MARY S. HOBSON
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June 28, 2002

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

JUL 0 2 2002
SOUTH DAKOTA PU
UTILITIES COMMIS

Re: Docket No. TC01-98
Our File #29164-73

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.

Very truly yours,

Randall [illegible] for Mary S. Hobson

Mary S. Hobson

Enclosures

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

CERTIFICATE OF SERVICE

I hereby certify that on this 28th 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

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AT&T Communications of the Midwest
1875 Lawrence Street
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By: Randall Kim
Randall Kim
Qwest Corporation

Qwest

QWEST

SOUTH DAKOTA

CLASS - CALL TRACE

TELRIC

Study ID: 6415

RECURRING COST STUDY

MAY 2002

MSEA

Market Services & Economic Analysis

Market Services And Economic Analysis Organization

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Section 1

Study Output

Qwest

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 *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. 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 Name	*ICNAM - Interconnection CLEC*	
Study Requester	*D. Gollehon*	
Type of Study	*TELRIC*	
Study ID	*6433*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 20, 2002*	
Cost Analyst	*Deborah Taylor*	
Study Review	**Reviewer**	**Date**
		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**
	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
	Cost Of Money	10.14%
Inflation		
Major Cost Drivers		

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

Row	5/20/02 [illegible]6 PM South Dakota	Source or Calculation	Factor Value	ICNAM - Interconnection CLEC - per Query
			A	B
1	Investment	sl r"Total" cD		0.001600
2				
3	***Investment Based Costs***	***sl r"Total" 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 & Collection***			0.000587
9				
10	***Marketing & Business Fees***			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.000012
12	Sales Expense	cA*(r8-r6)	0.011877	0.000007
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.000000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6	0.001483	0.000001
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.000020
16				
17	***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
28	Intangibles	cA*(r17-r6)	0.000000	0.000000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.000165
30				
31	***TELRIC***	***r17 + r29***		0.000771
32				
33	***Common***			
34	Executive Expense	cA*(r31-r6)	0.011267	0.000009
35	Planning Expense	cA*(r31-r6)	0.000525	0.000000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.000029
37	Legal Expense	cA*(r31-r6)	0.004717	0.000004
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.000001
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.000000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.000012
41	***Common Costs***	***Sum r34:r40***		0.000055
42				
43	***TELRIC + Common Costs***	***r31 + r41***		0.000826

5/20/02
South Dakota

ICNAM - Interconnection CLEC

ICNAM - Interconnection CLEC - per Query

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2441	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
2212	377C	Digital Switch	0.001266	0.000138	0.000058	0.000022	0.000012	0.000013	0.000000	0.000242
2423.12,.22	845C	Buried Cable - NonMetallic	0.000013	0.000001	0.000001	0.000000	0.000000	0.000000	0.000000	0.000002
2111	20C	Land	0.000005	0.000000	0.000000	0.000000	0.000000	0.000000		0.000001
2121	110C	Building	0.000262	0.000007	0.000020	0.000007	0.000002	0.000003		0.000040
		Total	**0.001600**	**0.000152**	**0.000081**	**0.000031**	**0.000015**	**0.000017**	**0.000000**	**0.000296**

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
[illegible] 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

LSTP Hardware			
Investment per Octet or MS	377C	$	2.315936
MS per Call Attempt			0.155
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				
Investment per Octet or MS		377C	$	0.392197
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
Queries per Call Attempt				0.907
MRS SCP Software				
Investment per Query (and Response)		2124	$	-
Queries per Call Attempt				0.907
RSTP Hardware				
Investment per MS		377C	$	3.357931
MS per Call Attempt				0.077
RSTP Software				
Investment per MS		377C	$	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				
Investment per Octet or MS		377C	$	0.236331
Octets or MS per Call Attempt				0.906
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)

	Investment per Octet or MS or Query	Octets or MS per Query	Investment per Query	Annualization Factor	Annualized Investment per Query
	A	B	C=AxB	D	E=C/D
	from: "Inputs" 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	$ 0.000088
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	$ 0.000005
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. 85C	$ 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 Software					
a. 377C	$ 0.231089	0.907	$ 0.209525	3296	$ 0.000064

ICNAM - Interconnection CLEC

SOUTH DAKOTA

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

	Investment per Octet or MS or Query	Octets or MS per Query	Investment per Query	Annualization Factor	Annualized Investment per Query
	A	B	C=AxB	D	E=C/D
	from: "Inputs" 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					
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	$ 0.000003
h. 377C	$ 1.549948	0.906	$ 1.404590	3296	$ 0.000426
13. RSTP - LIDB SCP Data Link Software					
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+7g+12g*				**$ 0.000007**
b. 57C	*Ln 3b+7b+12b*				**$ 0.000018**
c. 85C	*Ln 3f+7f+12f*				**$ 0.000004**
d. 357C	*Ln 3c+7c+12c*				**$ 0.000016**
e. 357CS	*Ln 3d+7d+12d*				**$ 0.000007**
f. 377C	*Ln 1a+2a+3a+4a+5a+6a+7a+7h+8a +10a+11a+12a+12h+13a*				**$ 0.001266**
g. 845C	*Ln 3e+7e+12e*				**$ 0.000013**
h. 2124	*Ln 9a+14a*				**$ -**
					to: "Summary" Tab

ICNAM - Interconnection CLEC

SOUTH DAKOTA

Summary of UCNAM per Query Investments and Expenses

1. **357C 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. **377C Investment**			
a. LIDB			
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
b. ICNAM and CNAM including UCNAM			
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
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
d. X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
e. 56kbps Data Links from the LIDB Platform to the RSTP			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	0.00000002
f. Message Relay Service 56Kbps Links to the RSTP			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
g. Total Expense	*Lns 3a:3f*	**$**	**0.00029091**
		to: Summary Tab	

ICNAM - Interconnection CLEC

SOUTH DAKOTA

Summary of per Query Investments and Expenses

	Network Investments and Expenses	UCNAM Operational Support	Total per Query
	A	B	C=A+B
	from: "Network Summary" Tab	*from: "UCNAM" Tab*	*to: "WINPC3 Investments" Tab*
4C	$ 0.00000692		$ 0.00000692
57C	$ 0.00001822		$ 0.00001822
85C	$ 0.00000412		$ 0.00000412
357C	$ 0.00001568	$ 0.00000213	$ 0.00001781
357CS	$ 0.00000744		$ 0.00000744
377C	$ 0.00126613	$ -	$ 0.00126613
845C	$ 0.00001320		$ 0.00001320
2124	$ -		$ -
Expense		$ 0.00029091	$ 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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
CLASS - CALL TRACE		$1.6327	$0.6921	$1.0848	$0.0537	$0.2950	$1.3799	$0.0984	$1.4782

5/7/02 9:15 AM

Row	South Dakota	Source or Calculation	Factor Value	CLASS - CALL TRACE
			A	B
1	**Investment**	sl r"Total" cD		1.6327
2				
3	***Investment Based Costs***	***sl r"Total" cK***		0.3577
4				
5	Direct Expenses			0.6921
6	Miscellaneous Expenses			0.0000
7	Billing & Collection - PL			0.0000
8	***Total Investment Based + Billing & Collection***			1.0498
9				
10	***Marketing & Business Fees***			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0210
12	Sales Expense	cA*(r8-r6)	0.011877	0.0125
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0016
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0350
16				
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		1.0848
18				
19	***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	cA*(r17-r6)	0.003786	0.0041
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0080
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0090
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0769
28	Intangibles	cA*(r17-r6)	0.000000	0.0000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.2950
30				
31	***TELRIC***	***r17 + r29***		1.3799
32				
33	***Common***			
34	Executive Expense	cA*(r31-r6)	0.011267	0.0155
35	Planning Expense	cA*(r31-r6)	0.000525	0.0007
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0522
37	Legal Expense	cA*(r31-r6)	0.004717	0.0065
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0026
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0208
41	***Common Costs***	***Sum r34:r40***		0.0984
42				
43	***TELRIC + Common Costs***	***r31 + r41***		1.4782

5/7/02
South Dakota

CLASS - CALL TRACE

CLASS - CALL TRACE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.5101	0.0556	0.0232	0.0088	0.0049	0.0051	0.0000	0.0975
2124	2124	General Purpose Computers	1.0187	0.1679	0.0485	0.0183	0.0097	0.0000	0.0000	0.2445
2111	20C	Land	0.0019	0.0000	0.0002	0.0001	0.0000	0.0000		0.0003
2121	110C	Building	0.1019	0.0026	0.0076	0.0029	0.0010	0.0013		0.0154
		Total	**1.6327**	**0.2261**	**0.0795**	**0.0301**	**0.0156**	**0.0064**	**0.0000**	**0.3577**

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 Investment	*377C*	
Call Trace - Recorded Announcement - Shared	*377C*	
Call Trace - Recorded Announcement - Svc Specific	*377C*	

