72         21724 Legal Expense       D21724*E21718       0.004717       \$0.46         21725 Other Procurement Expense       D21725*E21718       0.001860       \$0.18         21726 Research & Development Expense       D21726*E21718       0.00006       \$0.00         21727 Other General and Admin Expense       D21727*E21718       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01	-· ¥-······			
21723 External Relations Expense       D21723*E21718       0.037846       \$3.72         21724 Legal Expense       D21724*E21718       0.004717       \$0.46         21725 Other Procurement Expense       D21725*E21718       0.001860       \$0.18         21726 Research & Development Expense       D21726*E21718       0.000006       \$0.00         21727 Other General and Admin Expense       D21727*E21718       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01	21721 Executive Expense	<del>-</del>		
21724 Legal Expense       D21724*E21718       0.004717       \$0.46         21725 Other Procurement Expense       D21725*E21718       0.001860       \$0.18         21726 Research & Development Expense       D21726*E21718       0.000006       \$0.00         21727 Other General and Admin Expense       D21727*E21718       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01         21729	21722 Planning Expens∈			
21725 Other Procurement Expense       D21725*E21718       0.001860       \$0.18         21726 Research & Development Expense       D21726*E21718       0.00006       \$0.00         21727 Other General and Admin Expense       D21727*E21718       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01         21729	21723 External Relations Expense	D21723*E21718	0.037846	\$3.72
21726 Research & Development Expense       D21726*E21718       0.000006       \$0.00         21727 Other General and Admin Expense       D21727*E21716       0.015064       \$1.48         21728 Common Costs       Sum(E21721:E21727)       \$7.01         21729	21724 Legal Expense	D21724*E21718	0.004717	\$0.46
21727 Other General and Admin Expense D21727*E21718 0.015064 \$1.48 21728 Common Costs Sum(E21721:E21727) \$7.01 21729	21725 Other Procurement Expense	D21725*E21718	0.001860	\$0.18
21728 Common Costs Sum(E21721:E21727) \$7.01 21729	21726 Research & Development Expense		0.000006	\$0.00
21729		D21727*E21718	0.015064	_ \$1.48
21729	21728 Common Costs	Sum(E21721:E21727)		\$7.01
21730 TELRIC + Common Costs E21718+E21728 \$105.34	21729			
	21730 TELRIC + Common Costs	E21718+E21728		\$105.34

Study Name: NONRECURRING ELEMENTS

Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work them A	Time Minutes B	Prot #1 C	Prot #2 D	ad and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon	rob Applied Time 64 (Minutes) F G B*(C Thru F)	Lebor IFfour H	<b>Cost</b>     H * (G/60)
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MECHANIZED EXISTING SERVICE							
*ADD*							
-INTERCONNECT SERVICE CENTER  Prob 1 (.05) is percent orders that fall out.  Screen and route to order writer.	5	0.050			0.25	\$39.16	\$0.16
Type change of Service Provider - 1st line	10	0.050			0.50	\$39.16	\$0.33
Subtotal - INTERCONNECT SERVICE CENTER					0.75		\$0.49
Total For Service:					0.75		\$0.49

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Work Rem	Time Mirates		rat Proti #2 #3 D E	Prob Applied Tim #4 (Minutes)	
<b>A</b>	~	•		, ,	11
				B * (C Thru	F) H * (G/60)

# UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MECHANIZED EXISTING SERVICE (con't)

21782 Direct Court			\$0,49
21783			
21784	Cost	Cost	
21785	Calculation	Factor	Cost
21786	8 C	D	E
21787 Marketing & Business Fees			
21788 Product Management Expense	D21788*E21782	0.019957	\$0.01
21789 Sales Expense	D21789*E21782	0.011877	\$0.01
21790 Product Advertising Expense	D21790*E21782	0.000000	\$0.00
21791 Business Fees (Other Operating Taxes)	D21791*Sum(E21782:E21790)	0.001483	\$0.00
21792 Total Marketing & Business Fees	Sum(E21782:E21791)		\$0.02
21793			
21794 Sub-Total Direct Cost & Marketing	E21782+E21792		\$0.51
21795			
21796 Other Direct Expenses			
21797 Network Operations	D21797*E21794	0.034832	\$0.02
21798 Network Support Assets	D21798*E21794	0.014703	\$0.01
21799 General Support Assets	D21799*E21794	0.088742	\$0.04
21800 General Purpose Computers	D21800*E21794	0.043342	\$0.02
21801 Uncollectible	D21801*E21794	0.003786	\$0.00
21802 Accounting & Finance Expense	D21802*E21794	0.007346	\$0.00
21803 Human Resources Expense	D21803*E21794	0.008294	\$0.00
21804 Information Management Expense	D21804*E21794	0.070887	\$0.04
21805 Intangibles	D21805*E21794	0.000000	\$0.00
21806 Total Other Direct Expenses	Sum(E21797:E21805)		\$0.14
21807			
21808 TELRIC	E21797+E21806		\$0.64
21809			
21810 Common			
21811 Executive Expense	D21811*E21808	0.011267	\$0.01
21812 Planning Expense	D21812*E21808	0.000525	\$0.00
21813 External Relations Expens∈	D21813*E21808	0.037846	\$0.02
21814 Legal Expense	D21814*E21808	0.004717	\$0.00
21815 Other Procurement Expense	D21815*E21808	0.001860	\$0.00
21816 Research & Development Expense	D21816*E21808	0.000006	\$0.00
21817 Other General and Admin Expense	D21817*E21808	0.015064	\$0.01
21818 Common Costs	Sum(E21811:E21817)		\$0.05
21819			
21820 TELRIC + Common Costs	E21808+E21818		\$0.69

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Total For Service:

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\$0.10

Minutes			#4 (Minutes)	Alour	Cost
ь	C i	J E	B * (C Thru F)	н	H * (G/60)
3	0.050		0.15	\$39.16	\$0.10
			0.15		\$0.10
	Minutes B	Minates #1 P	Minates 11 22 85 B C D E	## ## ## ## ## ### ###################	Minutes #1 #2 #3 #4 (Minutes) **Four B C D E F G H B * (C Thru F)

Study Name: NONRECURRING ELEMENTS

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Time <i>Hinutes</i> B	Prob #1 C	Prob #2 D	rab Applied Time #4 <i>(Minutes)</i> F G	Labor Mour Cost H
			B*(C Thru F)	H * (G/60)

# UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MECHANIZED EXISTING SERVICE (con't)

21872 Direct Cost		_	\$0.10
21873			40.10
21874	Cost	Cost	
21875		Factor	Cost
21876	B C	D	E
21877 Marketing & Business Fees			
21878 Product Management Expense	D21878*E21872	0.019957	\$0.00
21879 Sales Expense	D21879*E21872	0.011877	\$0.00
21880 Product Advertising Expense	D21880*E21872	0.000000	\$0.00
21881 Business Fees (Other Operating Taxes)	D21881*Sum(E21872:E21880)	0.001483	\$0.00
21882 Total Marketing & Business Fees	Sum(E21872; E21881)		\$0.00
21883			
21884 Sub-Total Direct Cost & Marketing	E21872+E21882		\$0.10
21885			
21886 Other Direct Expenses			
21887 Network Operations	D21887*E21884	0.034832	\$0.00
21888 Network Support Assets	D21888*E21884	0.014703	\$0.00
21889 General Support Assets	D21889*E21884	0.088742	\$0.01
21890 General Purpose Computers	D21890*E21884	0.043342	\$0.00
21891 Uncollectible	D21891*E21884	0.003786	\$0.00
21892 Accounting & Finance Expense	D21892*E21884	0.007346	\$0.00
21893 Human Resources Expense	D21893*E21884	0.008294	\$0.00
21894 Information Management Expens€	D21894*E21884	0.070887	\$0.01
21895 Intangibles	D21895*E21884	0.000000	\$0.00
21896 Total Other Direct Expenses	Sum(E21887:E21895)		\$0.03
21897			
21898 TELRIC	E21887+E21896		\$0.13
21899			
21900 Common	D040044704040	0.04400=	
21901 Executive Expense	D21901°E21898	0.011267	\$0.00
21902 Planning Expense	D21902*E21898	0.000525	\$0.00
21903 External Relations Expense	D21903*E21898	0.037846	\$0.00
21904 Legal Expense	D21904*E21898	0.004717	\$0.00
21905 Other Procurement Expense	D21905*E21898	0.001860	\$0.00
21906 Research & Development Expense 21907 Other General and Admin Expense	D21906*E21898 D21907*E21898	0.000006	\$0.00
21907 Other General and Admin Expense 21908 Common Costs	Sum(E21901:E21907)	0.015064	\$0.00 \$0.01
21909 Common Costs	3um(E21301:E21307)		\$0.01
21910 TELRIC + Common Costs	E21898+E21908		\$0.14
TO 14 1-Mile & American Appropria	EL I VOUT EL I GOU		90.14

Study Name: NONRECURRING ELEMENTS

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Work Itsm	Time Minutes	Prob #1	Prob Prob Prob	Applied Time (Minstee)	Labor Mour	Cost
Å	В	С	D E F	G B * (C Thru F)	H	T H*(G/60)
				,		, .
UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MANUAL EXISTING SERVICE						
*ADD*						
-INTERCONNECT SERVICE CENTER						
Receive request and send CSR (Customer Service Record)	3	1.000		3.00	\$39.16	\$1.96
Receive and screen LSR (Loop Service Request)	5	1.000		5.00	\$39.16	\$3.26
Type change of Service Provider - 1st line	10	1.000		10.00	\$39.16	\$6.53
Subtotal - INTERCONNECT SERVICE CENTER	<del></del>			18.00		\$11.75
Total For Service:	<del></del>			18.00		\$11.75

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Work Neura A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob Applied Time #4 (Minutes) F G	Labor Afour Cost H I	
					B * (C Thru F)	H * (G/	60)

## UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MANUAL EXISTING SERVICE (con't)

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21962   Direct Cost	\$11.75 Cost E \$0.23 \$0.14 \$0.00 \$0.02
21965 21966 21967 B C D 21967 Marketing & Business Fees	\$0.23 \$0.14 \$0.00
21965 21966 21967 BCD 21967 Marketing & Business Fees	\$0.23 \$0.14 \$0.00
21966 21967 Marketing & Business Fees	\$0.23 \$0.14 \$0.00
21967 Marketing & Business Fees	\$0.23 \$0.14 \$0.00
	\$0.14 \$0.00
	\$0.14 \$0.00
21969 Sales Expense D21969*E21962 0.011877	\$0.00
21950 Product Advertising Expense D21970*E21962 0.000000	
21971 Business Fees (Other Operating Taxes)	
2197 Dutai Marketing & Business Fees Sum(E21962; E21971) 0.001463	\$0.39
21973 Sum(E21902; E21971)	\$0.39
21973 E21962+E21972	646.447
	\$12.14
21975	
21976 Other Direct Expenses	
21977 Network Operations <b>D21977*E21974</b> 0.034832	\$0.42
21978 Network Support Assets D21978*E21974 0.014703	\$0.18
21979 General Support Assets <b>D21979*E21974</b> 0.088742	\$1.08
21980 General Purpose Computers <b>D21980* ⊆21974</b> 0.043342	\$0.53
21981 Uncollectible <b>D21981*E21974</b> 0.003786	\$0.05
21982 Accounting & Finance Expense D21982*E21974 0.007346	\$0.09
21983 Human Resources Expense <b>D21983*E21974</b> 0.008294	\$0.10
21984 Information Management Expense D21984*E21974 0.070887	\$0.86
21985 Intangibles D21985*E21974 0.000000	\$0.00
21986 Total Other Direct Expenses Sum(E21977:E21985)	\$3.30
21987	
21988 TELAIC E21977+E21986	\$15.44
21989	
21990 Common	
21991 Executive Expense D21991*E21986 0.011267	\$0.17
21992 Planning Expense D21992*E21988 0.000525	\$0.01
21993 External Relations Expense <b>D21993*E21988</b> 0.037846	\$0.58
21994 Legal Expense D21994*E21988 0.004717	\$0.07
21995 Other Procurement Expense <b>D21995*E21988</b> 0.001860	\$0.03
21996 Research & Development Expense D21996*E21988 0.000006	\$0.00
21997 Other General and Admin Expense D21997*E21988 0.015064	\$0.23
21998 Common Costs Sum(E21997)	\$1.10
21999	تـــــــ
22000 TELRIC + Common Costs E21988+E21998	\$16.54