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

CLASS - CALL TRACE

SOUTH DAKOTA

Switching Cost Model (SCM) Output

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

CLASS - CALL 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)*

CLASS - CALL TRACE

SOUTH DAKOTA

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

	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	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**
SW2		
7. Investment per Shared Service RA (NTS)	SCM	$1,148.0780
8. CCS/CLASS RA Multiplier(# of RA in a CO)	SCM	1
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 Total Switch Invest)*

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

CLASS - CALL TRACE

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**
SW2		
7. Investment per Shared Service RA (NTS)	SCM	$1,148.0780
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	

CLASS - CALL TRACE

SOUTH DAKOTA

Total Switching Investment Per COT Attempt

		Source	377C	
1.	Setup Investment per Attempt	*Setup Investment Tab - Ln5*	$0.0042	
2.	Recorded Announcement (RA) Shared - Custom Calling Services(CCS)/CLASS	*RA-Shared CCS CLASS Tab - Ln27*	$0.0003	
3.	Recorded Announcement (RA) - Customer Originated Trace (COT)	*RA-COT Tab - Ln*	$0.5056	
4.	**Total Switching Investment Per COT Attempt**	*Ln1 + Ln2 + Ln3*	**$0.5101**	*(to WINPC3 Investment)*

CLASS - CALL TRACE

SOUTH DAKOTA

Risk Management/Disk Drive Investment Per Attempt

	Source	2124	
1. Risk Mgmt Mainframe - Four Disk Drive Investment	Inputs - Sec B	$1,120,567.00	
2. Forecasted Demand: Annual Attempts/Activations	Inputs - Sec D	1,100,000	
3. **Disk Drive Investment Per Attempt**	Ln1 / Ln2	**$ 1.0187**	*(to WINPC3 Investment)*

CLASS - CALL TRACE

SOUTH DAKOTA

Security Assistant Expense Per Attempt

	Source	Expense	
1. Hours for Security Asst. to Process/Mail Trace Information per Call	Prod Mgmt	0.1083	
2. 2000 Security Assistant Labor Rate	JFC 0147	37.78	
3. Security Assistant Expense to Process/Mail Trace Information per Call	Ln1 x Ln2	4.092833333	
4. Ratio of Calls: Attempts	Prod Mgmt	16.91%	
5. **Security Assistant Expense per COT Attempt**	Ln3 x Ln4	$ **0.6921**	*(to WINPC3 Investment)*

	A	B	C	D	E	F
1	Investment					
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.	

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

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
2	02SD01E												
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

	N	O	P	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

	AB
1	
2	
3	GENL
4	GENL
5	GENL
6	GENL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	***-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02***												
3	***-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).***												
4	***-Factors loaded from Factors Model (Expense Module), Version 02V1.***												
5	***-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost***												
6	***Of Money. No 1-10 year factors developed.***												
7	***-MAINTENANCE factors released 02/02.***												
8	***-RTU factors released 02/01.***												
9	***-AD VALOREM Tax released 02/02.***												
10	***-DIRECTLY ASSIGNED expense factors released 04/02.***												
11	***-BUSINESS FEES released 04/02.***												
12	***-COMMON Expense released 04/02.***												
13	***-TOTAL INSTALLED FACTORS (TIF) released 01/01.***												
14	***-POWER investment factors released 01/01.***												
15	***-SALES TAX released 01/01.***												
16	***-TELCO Engineering factors released 01/01.***												
17	***-INTEREST DURING CONSTRUCTION released 01/01.***												
18	***-LAND AND BUILDING factors released 02/02.***												
19	***-DIRECTLY ATTRIBUTABLE expense factors released 04/02.***												
20	***-SALES EXPENSE factor released 04/02.***												
21	***-PRODUCT MANAGEMENT factor released 04/02.***												
22	***-BILLING & COLLECTION factor released 01/01.***												
23	***-PROVISIONING factors released 01/01.***												
24	***-TELEPHONE PLANT INDEX released 01/01.***												
25	***-STRUCTURE RATIO released 01/01.***												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
37															
38	State:	South Dakota													
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
45															

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
37													
38													
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													

Section 3

Source Data

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
Customer Originated Trace	Average Number of Customer Originated Trace Lines in Office	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

MSEA

Market Services And Economic Analysis Organization

Table of Contents

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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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

Call Waiting - 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.

Cancel Call Waiting - 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.

B. DESCRIPTION OF SERVICE

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 systemsand 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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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.

B. DESCRIPTION OF SERVICE

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*	
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)	*02V1*
	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*
	Cost Of Money	*10.14%*
Inflation		
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

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

5/7/02 [illegible].41 AM

Row	South Dakota	Source or Calculation	Factor Value	Cap Lease Port - Monthly
			A	B
1	**Investment**	sl r"Total" cD		0.0000
2				
3	***Investment Based Costs***	***sl r"Total" cK***		0.0000
4				
5	Direct Expenses			0.3713
6	Miscellaneous Expenses			0.0000
7	Billing & Collection - PL			0.0000
8	***Total Investment Based + Billing & Collection***			0.3713
9				
10	***Marketing & Business Fees***			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0074
12	Sales Expense	cA*(r8-r6)	0.011877	0.0044
13	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				
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.3837
18				
19	***Other Direct Expenses***			
20	Network Operations	cA*(r17-r6)	0.034832	0.0134
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0056
22	General Support Assets	cA*(r17-r6)	0.088742	0.0340
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0166
24	Uncollectible	cA*(r17-r6)	0.003786	0.0015
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0028
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0032
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0272
28	Intangibles	cA*(r17-r6)	0.000000	0.0000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.1043
30				
31	***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
42				
43	***TELRIC + Common Costs***	***r31 + r41***		0.5228

5/7/02
South Dakota

Cap Lease Port Charges

Cap Lease Port - Monthly

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Section 2

Cost Calculations

Service:	**CAPITAL LEASE RTU - PER LINE PORT**
State Name:	SOUTH DAKOTA
2-Character Jurisdiction Abbreviation:	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	$68,642,647
Lease interest rate	8.00%
Payment period (months)	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

1. 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)*

	A	B	C	D	E
1	Investment				
2	STUDY	Cap Lease Port Charges			
3	DATE	5/7/02			
4	GROUP	Cap Lease Port - Monthly			
5	COMMON	SD	0.3712975629	0.	0.

	A	B
1	Parameter	
2	SD	
3	7	
4	4	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	6416	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
2	02SD01E												
3	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	RTU-SWIT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1														
2														
3	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR

	AB	AC
1		
2		
3	RDEXP	GENL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 02V1.*												
5	*-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 02/02.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 02/02.*												
10	*-DIRECTLY ASSIGNED expense factors released 04/02.*												
11	*-BUSINESS FEES released 04/02.*												
12	*-COMMON Expense released 04/02.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 01/01.*												
14	*-POWER investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 02/02.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 04/02.*												
20	*-SALES EXPENSE factor released 04/02.*												
21	*-PRODUCT MANAGEMENT factor released 04/02.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
37															
38	State:	South Dakota													
39															
40	**ACCOUNTS**	**DEPR-AVG**	**COM-AVG**	**IT-AVG**	**MTNC-TOT**	**RTU-SWIT**	**ADVAL**	**BLDG**	**LAND**	**PRODMAN**	**SALESEXP**	**ADVER**	**BF**	**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															
43															
44															

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
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															
43															
44															

Section 3

Source Data

QW

Capital Lease RTU Cost per Working Line

Year	**Total 377 Capital Lease (from LAMS)**	**LNP (from LAMS)**	**Total 377 less LNP**	**ISDN RTUs**	**Total 377 less LNP and 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 Capital Lease RTU Purchased per Year			**$ 78,672,017**	$ 10,029,370	**$ 68,642,647**
Interest Expense Paid for 36 Month Period					
Interest Rate *				8.00%	
Monthly Payment including Interest for 36 Months				$2,151,011	
* Payment Period of 36 Months				36	
Total Capital Lease Expense including Interest for 3 Years				$ 77,436,398	
Divided by 3 Years per Lease				$ 3	
Total Annual Expense including Interest for Yr 1 Leases				$ 25,812,133	
Total Annual Expense including Interest for Yr 2 Leases				$ 25,812,133	
Total Annual Expense including Interest for Yr 3 Leases				$ 25,812,133	
Total Capital Lease Expense per Year including Interest					**$ 77,436,398**
Total Working Lines					**17,379,681**
Applications 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 & Economic Analysis

MSEA

Market Services And Economic Analysis Organization

Table of Contents

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*	
Study Requester	*Doug Gollehon*	
Type of Study	*TELRIC*	
Study ID	*6417*	
Cost Factor Group	*Interconnection*	
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)	*02V1*
	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*
	Cost Of Money	*10.14%*
Inflation		
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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

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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	B	C	D	E
1	**Investment**	sl r"Total" cD		1.1382	685.5323	500.7361	103.3556
2							
3	***Investment Based Costs***	***sl r"Total" cK***		0.0226	10.5337	7.6941	1.5881
4							
5	Direct Expenses			0.3524	0.0000	0.0000	0.0000
6	Miscellaneous Expenses			0.0000	0.0000	0.0000	0.0000
7	Billing & Collection - PL			0.0000	0.0000	0.0000	0.0000
8	***Total Investment Based + Billing & Collection***			0.3750	10.5337	7.6941	1.5881
9							
10	***Marketing & Business Fees***						
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0075	0.2102	0.1536	0.0317
12	Sales Expense	cA*(r8-r6)	0.011877	0.0045	0.1251	0.0914	0.0189
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000	0.0000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0006	0.0161	0.0118	0.0024
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0125	0.3515	0.2567	0.0530
16							
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.3875	10.8851	7.9509	1.6411
18							
19	***Other Direct Expenses***						
20	Network Operations	cA*(r17-r6)	0.034832	0.0135	0.3791	0.2769	0.0572
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0057	0.1600	0.1169	0.0241
22	General Support Assets	cA*(r17-r6)	0.088742	0.0344	0.9660	0.7056	0.1456
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0168	0.4718	0.3446	0.0711
24	Uncollectible	cA*(r17-r6)	0.003786	0.0015	0.0412	0.0301	0.0062
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0028	0.0800	0.0584	0.0121
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0032	0.0903	0.0659	0.0136
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0275	0.7716	0.5636	0.1163
28	Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000	0.0000	0.0000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.1054	2.9600	2.1621	0.4463
30							
31	***TELRIC***	***r17 + r29***		0.4929	13.8451	10.1129	2.0874
32							
33	***Common***						
34	Executive Expense	cA*(r31-r6)	0.011267	0.0056	0.1560	0.1139	0.0235
35	Planning Expense	cA*(r31-r6)	0.000525	0.0003	0.0073	0.0053	0.0011
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0187	0.5240	0.3827	0.0790
37	Legal Expense	cA*(r31-r6)	0.004717	0.0023	0.0653	0.0477	0.0098
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0009	0.0257	0.0188	0.0039
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0001	0.0001	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0074	0.2086	0.1523	0.0314
41	***Common Costs***	***Sum r34:r40***		0.0351	0.9870	0.7209	0.1488
42							
43	***TELRIC + Common Costs***	***r31 + r41***		0.5280	14.8321	10.8339	2.2362

5/7/02
South Dakota

SGAT FEATURES

Centrex Management System (CMS)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0223	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0004
2124	2124	General Purpose Computers	1.1113	0.0153	0.0044	0.0017	0.0009	0.0000	0.0000	0.0222
2111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
		Total	**1.1382**	**0.0155**	**0.0045**	**0.0017**	**0.0009**	**0.0000**	**0.0000**	**0.0226**

Conference Calling - Meet Me

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	569.5849	5.1695	2.1571	0.8157	0.4531	0.4755	0.0000	9.0709
2111	20C	Land	2.1257	0.0000	0.0171	0.0065	0.0017	0.0023		0.0275
2121	110C	Building	113.8217	0.2449	0.7101	0.2686	0.0905	0.1211		1.4353
		Total	**685.5323**	**5.4144**	**2.8843**	**1.0907**	**0.5454**	**0.5989**	**0.0000**	**10.5337**

Conference Calling - Preset

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	416.0442	3.7760	1.5756	0.5958	0.3310	0.3473	0.0000	6.6257
2111	20C	Land	1.5527	0.0000	0.0125	0.0047	0.0012	0.0017		0.0201
2121	110C	Building	83.1392	0.1789	0.5187	0.1962	0.0661	0.0885		1.0484
		Total	**500.7361**	**3.9549**	**2.1068**	**0.7967**	**0.3983**	**0.4374**	**0.0000**	**7.6941**

Station Dial Conferencing (6 Way)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	85.8746	0.7794	0.3252	0.1230	0.0683	0.0717	0.0000	1.3676
2111	20C	Land	0.3205	0.0000	0.0026	0.0010	0.0003	0.0003		0.0041
2121	110C	Building	17.1605	0.0369	0.1071	0.0405	0.0137	0.0183		0.2164
		Total	**103.3556**	**0.8163**	**0.4349**	**0.1644**	**0.0822**	**0.0903**	**0.0000**	**1.5881**

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

PREMIUM PORT INCREMENT

SOUTH DAKOTA

Switching Cost Model (SCM) Output

	Investment STUDY	SGAT Features	C		E	Total (C+E)		
3	EF&I	NM	406.7420044	0	162.8428955	569.5848999023	377C	CENTRON Meet-Me Conference Large
4	EF&I	NM	297.0281067	0	119.016098	416.0442047119	377C	CENTRON Preset Conference
5	EF&I	NM	72.58259835	0	13.29198244	85.8745807962	377C	CENTRON Station Dial Conferencing

PREMIUM PORT INCREMENT

SOUTH DAKOTA

	Source	*Source*	***377C Investment***	***2124 Investment***	***Expense***
	from: SCM Features Columns C+E	*from: Inputs*	***Total to: WINPC3 Investments Tab***	***Total to: WINPC3 Investments Tab***	***Total to: WINPC3 Investments Tab***
Centrex Management System (CMS)		*G121,122,123*	$ 0.0223	$ 1.1113	$ 0.3524
Conference Calling - Meet Me	*Ln32*		$ 569.5849		
Conference Calling - Preset	*Ln42*		$ 416.0442		
Station Dial Conferencing (6 Way)	*Ln45*		$ 85.8746		

	A	B	C	D	E	F
1	Investment					
2	STUDY	SGAT FEATURES				
3	DATE	5/7/02				
4	GROUP	Centrex Management System (CMS)				
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 - Meet Me				
9	LOADED	SD	569.5848999023	0.	0.	377C
10	GROUP	Conference Calling - Preset				
11	LOADED	SD	416.0442047119	0.	0.	377C
12	GROUP	Station Dial Conferencing (6 Way)				
13	LOADED	SD	85.8745807962	0.	0.	377C

	A	B
1	Parameter	
2	SD	
3	7	
4	4	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6417	

WINPC3 ACF Inputs

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
2	02SD01E												
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

	N	O	P	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

	AB
1	
2	
3	GENL
4	GENL
5	GENL
6	GENL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	***-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02***												
3	***-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).***												
4	***-Factors loaded from Factors Model (Expense Module), Version 02V1.***												
5	***-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost***												
6	***Of Money. No 1-10 year factors developed.***												
7	***-MAINTENANCE factors released 02/02.***												
8	***-RTU factors released 02/01.***												
9	***-AD VALOREM Tax released 02/02.***												
10	***-DIRECTLY ASSIGNED expense factors released 04/02.***												
11	***-BUSINESS FEES released 04/02.***												
12	***-COMMON Expense released 04/02.***												
13	***-TOTAL INSTALLED FACTORS (TIF) released 01/01.***												
14	***-POWER investment factors released 01/01.***												
15	***-SALES TAX released 01/01.***												
16	***-TELCO Engineering factors released 01/01.***												
17	***-INTEREST DURING CONSTRUCTION released 01/01.***												
18	***-LAND AND BUILDING factors released 02/02.***												
19	***-DIRECTLY ATTRIBUTABLE expense factors released 04/02.***												
20	***-SALES EXPENSE factor released 04/02.***												
21	***-PRODUCT MANAGEMENT factor released 04/02.***												
22	***-BILLING & COLLECTION factor released 01/01.***												
23	***-PROVISIONING factors released 01/01.***												
24	***-TELEPHONE PLANT INDEX released 01/01.***												
25	***-STRUCTURE RATIO released 01/01.***												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
37														
38	State:	South Dakota												
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	0.025821	0.074869	0.028313	0.012770	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703
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

	O	P	Q	R	S	T	U	V	W	X	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

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	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

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 & Economic Analysis
MSEA

Market Services And Economic Analysis Organization

Table of Contents

Section **Topic** **Page**

1. Study Output

2. Cost Calculations

3. Source Data

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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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

Call Waiting - 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.

Cancel Call Waiting - 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.

B. DESCRIPTION OF SERVICE (cont.)

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 systemsand 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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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.