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Work flear	Time Minutee	Prob	Prob Prob	Prob Applied Time #4 (Minutes)	Labor /Hour	Cost
A	В	С	D E	F G B*(CThru F)	Н	H * (G/60)
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MANUAL EXISTING SERVICE						
*ADD*						
-INTERCONNECT SERVICE CENTER  Type change of Service Provider - additional line	3	1.000		3.00	\$39.16	\$1.96
Subtotal - INTERCONNECT SERVICE CENTER				3.00		\$1.96
Total For Service:	<del></del>		<del></del>	3.00		\$1.96

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Work flein A	Time Minutes B	rah Prob 12 #3 D E		Abor Hour Cast
			B * (C Thru F)	H * (G/60)

#### UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MANUAL EXISTING SERVICE (con't)

22052   Placet Coet   Coet   Coest   Coet   Coest   Coet   Coest   Coet   Coest   Coet   Coest   Coet   Coet   Coest   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet   Coet	COOKS THE COURT OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF THE COOKS OF			
20054   Cost   Calculation   Pactor   Cost   20056   20056   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eactor   Eac				<b>3</b> 1.80
22055				
22056				F
22057   Marketing & Businese Fees				
22058 Product Management Expense   D22058*E22052   0.019857   \$0.04	<del></del>			
22099 Sales Expense   D22067*E22052   0.011877   \$0.02		D00050+F000F0	0.040057	<b>f</b> 0.04
2000   Product Advertising Expense   D22060*E22052   0.000000   \$0.00				
22061   Business Fees (Other Operating Taxes)   D22061*Sum(E22052:E22060)   0.001483   \$0.007				
20062   Total Marketing & Business Féee   Sum(E22052:E22061)   \$0.07				
22063   22064 Sub-Total Direct Cost & Marketing   22052+E22062   \$2.02			0.001483	
22064 Sub-Total Direct Cost & Marketing   E22052+E22062   \$2.02		Sum(E22052; E22061)		\$0.07
22065   22066   22067   22064   22064   22067   22068   22067   22068   22067   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   22068   2206				
22066   Other Direct Expenses   D22067*E22064   0.034832   \$0.07		E22052+E22062	·	\$2.02
22067 Network Operations   D22067*E22064   0.034832   \$0.07				
22068 Network Support Assets   D22068*E22064   0.014703   \$0.03				
22069 General Support Assets   D22069*E22064   0.088742   \$0.18				
22070 General Purpose Computers   D22070*E22064   0.043342   \$0.09				
22071 Uncollectible   D22071*E22064   0.003786   \$0.01	22069 General Support Assets	D22069*E22064	0.088742	
22072 Accounting & Finance Expense   D22072*E22064   0.007346   \$0.01	22070 General Purpose Computers	D22070*E22064	0.043342	\$0.09
22073 Human Resources Expense   D22073*E22064   0.008294   \$0.02	22071 Uncollectible	D22071*E22064	0.003786	\$0.01
22074 Information Management Expense   D22074*E22064   0.070887   \$0.14	22072 Accounting & Finance Expense	D22072*E22064	0.007346	\$0.01
22075   Intangibles   D22075*E22064   0.000000   \$0.00	22073 Human Resources Expense			
22076   Total Other Direct Expenses   Sum(E22067:E22075]   \$0.55	22074 Information Management Expense	D22074*E22064	0.070887	\$0.14
22077   22078 TELRIC   E22067+E22076   \$2.57		D22075*E22064	0.000000	\$0.00
22078 TELRIC   E2207+E22076   \$2.57	22076 Total Other Direct Expenses	Sum(E22067:E22075)		\$0.55
22079         22080 Common         22081 Executive Expense       D22081*E22078       0.011267       \$0.03         22082 Planning Expense       D22082*E22078       0.00525       \$0.00         22083 External Relations Expense       D22083*E22078       0.037846       \$0.10         22084 Legal Expense       D22084*E22078       0.004717       \$0.01         22085 Other Procurement Expense       D22085*E22078       0.001860       \$0.00         22086 Research & Development Expense       D22086*E22078       0.000006       \$0.00         22087 Other General and Admin Expense       D22087*E22078       0.015064       \$0.04         22088 Common Costs       Sum(E2081:E22087)       \$0.18	22077			
22080 Common       D22081*E22078       0.011267       \$0.03         22081 Executive Expense       D22082*E22078       0.00525       \$0.03         22083 External Relations Expense       D22083*E22078       0.037846       \$0.10         22084 Legal Expense       D22084*E22078       0.04717       \$0.01         22085 Other Procurement Expense       D22085*E22078       0.001860       \$0.00         22086 Research & Development Expense       D22086*E22078       0.000006       \$0.00         22087 Other General and Admin Expense       D22087*E22078       0.015064       \$0.04         22088 Common Costs       Sum(E22081:E22087)       \$0.15       \$0.18	22078 TELRIC	E22067+E22076		\$2.57
22081 Executive Expense         D22081*E22078         0.011267         \$0.03           22082 Planning Expense         D22082*E22078         0.000525         \$0.00           22083 External Relations Expense         D22083*E22078         0.037846         \$0.10           22084 Legal Expense         D22084*E22078         0.04717         \$0.01           22085 Other Procurement Expense         D22085*E22078         0.001860         \$0.00           22086 Research & Development Expense         D22086*E22078         0.000006         \$0.00           22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         Sum(E22081:E22087)         \$0.18	22079			
22082 Planning Expense       D22082*E22078       0.000525       \$0.00         22083 External Relations Expense       D22083*E22078       0.037846       \$0.10         22084 Legal Expense       D22084*E22078       0.004717       \$0.01         22085 Other Procurement Expense       D22085*E22078       0.001860       \$0.00         22086 Research & Development Expense       D22086*E22078       0.000006       \$0.00         22087 Other General and Admin Expense       D22087*E22078       0.015064       \$0.04         22088 Common Costs       Sum(E22081:E22087)       \$0.18	22080 Common			
22083 External Relations Expense         D22083*E22078         0.037846         \$0.10           22084 Legal Expense         D22084*E22078         0.004717         \$0.01           22085 Other Procurement Expense         D22085*E22078         0.001860         \$0.00           22086 Research & Development Expense         D22086*E22078         0.000006         \$0.00           22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         Sum(E22081:E22087)         \$0.18	22081 Executive Expense	D22081*E22078	0.011267	\$0.03
22084 Legal Expense         D22084*E22078         0.004717         \$0.01           22085 Other Procurement Expense         D22085*E22078         0.001860         \$0.00           22086 Research & Development Expense         D22086*E22078         0.000006         \$0.00           22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         \$um(E22081:E22087)         \$0.18           22089         \$0.00         \$0.00	22082 Planning Expense	D22082*E22078	0.000525	\$0.00
22085 Other Procurement Expense       D22085*E22078       0.001860       \$0.00         22086 Research & Development Expense       D22086*E22078       0.000006       \$0.00         22087 Other General and Admin Expense       D22087*E22078       0.015064       \$0.04         22088 Common Costs       Sum(E22081:E22087)       \$0.18         22089       \$0.18       \$0.00	22083 External Relations Expense	D22083*E22078	0.037846	\$0.10
22086 Research & Development Expense         D22086*E22078         0.000006         \$0.00           22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         Sum(E22081:E22087)         \$0.18           22089         Sum(E22081:E22087)         \$0.18	22084 Legal Expense	D22084*E22078	0.004717	\$0.01
22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         Sum(E22081:E22087)         \$0.18           22089         Sum (E22081:E22087)         \$0.18	22085 Other Procurement Expense	D22085*E22078	0.001860	\$0.00
22087 Other General and Admin Expense         D22087*E22078         0.015064         \$0.04           22088 Common Costs         Sum(E22081:E22087)         \$0.18           22089         Sum (E22081:E22087)         \$0.18		D22086*E22078	0.000006	\$0.00
22088 Common Costs Sum(E22081:E22087) \$0.18 22089		D22087*E22078	0.015064	\$0.04
22089		Sum(E22081:E22087)		\$0.18
22090 TELRIC + Common Costs E22078+E22088 \$2.76				
	22090 TELRIC + Common Costs	E22078+E22088		\$2.76