B. DESCRIPTION OF SERVICE (cont.)

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*	
Study Requester	*Doug Gollehon*	
Type of Study	*TELRIC*	
Study ID	*6418*	
Cost Factor Group	*Interconnection*	
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)	*02V1*
	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*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

State: South Dakota

Source	Total 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"

State: South Dakota

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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	$0.0000	$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	$0.0000	$0.1685	$0.0083	$0.0458	$0.2144	$0.0153	$0.2296
CLASS - Last Call Return		$3.1802	$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	$0.0000	$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

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Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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		$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	$0.0000	$0.0004	$0.0000	$0.0001	$0.0005	$0.0000	$0.0006

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Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

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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 Callback
			A	B	C	D	E	F	G
1	**Investment**	sl r"Total" cD		0.0344	352.3789	0.2816	2.5429	148.0896	0.3808
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0005	5.4145	0.0043	0.0391	2.2755	0.0059
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***			0.0005	5.4145	0.0043	0.0391	2.2755	0.0059
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.1081	0.0001	0.0008	0.0454	0.0001
12	Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0643	0.0001	0.0005	0.0270	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	0.0083	0.0000	0.0001	0.0035	0.0000
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0000	0.1807	0.0001	0.0013	0.0759	0.0002
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0005	5.5952	0.0045	0.0404	2.3514	0.0060
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0000	0.1949	0.0002	0.0014	0.0819	0.0002
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0000	0.0823	0.0001	0.0006	0.0346	0.0001
22	General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.4965	0.0004	0.0036	0.2087	0.0005
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0000	0.2425	0.0002	0.0018	0.1019	0.0003
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0212	0.0000	0.0002	0.0089	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0000	0.0411	0.0000	0.0003	0.0173	0.0000
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0000	0.0464	0.0000	0.0003	0.0195	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0000	0.3966	0.0003	0.0029	0.1667	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***		0.0001	1.5215	0.0012	0.0110	0.6394	0.0016
30									
31	***TELRIC***	***r17 + r29***		0.0007	7.1167	0.0057	0.0514	2.9908	0.0077
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0802	0.0001	0.0006	0.0337	0.0001
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0037	0.0000	0.0000	0.0016	0.0000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.2693	0.0002	0.0019	0.1132	0.0003
37	Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0336	0.0000	0.0002	0.0141	0.0000
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0132	0.0000	0.0001	0.0056	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	0.1072	0.0001	0.0008	0.0451	0.0001
41	***Common Costs***	***Sum r34:r40***		0.0000	0.5073	0.0004	0.0037	0.2132	0.0005
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0007	7.6240	0.0061	0.0550	3.2040	0.0082

Total Pr t Costs

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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
			A	H	I	J	K	L	M
1	**Investment**	sl r"Total" cD		0.0000	101.3285	1.5496	0.0186	0.0043	0.0001
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0000	1.5570	0.0238	0.0003	0.0001	0.0000
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	1.5570	0.0238	0.0003	0.0001	0.0000
9									
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									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0000	2.1923	0.0335	0.0004	0.0001	0.0000

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Row	South Dakota	Source or Calculation	Factor Value	Call Exclusion - Manual	Call Forward Don't Answer - All Calls	Call Forwarding Incoming Only	Call Forwarding Intra Group Only	Call Forwarding Variable Remote	Call Forwarding: Busy Line (Expanded)
			A	N	O	P	Q	R	S
1	**Investment**	sl r"Total" cD		0.0001	2.7928	0.2881	0.2519	1.9060	0.8975
2									
3	***Investment Based Costs***	***sl 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									
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***								
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	cA*(r31-r6)	0.015064	0.0000	0.0008	0.0001	0.0001	0.0006	0.0003
41	***Common Costs***	***Sum r34:r40***		0.0000	0.0040	0.0004	0.0004	0.0027	0.0013
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0000	0.0604	0.0062	0.0055	0.0412	0.0194

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Row	South Dakota	Source or Calculation	Factor Value	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)
			A	T	U	V	W	X	Y
1	Investment	sl r"Total" cD		0.8975	3.6903	0.8975	3.6903	1.2779	3.6903
2									
3	***Investment Based Costs***	***sl 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***	***Sum r11:r14***		0.0005	0.0019	0.0005	0.0019	0.0007	0.0019
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0143	0.0586	0.0143	0.0586	0.0203	0.0586
18									
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									
31	***TELRIC***	***r17 + r29***		0.0181	0.0745	0.0181	0.0745	0.0258	0.0745
32									
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)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0007	0.0028	0.0007	0.0028	0.0010	0.0028
37	Legal Expense	cA*(r31-r6)	0.004717	0.0001	0.0004	0.0001	0.0004	0.0001	0.0004
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0001	0.0000	0.0001	0.0000	0.0001
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	0.0003	0.0011	0.0003	0.0011	0.0004	0.0011
41	***Common Costs***	***Sum r34:r40***		0.0013	0.0053	0.0013	0.0053	0.0018	0.0053
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0194	0.0798	0.0194	0.0798	0.0276	0.0798

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Row	South Dakota	Source or Calculation	Factor Value	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
			A	Z	AA	AB	AC	AD	AE
1	**Investment**	sl r"Total" cD		2.7928	2.7928	2.6067	1.4506	1.4506	0.3934
2									
3	***Investment Based Costs***	***sl 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									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0009	0.0009	0.0008	0.0004	0.0004	0.0001
12	Sales Expense	cA*(r8-r6)	0.011877	0.0005	0.0005	0.0005	0.0003	0.0003	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	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0014	0.0014	0.0013	0.0007	0.0007	0.0002
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0443	0.0443	0.0414	0.0230	0.0230	0.0062
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0015	0.0015	0.0014	0.0008	0.0008	0.0002
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0007	0.0007	0.0006	0.0003	0.0003	0.0001
22	General Support Assets	cA*(r17-r6)	0.088742	0.0039	0.0039	0.0037	0.0020	0.0020	0.0006
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0019	0.0019	0.0018	0.0010	0.0010	0.0003
24	Uncollectible	cA*(r17-r6)	0.003786	0.0002	0.0002	0.0002	0.0001	0.0001	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0003	0.0003	0.0003	0.0002	0.0002	0.0000
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0004	0.0004	0.0003	0.0002	0.0002	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0031	0.0031	0.0029	0.0016	0.0016	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***		0.0121	0.0121	0.0113	0.0063	0.0063	0.0017
30									
31	***TELRIC***	***r17 + r29***		0.0564	0.0564	0.0526	0.0293	0.0293	0.0079
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0006	0.0006	0.0006	0.0003	0.0003	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	0.0021	0.0021	0.0020	0.0011	0.0011	0.0003
37	Legal Expense	cA*(r31-r6)	0.004717	0.0003	0.0003	0.0002	0.0001	0.0001	0.0000
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0001	0.0001	0.0001	0.0001	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	cA*(r31-r6)	0.015064	0.0008	0.0008	0.0008	0.0004	0.0004	0.0001
41	***Common Costs***	***Sum r34:r40***		0.0040	0.0040	0.0038	0.0021	0.0021	0.0006
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0604	0.0604	0.0564	0.0314	0.0314	0.0085

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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
			A	AF	AG	AH	AI	AJ	AK
1	**Investment**	sl r"Total" cD		11.9212	0.9003	0.3459	11.9212	0.5195	18.6671
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.1832	0.0138	0.0053	0.1832	0.0080	0.2868
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***			0.1832	0.0138	0.0053	0.1832	0.0080	0.2868
9									
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	0.0001	0.0000	0.0000	0.0001	0.0000	0.0002
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0091	0.0007	0.0003	0.0091	0.0004	0.0143
37	Legal Expense	cA*(r31-r6)	0.004717	0.0011	0.0001	0.0000	0.0011	0.0000	0.0018
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0004	0.0000	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	0.0000	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0036	0.0003	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[illegible]t Costs

Row	5/7/02 [illegible]05 AM South Dakota	Source or Calculation	Factor Value	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
			A	AL	AM	AN	AO	AP	AQ
1	**Investment**	sl r"Total" cD		1.0305	2.0649	2.0649	3.3055	1.9163	245.5542
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0158	0.0317	0.0317	0.0508	0.0294	3.7731
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***			0.0158	0.0317	0.0317	0.0508	0.0294	3.7731
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0003	0.0006	0.0006	0.0010	0.0006	0.0753
12	Sales Expense	cA*(r8-r6)	0.011877	0.0002	0.0004	0.0004	0.0006	0.0003	0.0448
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	0.0001	0.0000	0.0058
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0005	0.0011	0.0011	0.0017	0.0010	0.1259
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0164	0.0328	0.0328	0.0525	0.0304	3.8990
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0006	0.0011	0.0011	0.0018	0.0011	0.1358
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0002	0.0005	0.0005	0.0008	0.0004	0.0573
22	General Support Assets	cA*(r17-r6)	0.088742	0.0015	0.0029	0.0029	0.0047	0.0027	0.3460
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0007	0.0014	0.0014	0.0023	0.0013	0.1690
24	Uncollectible	cA*(r17-r6)	0.003786	0.0001	0.0001	0.0001	0.0002	0.0001	0.0148
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0002	0.0002	0.0004	0.0002	0.0286
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0003	0.0003	0.0004	0.0003	0.0323
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0012	0.0023	0.0023	0.0037	0.0022	0.2764
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***		0.0044	0.0089	0.0089	0.0143	0.0083	1.0603
30									
31	***TELRIC***	***r17 + r29***		0.0208	0.0417	0.0417	0.0668	0.0387	4.9593
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0002	0.0005	0.0005	0.0008	0.0004	0.0559
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0008	0.0016	0.0016	0.0025	0.0015	0.1877
37	Legal Expense	cA*(r31-r6)	0.004717	0.0001	0.0002	0.0002	0.0003	0.0002	0.0234
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0001	0.0001	0.0001	0.0001	0.0092
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	0.0003	0.0006	0.0006	0.0010	0.0006	0.0747
41	***Common Costs***	***Sum r34:r40***		0.0015	0.0030	0.0030	0.0048	0.0028	0.3535
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0223	0.0447	0.0447	0.0715	0.0415	5.3128

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Row	South Dakota	Source or Calculation	Factor Value	Centrex Plus to IC Carrier	Centrex Plus to PBX/Key Blocked	Centrex Plus to PBX/Key Non-Blocked	CFBL - All Calls	CFBL - Incoming Only	CFDA Incoming Only
			A	AR	AS	AT	AU	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***	***sl r"Total" cK***		3.7731	3.7731	3.7731	0.0138	0.0138	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***			3.7731	3.7731	3.7731	0.0138	0.0138	0.0060
9									
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									
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***								
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0747	0.0747	0.0747	0.0003	0.0003	0.0001
41	***Common Costs***	***Sum r34:r40***		0.3535	0.3535	0.3535	0.0013	0.0013	0.0006
42									
43	***TELRIC + Common Costs***	***r31 + r41***		5.3128	5.3128	5.3128	0.0194	0.0194	0.0085

Row	5/7/02 . . .05 AM South Dakota	Source or Calculation	Factor Value	CLASS - Anonymous Call Rejection	CLASS - Call Waiting ID	CLASS - Calling Name & Number	CLASS - Calling Number Delivery	CLASS - Calling Number Delivery - Blocking	CLASS - Continuous Redial
			A	AX	AY	AZ	BA	BB	BC
1	**Investment**	sl r"Total" cD		12.1234	1.4442	16.6080	2.2466	13.4656	10.6136
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.1863	0.0222	0.2552	0.0345	0.2069	0.1631
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***			0.1863	0.0222	0.2552	0.0345	0.2069	0.1631
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0037	0.0004	0.0051	0.0007	0.0041	0.0033
12	Sales Expense	cA*(r8-r6)	0.011877	0.0022	0.0003	0.0030	0.0004	0.0025	0.0019
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	0.0004	0.0001	0.0003	0.0002
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0062	0.0007	0.0085	0.0012	0.0069	0.0054
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.1925	0.0229	0.2637	0.0357	0.2138	0.1685
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0067	0.0008	0.0092	0.0012	0.0074	0.0059
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0028	0.0003	0.0039	0.0005	0.0031	0.0025
22	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	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									
31	***TELRIC***	***r17 + r29***		0.2448	0.0292	0.3354	0.0454	0.2720	0.2144
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0028	0.0003	0.0038	0.0005	0.0031	0.0024
35	Planning Expense	cA*(r31-r6)	0.000525	0.0001	0.0000	0.0002	0.0000	0.0001	0.0001
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0093	0.0011	0.0127	0.0017	0.0103	0.0081
37	Legal Expense	cA*(r31-r6)	0.004717	0.0012	0.0001	0.0016	0.0002	0.0013	0.0010
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0005	0.0001	0.0006	0.0001	0.0005	0.0004
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	0.0037	0.0004	0.0051	0.0007	0.0041	0.0032
41	***Common Costs***	***Sum r34:r40***		0.0175	0.0021	0.0239	0.0032	0.0194	0.0153
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.2623	0.0312	0.3593	0.0486	0.2913	0.2296

Row	5/7/02 [illegible]05 AM 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)
			A	BD	BE	BF	BG	BH	BI
1	**Investment**	sl r"Total" cD		3.1802	5.7379	5.2063	12.0256	0.6322	0.6322
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0489	0.0882	0.0800	0.1848	0.0097	0.0097
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***			0.0489	0.0882	0.0800	0.1848	0.0097	0.0097
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0010	0.0018	0.0016	0.0037	0.0002	0.0002
12	Sales Expense	cA*(r8-r6)	0.011877	0.0006	0.0010	0.0010	0.0022	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	0.0001	0.0001	0.0001	0.0003	0.0000	0.0000
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0016	0.0029	0.0027	0.0062	0.0003	0.0003
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0505	0.0911	0.0827	0.1909	0.0100	0.0100
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0018	0.0032	0.0029	0.0067	0.0003	0.0003
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0007	0.0013	0.0012	0.0028	0.0001	0.0001
22	General Support Assets	cA*(r17-r6)	0.088742	0.0045	0.0081	0.0073	0.0169	0.0009	0.0009
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0022	0.0039	0.0036	0.0083	0.0004	0.0004
24	Uncollectible	cA*(r17-r6)	0.003786	0.0002	0.0003	0.0003	0.0007	0.0000	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0004	0.0007	0.0006	0.0014	0.0001	0.0001
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0004	0.0008	0.0007	0.0016	0.0001	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0036	0.0065	0.0059	0.0135	0.0007	0.0007
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***		0.0137	0.0248	0.0225	0.0519	0.0027	0.0027
30									
31	***TELRIC***	***r17 + r29***		0.0642	0.1159	0.1051	0.2429	0.0128	0.0128
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0007	0.0013	0.0012	0.0027	0.0001	0.0001
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0024	0.0044	0.0040	0.0092	0.0005	0.0005
37	Legal Expense	cA*(r31-r6)	0.004717	0.0003	0.0005	0.0005	0.0011	0.0001	0.0001
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0001	0.0002	0.0002	0.0005	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	0.0010	0.0017	0.0016	0.0037	0.0002	0.0002
41	***Common Costs***	***Sum r34:r40***		0.0046	0.0083	0.0075	0.0173	0.0009	0.0009
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0688	0.1241	0.1126	0.2602	0.0137	0.0137

Row	5/7/02 [illegible]05 AM South Dakota	Source or Calculation	Factor Value	Custom Ringing First Line (Short/Short/Long)	Custom Ringing Second Line (Short/Long/Short)	Custom Ringing Second Line (Short/Short)	Custom Ringing Second Line (Short/Short/Long)	Custom Ringing Third Line (Short/Long/Short)	Custom Ringing Third Line (Short/Short)
			A	BJ	BK	BL	BM	BN	BO
1	**Investment**	sl r"Total" cD		0.6322	0.5930	0.5930	0.5930	0.4742	0.4742
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0097	0.0091	0.0091	0.0091	0.0073	0.0073
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***			0.0097	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***	***r8 + r15***		0.0100	0.0094	0.0094	0.0094	0.0075	0.0075
18									
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)	0.014703	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
22	General Support Assets	cA*(r17-r6)	0.088742	0.0009	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	0.0004	0.0003	0.0003
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0007	0.0007	0.0007	0.0007	0.0005	0.0005
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***		0.0027	0.0026	0.0026	0.0026	0.0020	0.0020
30									
31	***TELRIC***	***r17 + r29***		0.0128	0.0120	0.0120	0.0120	0.0096	0.0096
32									
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	0.0005	0.0005	0.0005	0.0005	0.0004	0.0004
37	Legal Expense	cA*(r31-r6)	0.004717	0.0001	0.0001	0.0001	0.0001	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	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
41	***Common Costs***	***Sum r34:r40***		0.0009	0.0009	0.0009	0.0009	0.0007	0.0007
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0137	0.0128	0.0128	0.0128	0.0103	0.0103

Row	5/7/02 .05 AM 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
			A	BP	BQ	BR	BS	BT	BU
1	**Investment**	sl r"Total" cD		0.4742	0.0000	83.2220	4.9722	1.3662	0.6461
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0073	0.0000	1.2788	0.0764	0.0210	0.0099
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***			0.0073	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	0.0000	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									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0075	0.0000	1.3214	0.0790	0.0217	0.0103
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0003	0.0000	0.0460	0.0027	0.0008	0.0004
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0001	0.0000	0.0194	0.0012	0.0003	0.0002
22	General Support Assets	cA*(r17-r6)	0.088742	0.0007	0.0000	0.1173	0.0070	0.0019	0.0009
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0003	0.0000	0.0573	0.0034	0.0009	0.0004
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0000	0.0050	0.0003	0.0001	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0000	0.0097	0.0006	0.0002	0.0001
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0000	0.0110	0.0007	0.0002	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0005	0.0000	0.0937	0.0056	0.0015	0.0007
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***		0.0020	0.0000	0.3593	0.0215	0.0059	0.0028
30									
31	***TELRIC***	***r17 + r29***		0.0096	0.0000	1.6808	0.1004	0.0276	0.0130
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0000	0.0189	0.0011	0.0003	0.0001
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0009	0.0001	0.0000	0.0000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0004	0.0000	0.0636	0.0038	0.0010	0.0005
37	Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0000	0.0079	0.0005	0.0001	0.0001
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0000	0.0031	0.0002	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	cA*(r31-r6)	0.015064	0.0001	0.0000	0.0253	0.0015	0.0004	0.0002
41	***Common Costs***	***Sum r34:r40***		0.0007	0.0000	0.1198	0.0072	0.0020	0.0009
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0103	0.0000	1.8006	0.1076	0.0296	0.0140