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work Rem	Time Minutes	#1	Prob Prob Prob Applied Time #2 #3 #4 (Minutos)	Labor Mour	Cost
A	В	C -	B*(C Thru F)	н	l H * (G/60)
UNE-P PBX DID TRUNKS EXISTING SERVICE					
*ADD*					
-INTERCONNECT SERVICE CENTER					
.5 probability is percent of time this activity will occur.					
Review LSR for completeness and accuracy, contractual entries	3	1.000	3.00		\$2.00
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	2.00		\$1.33
Verify Qwest end user Customer Service Record if order issuance applicable to this product	2	1.000	2.00		\$1.33
Determine if the end user has Qwest directory advertising	1	1.000	1.00		\$0.67
Determine if the end user has Qwest retail contract	1	1.000	1.00		\$0.67
Determine critical dates	]	1.000	1.00		\$0.67
If directory advertising or retail contract or both, issue order to remove information from account	1	0.500	0.50		\$0.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000 1.000	3.00		\$2.00
Input order into service order processor. Type and format order for billing and provisioning Ensure order is successfully distributed to the systems and is ready for provisioning	10	1.000	10.00 3.00		\$6.67 \$2.00
Ensure order is successibily distributed to the systems and is ready for provisioning	3	1.000	3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER			26.50		\$17.68
-SERVICE DESIGN CENTER - IMPLEMENTOR					
Access Work Authorization	2	1.000	2.00	\$44.31	\$1.48
Closeout activities	3	1.000	3.00		\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR		<del></del>	5.00		\$3.69
Total For Service:			31.50		\$21.37

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work flem	Time Minutes		Prob Prob #2 #3	Prob Applied Time #4 (Minutes)	Labor Hour Cost
A	8	C	D E	F G	H
				B * (C Thru F)	H * (G/60)

# UNE-P PBX DID TRUNKS EXISTING SERVICE (con't,

22142 Direct Cost			521,37
22143			***************************************
22144	Cost	Cost	
22145	Calculation	Factor	Cost
22146	в с	D	E
22147 Marketing & Business Fees			
22148 Product Management Expense	D22148*E22142	0.019957	\$0.43
22149 Sales Expense	D22149*E22142	0.011877	\$0.25
22150 Product Advertising Expense	D22150*E22142	0.000000	\$0.00
22151 Business Fees (Other Operating Taxes)	D22151*Sum(E22142:E22150)	0.001483	\$0.03
22152 Total Marketing & Business Fees	Sum(E22142:E22151)		\$0.71
22153			
22154 Sub-Total Direct Cost & Marketing	E22142+E22152		\$22.09
22155			
22156 Other Direct Expenses			
22157 Network Operations	D22157*E22154	0.034832	\$0.77
22158 Network Support Assets	D22158*E22154	0.014703	\$0.32
22159 General Support Assets	D22159*E22154	0.088742	\$1.96
22160 General Purpose Computers	D22160*E22154	0.043342	\$0.96
22161 Uncollectible	D22161*E22154	0.003786	\$0.08
22162 Accounting & Finance Expense	D22162*E22154	0.007346	\$0.16
22163 Human Resources Expense	D22163*E22154	0.008294	\$0.18
22164 Information Management Expense	D22164*E22154	0.070887	\$1.57
22165 Intangibles	D22165*E22154	0.000000	\$0.00
22166 Total Other Direct Expenses	Sum(E22157:E22165)		\$6.01
22167			
22168 TELRIC	E22157+E22166		\$28.09
22169			
22170 Common			
22171 Executive Expense	D22171*E22168	0.011267	\$0.32
22172 Planning Expense	D22172*E22168	0.000525	\$0.01
22173 External Relations Expense	D22173*E22168	0.037846	\$1.06
22174 Legal Expense	D22174*E22168	0.004717	\$0.13
22175 Other Procurement Expense	D22175*E22168	0.001860	\$0.05
22176 Research & Development Expense	D22176*E22168	0.000006	\$0.00
22177 Other General and Admin Expense	D22177*E22168	0.015064	\$0.42
22178 Common Costs	Sum(E22171:E22177)		\$2.00
22179	F00100 - F00170		#00 oc
22180 TELRIC + Common Costs	E22168+E22178		\$30.09