Row	5/7/02 ...05 AM South Dakota	Source or Calculation	Factor Value	Distinctive Ringing	EBS - Set Interface - per station line	Executive Busy Overide	Expensive Route Warning Tone- per system	Facility Restriction Level - per system	Feature Display
			A	BV	BW	BX	BY	BZ	CA
1	**Investment**	sl r"Total" cD		0.6322	65.2987	0.0680	0.0000	0.0000	0.0100
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0097	1.0034	0.0010	0.0000	0.0000	0.0002
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***			0.0097	1.0034	0.0010	0.0000	0.0000	0.0002
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0002	0.0200	0.0000	0.0000	0.0000	0.0000
12	Sales Expense	cA*(r8-r6)	0.011877	0.0001	0.0119	0.0000	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	0.0015	0.0000	0.0000	0.0000	0.0000
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0003	0.0335	0.0000	0.0000	0.0000	0.0000
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0100	1.0368	0.0011	0.0000	0.0000	0.0002
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0003	0.0361	0.0000	0.0000	0.0000	0.0000
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0001	0.0152	0.0000	0.0000	0.0000	0.0000
22	General Support Assets	cA*(r17-r6)	0.088742	0.0009	0.0920	0.0001	0.0000	0.0000	0.0000
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0004	0.0449	0.0000	0.0000	0.0000	0.0000
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0039	0.0000	0.0000	0.0000	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0076	0.0000	0.0000	0.0000	0.0000
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0086	0.0000	0.0000	0.0000	0.0000
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0007	0.0735	0.0001	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***		0.0027	0.2819	0.0003	0.0000	0.0000	0.0000
30									
31	***TELRIC***	***r17 + r29***		0.0128	1.3188	0.0014	0.0000	0.0000	0.0002
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0149	0.0000	0.0000	0.0000	0.0000
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0005	0.0499	0.0001	0.0000	0.0000	0.0000
37	Legal Expense	cA*(r31-r6)	0.004717	0.0001	0.0062	0.0000	0.0000	0.0000	0.0000
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0025	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	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.0002	0.0199	0.0000	0.0000	0.0000	0.0000
41	***Common Costs***	***Sum r34:r40***		0.0009	0.0940	0.0001	0.0000	0.0000	0.0000
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0137	1.4128	0.0015	0.0000	0.0000	0.0002

5/7/02 :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
			A	CB	CC	CD	CE	CF	CG
1	Investment	sl r"Total" cD		3.8130	2.6664	9.4220	7.3801	9.4220	145.8437
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0586	0.0410	0.1448	0.1134	0.1448	2.2410
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***			0.0586	0.0410	0.1448	0.1134	0.1448	2.2410
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0012	0.0008	0.0029	0.0023	0.0029	0.0447
12	Sales Expense	cA*(r8-r6)	0.011877	0.0007	0.0005	0.0017	0.0013	0.0017	0.0266
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	0.0001	0.0001	0.0002	0.0002	0.0002	0.0034
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0020	0.0014	0.0048	0.0038	0.0048	0.0748
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0605	0.0423	0.1496	0.1172	0.1496	2.3158
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0021	0.0015	0.0052	0.0041	0.0052	0.0807
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0009	0.0006	0.0022	0.0017	0.0022	0.0340
22	General Support Assets	cA*(r17-r6)	0.088742	0.0054	0.0038	0.0133	0.0104	0.0133	0.2055
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0026	0.0018	0.0065	0.0051	0.0065	0.1004
24	Uncollectible	cA*(r17-r6)	0.003786	0.0002	0.0002	0.0006	0.0004	0.0006	0.0088
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0004	0.0003	0.0011	0.0009	0.0011	0.0170
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0005	0.0004	0.0012	0.0010	0.0012	0.0192
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0043	0.0030	0.0106	0.0083	0.0106	0.1642
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***		0.0165	0.0115	0.0407	0.0319	0.0407	0.6297
30									
31	***TELRIC***	***r17 + r29***		0.0770	0.0539	0.1903	0.1491	0.1903	2.9455
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0009	0.0006	0.0021	0.0017	0.0021	0.0332
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0001	0.0001	0.0001	0.0015
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0029	0.0020	0.0072	0.0056	0.0072	0.1115
37	Legal Expense	cA*(r31-r6)	0.004717	0.0004	0.0003	0.0009	0.0007	0.0009	0.0139
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0001	0.0001	0.0004	0.0003	0.0004	0.0055
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	0.0012	0.0008	0.0029	0.0022	0.0029	0.0444
41	***Common Costs***	***Sum r34:r40***		0.0055	0.0038	0.0136	0.0106	0.0136	0.2100
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0825	0.0577	0.2039	0.1597	0.2039	3.1555

Total Pro t Costs

Row	5/7/02 :05 AM South Dakota	Source or Calculation	Factor Value	Hunting: Multiposition with Music in Queue	Incoming Calls Barred	International Direct Dial Blocking	ISDN Short Hunt	Line Side Answer Supervision	Loudspeaker Paging - per trunk group
			A	CH	CI	CJ	CK	CL	CM
1	Investment	sl r"Total" cD		50.1332	0.3407	0.5429	23.7663	0.9825	1,054.4513
2									
3	***Investment Based Costs***	***sl r"Total" 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	0.0154	0.0001	0.0002	0.0073	0.0003	0.3234
12	Sales Expense	cA*(r8-r6)	0.011877	0.0091	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	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0012	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									
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	***TELRIC***	***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	0.0114	0.0001	0.0001	0.0054	0.0002	0.2400
35	Planning Expense	cA*(r31-r6)	0.000525	0.0005	0.0000	0.0000	0.0003	0.0000	0.0112
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0383	0.0003	0.0004	0.0182	0.0008	0.8060
37	Legal Expense	cA*(r31-r6)	0.004717	0.0048	0.0000	0.0001	0.0023	0.0001	0.1005
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0019	0.0000	0.0000	0.0009	0.0000	0.0396
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)	0.015064	0.0153	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***		1.0847	0.0074	0.0117	0.5142	0.0213	22.8140

Total Product Costs

Row	5/7/02 .05 AM South Dakota	Source or Calculation	Factor Value	Make Busy Arrangements - per group	Make Busy Arrangements - per line	Message Center - per main station line	Message Waiting Indication Audible/Visual	Message Waiting Visual	Music On Hold - per system
			A	CN	CO	CP	CQ	CR	CS
1	**Investment**	sl r"Total" cD		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	***Marketing & Business Fees***								
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)	0.011877	0.0025	0.0006	0.0000	0.0005	0.0005	0.1984
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	0.0001	0.0000	0.0001	0.0001	0.0256
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0070	0.0017	0.0000	0.0013	0.0013	0.5572
16									
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	***TELRIC***	***r17 + r29***		0.2747	0.0687	0.0000	0.0514	0.0514	21.9519
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0031	0.0008	0.0000	0.0006	0.0006	0.2473
35	Planning Expense	cA*(r31-r6)	0.000525	0.0001	0.0000	0.0000	0.0000	0.0000	0.0115
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0104	0.0026	0.0000	0.0019	0.0019	0.8308
37	Legal Expense	cA*(r31-r6)	0.004717	0.0013	0.0003	0.0000	0.0002	0.0002	0.1036
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0005	0.0001	0.0000	0.0001	0.0001	0.0408
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)	0.015064	0.0041	0.0010	0.0000	0.0008	0.0008	0.3307
41	***Common Costs***	***Sum r34:r40***		0.0196	0.0049	0.0000	0.0037	0.0037	1.5648
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.2942	0.0736	0.0000	0.0550	0.0550	23.5167

Row	5/7/02 [illegible]05 AM South Dakota	Source or Calculation	Factor Value	Network Speed Call	Night Service Arrangement	Outgoing Calls Barred	Outgoing Trunk Queuing	Privacy Release	Query Time
			A	CT	CU	CV	CW	CX	CY
1	**Investment**	sl r"Total" cD		0.0145	0.0772	0.0256	2.8187	0.1499	8.3070
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0002	0.0012	0.0004	0.0433	0.0023	0.1276
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***			0.0002	0.0012	0.0004	0.0433	0.0023	0.1276
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.0000	0.0000	0.0009	0.0000	0.0025
12	Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0000	0.0000	0.0005	0.0000	0.0015
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	0.0001	0.0000	0.0002
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0000	0.0000	0.0000	0.0014	0.0001	0.0043
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0002	0.0012	0.0004	0.0448	0.0024	0.1319
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	0.0000	0.0000	0.0000	0.0016	0.0001	0.0046
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0000	0.0000	0.0000	0.0007	0.0000	0.0019
22	General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.0001	0.0000	0.0040	0.0002	0.0117
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0000	0.0001	0.0000	0.0019	0.0001	0.0057
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0000	0.0000	0.0002	0.0000	0.0005
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0000	0.0000	0.0000	0.0003	0.0000	0.0010
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0000	0.0000	0.0000	0.0004	0.0000	0.0011
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0000	0.0001	0.0000	0.0032	0.0002	0.0094
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***		0.0001	0.0003	0.0001	0.0122	0.0006	0.0359
30									
31	***TELRIC***	***r17 + r29***		0.0003	0.0016	0.0005	0.0569	0.0030	0.1678
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0000	0.0000	0.0000	0.0006	0.0000	0.0019
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0000	0.0001	0.0000	0.0022	0.0001	0.0063
37	Legal Expense	cA*(r31-r6)	0.004717	0.0000	0.0000	0.0000	0.0003	0.0000	0.0008
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0000	0.0000	0.0000	0.0001	0.0000	0.0003
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	0.0000	0.0000	0.0009	0.0000	0.0025
41	***Common Costs***	***Sum r34:r40***		0.0000	0.0001	0.0000	0.0041	0.0002	0.0120
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0003	0.0017	0.0006	0.0610	0.0032	0.1797