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

Total For Service:

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3.00

Date: 06/03/02

\$2.00

Work Hern	Time Minutes	Prob #1	Prob #2	Prot. Prob	Applied Time (Minutes)	Labor Hour	Cost
A	В	С	D	E F	G B*(CThruF)	H	H * (G/60)
UNE-P PBX DID TRUNKS EXISTING SERVICE EACH ADDL							
*ADD*							
-INTERCONNECT SERVICE CENTER Input order into service order processor. Type and format order for billing and provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER					3.00		\$2.00

1 1 1 1

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Nem A	Time Minutes B	Prob #1 C	Prab ¥2 D	activities with a second	rob Applied Time #4 (Minutes) F G	Labor Mour Cost
					B * (C Thru F)	H * (G/60)

#### UNE-P PBX DID TRUNKS EXISTING SERVICE EACH ADDL (con't,

22232 Direct Cost			\$2.00
22233			
22234	Cost	Cost	
22235	Calculation	Factor	Cost
22236	B C	D	E
22237 Marketing & Business Fees			
22238 Product Management Expense	D22238*E22232	0.019957	\$0.04
22239 Sales Expense	D22239*E22232	0.011877	\$0.02
22240 Product Advertising Expense	D22240*E22232	0.000000	\$0.00
22241 Business Fees (Other Operating Taxes)	D22241*Sum(E22232:E22240)	0.001483	<u>\$0.00</u>
22242 Total Marketing & Business Fees	Sum(E22232:E22241)		\$0.07
22243			
22244 Sub-Total Direct Cost & Marketing	E22232+E22242		\$2.07
22245			
22246 Other Direct Expenses			
22247 Network Operations	D22247*E22244	0.034832	\$0.07
22248 Network Support Assets	D22248*E22244	0.014703	\$0.03
22249 General Support Assets	D22249*E22244	0.088742	\$0.18
22250 General Purpose Computers	D22250*E22244	0.043342	\$0.09
22251 Uncollectible	D22251*E22244	0.003786	\$0.01
22252 Accounting & Finance Expense	D22252*E22244	0.007346	\$0.02
22253 Human Resources Expense	D22253*E22244	0.008294	\$0.02
22254 Information Management Expense	D22254*E22244	0.070887	\$0.15
22255 Intangibles	D22255*E22244	0.000000	\$0.00
22256 Total Other Direct Expenses	Sum(E22247:E22255)		\$0.56
22257			
22258 TELRIC	E22247+E22256		\$2.63
22259			
22260 Common			
22261 Executive Expense	D22261*E22258	0.011267	\$0.03
22262 Planning Expense	D22262*E22258	0.000525	\$0.00
22263 External Relations Expense	D22263*E22258	0.037846	\$0.10
22264 Legal Expense	D22264*E22258	0.004717	\$0.01
22265 Other Procurement Expense	D22265*E22258	0.001860	\$0.00
22266 Research & Development Expense	D22266*E22258	0.000006	\$0.00
22267 Other General and Admin Expense	D22267*E22258	0.015064	\$0.04
22268 Common Costs	Sum(E22261:E22267)		\$0.19
22269			
22270 TELRIC + Common Costs	E22258+E22268		\$2.82

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

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State: South Dakota

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ann saontamhain saon a taon an taonaga a saon agus an Mark Rom. Work Rom	Time Minutes	Prob #1		Prob Prob #3 #4	Applied Time (Minutes)	Labor /Hour	Cost
A	В	C	Б	E F	G B * (C Thru F)	Н	l H * (G/60)
UNE-P ISDN BRI EXISTING SERVICE FIRST							
*ADD*							
INTERCONNECT SERVICE CENTER							
.5 probability is percent of time this activity will occur.		4.000					
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.00
CPPD look-up billing USOC's for co-provider Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000 1.000			2.00 2.00	\$40.03 \$40.03	\$1.33 \$1.33
Verify Qwest end user Customer Service Record if order issuance applicable to this product	2	1.000			2.00	\$40.03	\$1.33 \$1.33
Determine if the end user has Qwest directory advertising	1	1,000			1.00	\$40.03	\$0.67
Determine if the end user has Owest retail contract	i	1,000			1.00	\$40.03	\$0.67
Determine critical dates	1	1.000			1.00	\$40.03	\$0.67
If directory advertising or retail contract or both, issue order to remove information from account	1	0.500			0.50	\$40.03	\$0.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER					28.50		\$19.01
-SERVICE DESIGN CENTER - IMPLEMENTOR							
Access Work Authorization	2	1.000			2.00	\$44.31	\$1.48
Closeout activities	3	1.000			3.00	\$44.31	\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR					5.00		\$3.69
Total For Service:					33.50		\$22.71

Study Name: NONRECURRING ELEMENTS Study Year: 2002 Analyst: Deffley/Eoriatti Product Group: Interconnection

State: South Dakota

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Work Item A	Time Minutes B	Prob #f	<b>Prob</b> #2 D	Prob #3 E	#4 F	Applied Time (Minutes) G	Labor Atour H	Cost
						3 * (C Thru F)		H * (G/60)

### UNE-P ISDN BRI EXISTING SERVICE FIRST (con't,

22322   Priest Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost   Cost	00003 50-24 65-24			\$22.71
Cost				322.71
Calculation   Faction   Faction   Faction   Continuent		Cost	Copt	
B				Cnet
22327   Marketing & Business Fees   D2238*E22322   0.019957   \$0.45				- <del></del>
22328 Product Management Expense   D22329*E22322   0.019857   \$0.45			_	
22339 Sales Expense   D2239*E22322   0.011877   \$0.27     22330 Product Advertising Expense   D22330*E22322   0.000000   \$0.00     22331 Business Fees (Other Operating Taxes)   D22331*Sum(E22322:E22330)   0.001483   \$0.03     22332   Total Markating & Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees   Business Fees		D22328*E22322	0.019957	\$0.45
22339   Product Advertising Expense   D22331*Sum(E22322-E22330)   0.000000   \$0.00				
22331   Business Fees (Other Operating Taxes)   D22331*Sum(E22322:E22332)   0.001483   \$0.03     22332   Total Marketing & Business Fees   Sum(E22322:E22331)   \$0.76     22333   Sub-Total Direct Cost & Marketing   E2322+E22332   \$23.46     22334   Sub-Total Direct Cost & Marketing   E2332*E22334   0.034832   \$0.82     22336   Other Direct Expenses   D22337*E22334   0.034832   \$0.82     22338   Network Support Assets   D22338*E22334   0.088742   \$0.03239     22340   General Support Assets   D22339*E22334   0.088742   \$0.03239     22340   General Purpose Computers   D22340*E22334   0.003786   \$0.09     22342   Accounting & Finance Expense   D22341*E22334   0.003786   \$0.09     22343   Human Resources Expense   D22342*E22334   0.003786   \$0.19     22344   Information Management Expense   D22343*E22334   0.070887   \$1.68     22345   Interngibles   D22344*E22334   0.070887   \$1.68     22346   Total Other Direct Expenses   D22345*E22334   0.00000   \$0.00     22347     D22345*E22334   0.000000   \$0.00     22348   Tetal C   Total Other Direct Expenses   D22345*E22334   0.000000   \$0.00     22349   Tetal C   E22337*E22345				
22332   Total Marketing & Business Fees   Sum(E22322:E22331)   \$0.76				
22334   Sub-Total Direct Cost & Marketing   E22322+E22332   \$23.46			0.007.00	
22334 Sub-Total Direct Cost & Marketing   E22322+E22332   \$23.46				
22335       22336 Other Direct Expenses       22337 Network Operations       D22337*E22334       0.034832       \$0.82         22338 Network Support Assets       D22338*E22334       0.014703       \$0.35         22339 General Support Assets       D22339*E22334       0.088742       \$2.08         22340 General Purpose Computers       D22340*E22334       0.003786       \$0.09         22341 Uncollectible       D22341*E22334       0.003786       \$0.09         22342 Accounting & Finance Expense       D22342*E22334       0.007346       \$0.19         22343 Human Resources Expense       D22342*E22334       0.007346       \$0.19         22344 Information Management Expense       D22345*E22334       0.007087       \$1.66         22345 Intangibles       D22345*E22334       0.00000       \$0.00         22346 TELRIC       E22337*E22345       \$2.00000       \$0.00         22349 TELRIC       E22337*E22346       \$2.9.65         22349 Telling Expense       D2235*E22348       0.001267       \$0.34         22350 External Relations Expense       D2235*E22348       0.000525       \$0.02         22352 Planning Expense       D2235*E22348       0.004717       \$0.14         22353 External Relations Expense       D2235*E22348       0.004717       \$0.14<		E22322+E22332		\$23.46
22336   Other Direct Expenses   D22337*E22334   D.034832   S0.82   S2338   Network Support Assets   D22338*E22334   D.014703   S0.35   S2339   General Support Assets   D22339*E22334   D.08742   S2.08   S2340   General Purpose Computers   D22340*E22334   D.08742   S2.08   S2341   Colollectible   D22340*E22334   D.03786   S0.09   S2341*E22334   D.00786   S0.09   S2342   Accounting & Finance Expense   D22342*E22334   D.00786   S0.17   S2343   Human Resources Expense   D22343*E22334   D.007346   S0.17   S2343   Human Resources Expense   D22344*E22334   D.070887   S1.68   S2344   Internation Management Expense   D22344*E22334   D.070887   S1.68   S2345   Intengibles   D22345*E22334   D.000000   S0.00   S2346   Total Other Direct Expenses   Sum(E22337*E22345   S6.38   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349   S2349				<del>- 420.</del> 70,
22337   Network Operations   D22337*E22334   0.034832   \$0.82   22338   Network Support Assets   D22338*E22334   0.114703   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35   \$0.35	<del></del>			
22338 Network Support Assets   D2238*E22334   0.014703   \$0.35		D22337*E22334	0.034832	\$0.82
22339 General Support Assets		D22338*E22334	0.014703	
22340 General Purpose Computers		D22339*E22334		
22341   Uncollectible   D22341*E22334   0.003786   \$0.09     22342   Accounting & Finance Expense   D22342*E22334   0.007346   \$0.17     22343   Human Resources Expense   D22344*E22334   0.008294   \$0.19     22344   Information Management Expense   D22345*E22334   0.008298   \$1.66     22345   Intangibles   D22345*E22334   0.000000   \$0.00     22346   Total Other Direct Expenses   D22345*E22334   0.000000   \$0.00     22347   E22348   TELRIC   E22337*E22345   \$8.38     22349   E22351   Executive Expense   E22337*E22348   0.011267   \$0.34     22351   Executive Expense   D22351*E22348   0.000525   \$0.02     22352   Planning Expense   D22352*E22348   0.000525   \$0.02     22353   External Relations Expense   D22353*E22348   0.00737846   \$1.13     22354   Legal Expense   D22353*E22348   0.007471   \$0.14     22355   Other Procurement Expense   D22354*E22348   0.004717   \$0.14     22355   Other Procurement Expense   D22355*E22348   0.007471   \$0.14     22357   Other General and Admin Expense   D22355*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22359   Other General and Admin Expense   D22357*E22357   \$0.0000000000000000000000000000000000		D22340*E22334	0.043342	\$1.02
22342 Accounting & Finance Expense   D22342*E22334   0.007346   \$0.17		D22341*E22334		