Row	5/7/02 . ..05 AM South Dakota	Source or Calculation	Factor Value	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
			A	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									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
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***			0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
9									
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***								
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
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***		0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
30									
31	***TELRIC***	***r17 + r29***		0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
32									
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	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***		0.0103	0.0103	0.0103	0.0103	0.0103	0.0103

Total Pr t Costs

5/7/02 :05 AM

Row	South Dakota	Source or Calculation	Factor Value	Speed Calling 30 Number	Speed Calling 8 Number	Station Camp-On Service - per main station	Station Message Detail Recording (SMDR)	Three Way Calling	Time and Date Display
			A	DF	DG	DH	DI	DJ	DK
1	**Investment**	sl r"Total" cD		0.4754	0.4754	387.9348	1.5847	11.9212	5.1972
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0073	0.0073	5.9609	0.0261	0.1832	0.0799
4									
5	Direct Expenses			0.0000	0.0000	0.0000	0.0524	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***			0.0073	0.0073	5.9609	0.0785	0.1832	0.0799
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0001	0.0001	0.1190	0.0016	0.0037	0.0016
12	Sales Expense	cA*(r8-r6)	0.011877	0.0001	0.0001	0.0708	0.0009	0.0022	0.0009
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	0.0091	0.0001	0.0003	0.0001
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0002	0.0002	0.1989	0.0026	0.0061	0.0027
16									
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	cA*(r17-r6)	0.034832	0.0003	0.0003	0.2146	0.0028	0.0066	0.0029
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0001	0.0001	0.0906	0.0012	0.0028	0.0012
22	General Support Assets	cA*(r17-r6)	0.088742	0.0007	0.0007	0.5466	0.0072	0.0168	0.0073
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.0003	0.0003	0.2670	0.0035	0.0082	0.0036
24	Uncollectible	cA*(r17-r6)	0.003786	0.0000	0.0000	0.0233	0.0003	0.0007	0.0003
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0001	0.0001	0.0452	0.0006	0.0014	0.0006
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0001	0.0001	0.0511	0.0007	0.0016	0.0007
27	Information Management Expense	cA*(r17-r6)	0.070887	0.0005	0.0005	0.4366	0.0058	0.0134	0.0058
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***		0.0021	0.0021	1.6750	0.0221	0.0515	0.0224
30									
31	***TELRIC***	***r17 + r29***		0.0096	0.0096	7.8348	0.1032	0.2408	0.1050
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	0.0001	0.0001	0.0883	0.0012	0.0027	0.0012
35	Planning Expense	cA*(r31-r6)	0.000525	0.0000	0.0000	0.0041	0.0001	0.0001	0.0001
36	External Relations Expense	cA*(r31-r6)	0.037846	0.0004	0.0004	0.2965	0.0039	0.0091	0.0040
37	Legal Expense	cA*(r31-r6)	0.004717	0.0000	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	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	0.0001	0.0001	0.1180	0.0016	0.0036	0.0016
41	***Common Costs***	***Sum r34:r40***		0.0007	0.0007	0.5585	0.0074	0.0172	0.0075
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0103	0.0103	8.3933	0.1106	0.2579	0.1124

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Row	South Dakota	Source or Calculation	Factor Value	Time of Day Control for ARS - per system	Time of Day NCOS Update	Time of Day Routing - per line	Toll Restriction Service	Trunk Answer Any Station	Trunk Verification from Designated Station
			A	DL	DM	DN	DO	DP	DQ
1	**Investment**	sl r"Total" cD		0.0000	0.2654	2.7645	0.2436	0.0772	0.0000
2									
3	***Investment Based Costs***	***sl r"Total" cK***		0.0000	0.0041	0.0425	0.0037	0.0012	0.0000
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	0.0041	0.0425	0.0037	0.0012	0.0000
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	0.0000	0.0001	0.0008	0.0001	0.0000	0.0000
12	Sales Expense	cA*(r8-r6)	0.011877	0.0000	0.0000	0.0005	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	0.0000	0.0001	0.0000	0.0000	0.0000
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.0000	0.0001	0.0014	0.0001	0.0000	0.0000
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		0.0000	0.0042	0.0439	0.0039	0.0012	0.0000
18									
19	***Other Direct Expenses***								
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	0.0000	0.0000
22	General Support Assets	cA*(r17-r6)	0.088742	0.0000	0.0004	0.0039	0.0003	0.0001	0.0000
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	0.0002	0.0000	0.0000	0.0000
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
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
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.0000	0.0011	0.0119	0.0011	0.0003	0.0000
30									
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
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
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	0.0001	0.0008	0.0001	0.0000	0.0000
41	***Common Costs***	***Sum r34:r40***		0.0000	0.0004	0.0040	0.0004	0.0001	0.0000
42									
43	***TELRIC + Common Costs***	***r31 + r41***		0.0000	0.0057	0.0598	0.0053	0.0017	0.0000

5/7/02 [illegible]05 AM

Row	South Dakota	Source or Calculation	Factor Value	UCD in hunt group - per line	UCD with Music After Delay
			A	DR	DS
1	**Investment**	sl r"Total" cD		385.2874	254.0599
2					
3	***Investment Based Costs***	***sl r"Total" cK***		5.9202	3.9038
4					
5	Direct Expenses			0.0000	0.0000
6	Miscellaneous Expenses			0.0000	0.0000
7	Billing & Collection - PL			0.0000	0.0000
8	***Total Investment Based + Billing & Collection***			5.9202	3.9038
9					
10	***Marketing & Business Fees***				
11	Product Management Expense	cA*(r8-r6)	0.019957	0.1182	0.0779
12	Sales Expense	cA*(r8-r6)	0.011877	0.0703	0.0464
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.0000	0.0000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6)	0.001483	0.0091	0.0060
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.1975	0.1302
16					
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		6.1177	4.0340
18					
19	***Other Direct Expenses***				
20	Network Operations	cA*(r17-r6)	0.034832	0.2131	0.1405
21	Network Support Assets	cA*(r17-r6)	0.014703	0.0900	0.0593
22	General Support Assets	cA*(r17-r6)	0.088742	0.5429	0.3580
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.2652	0.1748
24	Uncollectible	cA*(r17-r6)	0.003786	0.0232	0.0153
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.0449	0.0296
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.0507	0.0335
27	Information Management Expense	cA*(r17-r6)	0.070887	0.4337	0.2860
28	Intangibles	cA*(r17-r6)	0.000000	0.0000	0.0000
29	***Total Other Direct Expenses***	***Sum r20:r28***		1.6636	1.0970
30					
31	***TELRIC***	***r17 + r29***		7.7813	5.1310
32					
33	***Common***				
34	Executive Expense	cA*(r31-r6)	0.011267	0.0877	0.0578
35	Planning Expense	cA*(r31-r6)	0.000525	0.0041	0.0027
36	External Relations Expense	cA*(r31-r6)	0.037846	0.2945	0.1942
37	Legal Expense	cA*(r31-r6)	0.004717	0.0367	0.0242
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.0145	0.0095
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.0000	0.0000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.1172	0.0773
41	***Common Costs***	***Sum r34:r40***		0.5547	0.3658
42					
43	***TELRIC + Common Costs***	***r31 + r41***		8.3360	5.4968

5/7/02
South Dakota

SGAT FEATURES

10XXX Direct Dialed Blocking

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0286	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0005
2111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0057	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
		Total	**0.0344**	**0.0003**	**0.0001**	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0005**

Account Codes - per system

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	292.7794	2.6572	1.1088	0.4193	0.2329	0.2444	0.0000	4.6626
2111	20C	Land	1.0927	0.0000	0.0088	0.0033	0.0009	0.0012		0.0141
2121	110C	Building	58.5069	0.1259	0.3650	0.1380	0.0465	0.0623		0.7378
		Total	**352.3789**	**2.7831**	**1.4826**	**0.5607**	**0.2803**	**0.3078**	**0.0000**	**5.4145**