22343 Human Resources Expense         D22343*E22334         0.008294         \$0.19           22344 Information Management Expense         D22344*E22334         0.070887         \$1.66           22345 Intangibles         D22345*E22334         0.000000         \$0.00           22346 Total Other Direct Expenses         Sum(E22337:E22345)         \$6.38           22347         E22348 TELRIC         E22337+E22346         \$29.85           22349         E2350 Common         \$29.85           22351 Executive Expense         D22351*E22348         0.011267         \$0.34           22352 Planning Expense         D22352*E22348         0.000525         \$0.02           22353 External Relations Expense         D22353*E22348         0.037846         \$1.13           22354 Legal Expense         D22354*E22348         0.004717         \$0.14           22355 Other Procurement Expense         D22355*E22348         0.001860         \$0.06           22356 Research & Development Expense         D22356*E22348         0.001860         \$0.06           22357 Other General and Admin Expense         D22357*E22348         0.015064         \$0.45           22358 Common Costs         Sum(E2351:E22357)         \$2.13	22342 Accounting & Finance Expense	D22342*E22334	0.007346	
22344 Information Management Expense   D22344*E22334   0.000000   \$0.00		D22343*E22334	0.008294	\$0.19
22345   Intangibles   D22345*E22344   0.000000   \$0.00     22346   Total Other Direct Expenses   Sum(E22337:E22345)   \$6.38     22347       22348   TELRIC   E22337+E22346   \$29.85     22349     22350   Common     22351   Executive Expense   D22351*E22348   0.011267   \$0.34     22352   Planning Expense   D22352*E22348   0.000525   \$0.02     22352   Planning Expense   D22353*E22348   0.0037846   \$1.13     22354   Legal Expense   D22354*E22348   0.004717   \$0.14     22355   Other Procurement Expense   D22354*E22348   0.001860   \$0.06     22356   Research & Development Expense   D22355*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357   Common   Costs   Common   Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Costs   Common Cos		D22344*E22334	0.070887	\$1.66
22346   Total Other Direct Expenses   Sum(E22337:E22345]   \$6.38     22347                             22348   TELRIC                       22350   Common                     22351                             22352   Planning Expense   D22351*E22348   0.001267   \$0.34     22352   Planning Expense   D22352*E22348   0.000525   \$0.02     22353   External Relations Expense   D22353*E22348   0.0037846   \$1.13     22354   Legal Expense   D22354*E22348   0.004717   \$0.14     22355   Other Procurement Expense   D22355*E22348   0.001860   \$0.06     22356   Research & Development Expense   D22356*E22348   0.000006   \$0.00     22357   Other General and Admin Expense   D22357*E22348   0.000006   \$0.00     22357		D22345°E22334	0.000000	\$0.00
22347  22348 TELRIC E2337+E22346 \$29.85  22349  22350 Common  22351 Executive Expense 0 022351*E22348 0.011267 \$0.34  22352 Planning Expense 0 022352*E22348 0.000525 \$0.02  22353 External Relations Expense 0 022353*E22348 0.037846 \$1.13  22354 Legal Expense 0 022354*E22348 0.004717 \$0.14  22355 Other Procurement Expense 0 022355*E22348 0.001860 \$0.06  22356 Research & Development Expense 0 022356*E22348 0.001860 \$0.06  22357 Other General and Admin Expense 0 022357*E22348 0.000006 \$0.00  22358 Common Costs 0.015064 \$0.45  22358 Common Costs 0.015064 \$0.45  22359		Sum(E22337:E22345)		\$6.38
22349         22350 Common         22351 Executive Expense       D22351*E22348       0.011267       \$0.34         22352 Planning Expense       D22352*E22348       0.000525       \$0.02         22353 External Relations Expense       D22353*E22348       0.037846       \$1.13         22354 Legal Expense       D22354*E22348       0.004717       \$0.14         22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E2351:E22357)       \$2.13			<del></del>	
22350 Common       D22351*E22348       0.011267       \$0.34         22351 Executive Expense       D22352*E22348       0.000525       \$0.02         22352 Planning Expense       D22353*E22348       0.0037846       \$1.13         22354 Legal Expense       D22354*E22348       0.004717       \$0.14         22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E2351:E22357)       \$2.13	22348 TELRIC	E22337+E22346		\$29.85
22351 Executive Expense       D22351*E22348       0.011267       \$0.34         22352 Planning Expense       D22352*E22348       0.000525       \$0.02         22353 External Relations Expense       D22353*E22348       0.037846       \$1.13         22354 Legal Expense       D22354*E22348       0.004717       \$0.14         22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E22351:E22357)       \$2.13	22349			
22352 Planning Expense       D22352*E22348       0.000525       \$0.02         22353 External Relations Expense       D22353*E22348       0.037846       \$1.13         22354 Legal Expense       D22354*E22348       0.004717       \$0.14         22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E22351:E22357)       \$2.13	22350 Common			
22353 External Relations Expense       D22353*E22348       0.037846       \$1.13         22354 Legal Expense       D22354*E22348       0.004717       \$0.14         22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E2351:E22357)       \$2.13	22351 Executive Expense	D22351*E22348	0.011267	\$0.34
22354 Legal Expense     D22354*E22348     0.004717     \$0.14       22355 Other Procurement Expense     D22355*E22348     0.001860     \$0.06       22356 Research & Development Expense     D22356*E22348     0.000006     \$0.00       22357 Other General and Admin Expense     D22357*E22348     0.015064     \$0.45       22358 Common Costs     Sum(E22351:E22357)     \$2.13	22352 Planning Expense	D22352*E22348	0.000525	\$0.02
22355 Other Procurement Expense       D22355*E22348       0.001860       \$0.06         22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 Common Costs       Sum(E22351:E22357)       \$2.13         22359	22353 External Relations Expense	D22353*E22348	0.037846	\$1.13
22356 Research & Development Expense       D22356*E22348       0.000006       \$0.00         22357 Other General and Admin Expense       D22357*E22348       0.015064       \$0.45         22358 [Common Costs       Sum(E22351:E22357)       \$2.13         22359	22354 Legal Expense	D22354*E22348	0.004717	\$0.14
22357 Other General and Admin Expense D22357*E22348 0.015064 \$0.45 22358 Common Costs Sum(E22351:E22357) \$2.13 22359	22355 Other Procurement Expense	D22355*E22348	0.001860	\$0.06
22358 Common Costs Sum(E22351:E22357) \$2.13 22359	22356 Research & Development Expense	D22356*E22348	0.000006	\$0.00
22359	22357 Other General and Admin Expense	D22357*E22348	0.015064	\$0.45
	22358 Common Costs	Sum(E22351:E22357)		\$2.13
22360 TELRIC + Common Costs E22348+E22358 \$31.97	22359			
	22360 TELRIC + Common Costs	E22348+E22358		\$31.97

Study Name: NONRECURRING ELEMENTS

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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Work Ban	Time Minutes	Prob Pro			Labor Mois Cost
^	J	•	-	B * (C Thru F)	H * (G/60)

#### UNE-P ISDN BRI EXISTING SERVICE EACH ADDL

\*ADD\*

-INTERCONNECT SERVICE CENTER

Input order into service order processor. Type and format order for billing and provisioning

1.000

00 \$40.03

\$2.00

Subtotal - INTERCONNECT SERVICE CENTER	3.00	\$2.00
Total For Service:	3.00	\$2.00

Study Name: NONRECURRING ELEMENTS Study Year: 2002

Study Year: 2002 Analyst: Deffley/Eoriatti

Product Group: Interconnection

State: South Dakota

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<b>Work Item</b> A	77me Minutes B	Prob Prob #1 #2 C D		our Coat H
			B * (C Thru F)	H * (G/60)

### UNE-P ISDN BRI EXISTING SERVICE EACH ADDL (con't,

22412 Direct Cost			\$2.00
22413			
22414	Cost	Cost	
22415	Calculation	Factor	Cost
22416	B C	D	E
22417 Marketing & Business Fees			
22418 Product Management Expense	D22418*E22412	0.019957	\$0.04
22419 Sales Expense	D22419*E22412	0.011877	\$0.02
22420 Product Advertising Expense	D22420*E22412	0.000000	\$0.00
22421 Business Fees (Other Operating Taxes)	D22421*Sum(E22412;E22420)	0.001483	\$0.00
22422 Total Merketing & Business Fees	Sum(E22412:E22421)	0.001403	\$0.07
22423	COM(CELTIE.CELTE)		\$0.07
22424 Sub-Total Direct Cost & Marketing	E22412+E22422		\$2.07
22425	LALTIETLETER		\$2.07
22426 Other Direct Expenses			
22427 Network Operations	D22427*E22424	0.034832	\$0.07
22428 Network Support Assets	D22428*E22424	0.014703	\$0.07
22429 General Support Assets	D22429*E22424	0.088742	\$0.03
22430 General Purpose Computers	D22429*E22424	0.066742	\$0.18 \$0.09
22431 Uncollectible	D22430*E22424		
		0.003786	\$0.01
22432 Accounting & Finance Expense	D22432*E22424	0.007346	\$0.02
22433 Human Resources Expense	D22433*E22424	0.008294	\$0.02
22434 Information Management Expense	D22434*E22424	0.070887	\$0.15
22435 Intangibles	D22435*E22424	0.000000	\$0.00
22436 Total Other Direct Expenses	Sum(E22427: E22435)		\$0.56
22437	F00.40** F00.400		
22438 TELRIC	E22427+E22436		\$2.63
22439			
22440 Common			
22441 Executive Expense	D22441*E22438	0.011267	\$0.03
22442 Planning Expense	D22442*E22438	0.000525	\$0.00
22443 External Relations Expense	D22443*E22438	0.037846	\$0.10
22444 Legal Expense	D22444*E22438	0.004717	\$0.01
22445 Other Procurement Expense	D22445*E22438	0.001860	\$0.00
22446 Research & Development Expense	D22446*E22438	0.000006	\$0.00
22447 Other General and Admin Expense	D22447*E22438	0.015064	\$0.04
22448 Common Costs	Sum(E22441 : E22447)		\$0.19
22449			
22450 TELRIC + Common Costs	E22438+E22448		\$2.82

Study Name: NONRECURRING ELEMENTS

Study Year: 2002

Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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Date: 06/03/02

Work hear	Time Minutes	Prob #1	Prob #2		rob Applied Time 24 (Minutes)	Labor	Cost
A	В	С	D	Ē	F G	Н	ı
					B * (C Thru F)		H * (G/60)
UNE-P ISDN PRI, DSS Per DS1 Facility EXISTING SERVICE							
*ADD*							
-INTERCONNECT SERVICE CENTER							
.5 probability is percent of time this activity will occur.							
Review LSR for completeness and accuracy, contractual entries	3	1.000			3.00	\$40.03	\$2.00
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000			2.00	\$40.03	\$1.33
Verify Qwest end user Customer Service Record if order issuance applicable to this product	2	1.000			2.00	\$40.03	\$1.33
Determine if the end user has Qwest retail contract	1	1.000			1.00	\$40.03	\$0.67
Determine critical dates	1	1.000			1.00	\$40.03	\$0.67
If directory advertising or retail contract or both, issue order to remove information from account	1	0.500			0.50	\$40.03	\$0.33
Type, review and submit to customer the Firm Order Confirmation (FOC)	3	1.000			3.00	\$40.03	\$2.00
Input order into service order processor. Type and format order for billing and provisioning	10	1.000			10.00	\$40.03	\$6.67
Ensure order is successfully distributed to the systems and is ready for provisioning	3	1.000			3.00	\$40.03	\$2.00
Subtotal - INTERCONNECT SERVICE CENTER				·	25.50		<b>\$</b> 17 <u>.</u> 01
-SERVICE DESIGN CENTER - IMPLEMENTOR							
Access Work Authorization	2	1.000			2.00	\$44.31	\$1.48
Closeout activities	3	1.000			3.00	\$44.31	\$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR					5.00		\$3.69
Total For Service:					30.50		\$20.71