Attendant Access Line - per station line

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.2340	0.0021	0.0009	0.0003	0.0002	0.0002	0.0000	0.0037
2111	20C	Land	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0468	0.0001	0.0003	0.0001	0.0000	0.0000		0.0006
		Total	**0.2816**	**0.0022**	**0.0012**	**0.0004**	**0.0002**	**0.0002**	**0.0000**	**0.0043**

Audible Message Waiting

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	2.1128	0.0192	0.0080	0.0030	0.0017	0.0018	0.0000	0.0336
2111	20C	Land	0.0079	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4222	0.0009	0.0026	0.0010	0.0003	0.0004		0.0053
		Total	**2.5429**	**0.0201**	**0.0107**	**0.0040**	**0.0020**	**0.0022**	**0.0000**	**0.0391**

Authorization Codes - per system

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	123.0425	1.1167	0.4660	0.1762	0.0979	0.1027	0.0000	1.9595
2111	20C	Land	0.4592	0.0000	0.0037	0.0014	0.0004	0.0005		0.0059
2121	110C	Building	24.5879	0.0529	0.1534	0.0580	0.0196	0.0262		0.3101
		Total	**148.0896**	**1.1696**	**0.6231**	**0.2356**	**0.1178**	**0.1294**	**0.0000**	**2.2755**

Auto Callback

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.3164	0.0029	0.0012	0.0005	0.0003	0.0003	0.0000	0.0050
2111	20C	Land	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0632	0.0001	0.0004	0.0001	0.0001	0.0001		0.0008

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**0.3808**	**0.0030**	**0.0016**	**0.0006**	**0.0003**	**0.0003**	**0.0000**	**0.0059**

Automatic Line

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	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**

Automatic Route Selection - Common Equip. per system

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	84.1903	0.7641	0.3188	0.1206	0.0670	0.0703	0.0000	1.3408
2111	20C	Land	0.3142	0.0000	0.0025	0.0010	0.0002	0.0003		0.0041
2121	110C	Building	16.8240	0.0362	0.1050	0.0397	0.0134	0.0179		0.2121
		Total	**101.3285**	**0.8003**	**0.4263**	**0.1612**	**0.0806**	**0.0885**	**0.0000**	**1.5570**

Blocking of pay per call services

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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		0.0001
2121	110C	Building	0.2573	0.0006	0.0016	0.0006	0.0002	0.0003		0.0032
		Total	**1.5496**	**0.0122**	**0.0065**	**0.0025**	**0.0012**	**0.0014**	**0.0000**	**0.0238**

Bridging

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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
2121	110C	Building	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	**0.0186**	**0.0001**	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0003**

Call Drop

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	**0.0043**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0001**

Call Exclusion - Automatic

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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Call Exclusion - Manual

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Call Forward Don't Answer - All Calls

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Forwarding Incoming Only

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.2394	0.0022	0.0009	0.0003	0.0002	0.0002	0.0000	0.0038
2111	20C	Land	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0478	0.0001	0.0003	0.0001	0.0000	0.0001		0.0006
		Total	**0.2881**	**0.0023**	**0.0012**	**0.0005**	**0.0002**	**0.0003**	**0.0000**	**0.0044**

Call Forwarding Intra Group Only

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.2093	0.0019	0.0008	0.0003	0.0002	0.0002	0.0000	0.0033
2111	20C	Land	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0418	0.0001	0.0003	0.0001	0.0000	0.0000		0.0005
		Total	**0.2519**	**0.0020**	**0.0011**	**0.0004**	**0.0002**	**0.0002**	**0.0000**	**0.0039**

Call Forwarding Variable Remote

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	1.5837	0.0144	0.0060	0.0023	0.0013	0.0013	0.0000	0.0252
2111	20C	Land	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3165	0.0007	0.0020	0.0007	0.0003	0.0003		0.0040
		Total	**1.9060**	**0.0151**	**0.0080**	**0.0030**	**0.0015**	**0.0017**	**0.0000**	**0.0293**

Call Forwarding: Busy Line (Expanded)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.7457	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	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**0.8975**	**0.0071**	**0.0038**	**0.0014**	**0.0007**	**0.0008**	**0.0000**	**0.0138**

Call Forwarding: Busy Line (External)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.7457	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	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019
		Total	**0.8975**	**0.0071**	**0.0038**	**0.0014**	**0.0007**	**0.0008**	**0.0000**	**0.0138**

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

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	3.0661	0.0278	0.0116	0.0044	0.0024	0.0026	0.0000	0.0488
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 Forwarding: Busy Line (Overflow)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.7457	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	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019
		Total	**0.8975**	**0.0071**	**0.0038**	**0.0014**	**0.0007**	**0.0008**	**0.0000**	**0.0138**

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

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	3.0661	0.0278	0.0116	0.0044	0.0024	0.0026	0.0000	0.0488
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 Forwarding: Busy Line (Programmable)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	1.0618	0.0096	0.0040	0.0015	0.0008	0.0009	0.0000	0.0169
2111	20C	Land	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.2122	0.0005	0.0013	0.0005	0.0002	0.0002		0.0027
		Total	**1.2779**	**0.0101**	**0.0054**	**0.0020**	**0.0010**	**0.0011**	**0.0000**	**0.0196**

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

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	3.0661	0.0278	0.0116	0.0044	0.0024	0.0026	0.0000	0.0488

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Acct	FRC	Account Name	Investment	Depreciation	Cost 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 Forwarding: 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 Forwarding: 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		0.0001
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 Forwarding: Don't Answer (Programmable)

2212	377C	Digital Switch	2.1658	0.0197	0.0082	0.0031	0.0017	0.0018	0.0000	0.0345
2111	20C	Land	0.0081	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4328	0.0009	0.0027	0.0010	0.0003	0.0005		0.0055
		Total	**2.6067**	**0.0206**	**0.0110**	**0.0041**	**0.0021**	**0.0023**	**0.0000**	**0.0401**

Call Forwarding: Variable

2212	377C	Digital Switch	1.2052	0.0109	0.0046	0.0017	0.0010	0.0010	0.0000	0.0192
2111	20C	Land	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.2408	0.0005	0.0015	0.0006	0.0002	0.0003		0.0030
		Total	**1.4506**	**0.0115**	**0.0061**	**0.0023**	**0.0012**	**0.0013**	**0.0000**	**0.0223**

Call Forwarding: Variable - no call complete option

2212	377C	Digital Switch	1.2052	0.0109	0.0046	0.0017	0.0010	0.0010	0.0000	0.0192
2111	20C	Land	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.2408	0.0005	0.0015	0.0006	0.0002	0.0003		0.0030
		Total	**1.4506**	**0.0115**	**0.0061**	**0.0023**	**0.0012**	**0.0013**	**0.0000**	**0.0223**

Call Hold

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	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	0.0653	0.0001	0.0004	0.0002	0.0001	0.0001		0.0008
		Total	**0.3934**	**0.0031**	**0.0017**	**0.0006**	**0.0003**	**0.0003**	**0.0000**	**0.0060**

Call Hold/3-Way/Call Transfer

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	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 Park (Basic - Store & Retrieve)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Pickup

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	0.0574	0.0001	0.0004	0.0001	0.0000	0.0001		0.0007
		Total	**0.3459**	**0.0027**	**0.0015**	**0.0006**	**0.0003**	**0.0003**	**0.0000**	**0.0053**

Call Transfer

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	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 Waiting Dial Originating

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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
		Total	**0.5195**	**0.0041**	**0.0022**	**0.0008**	**0.0004**	**0.0005**	**0.0000**	**0.0080**

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Call Waiting Indication - per timing state

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	15.5098	0.1408	0.0587	0.0222	0.0123	0.0129	0.0000	0.2470
2111	20C	Land	0.0579	0.0000	0.0005	0.0002	0.0000	0.0001		0.0007
2121	110C	Building	3.0994	0.0067	0.0193	0.0073	0.0025	0.0033		0.0391
		Total	**18.6671**	**0.1474**	**0.0785**	**0.0297**	**0.0149**	**0.0163**	**0.0000**	**0.2868**

Call Waiting Originating

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.8562	0.0078	0.0032	0.0012	0.0007	0.0007	0.0000	0.0136
2111	20C	Land	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.1711	0.0004	0.0011	0.0004	0.0001	0.0002		0.0022
		Total	**1.0305**	**0.0081**	**0.0043**	**0.0016**	**0.0008**	**0.0009**	**0.0000**	**0.0158**

Call Waiting Terminating - All Calls

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	1.7157	0.0156	0.0065	0.0025	0.0014	0.0014	0.0000	0.0273
2111	20C	Land	0.0064	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3428	0.0007	0.0021	0.0008	0.0003	0.0004		0.0043
		Total	**2.0649**	**0.0163**	**0.0087**	**0.0033**	**0.0016**	**0.0018**	**0.0000**	**0.0317**

Call Waiting Terminating - Incoming Only

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	1.7157	0.0156	0.0065	0.0025	0.0014	0.0014	0.0000	0.0273
2111	20C	Land	0.0064	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3428	0.0007	0.0021	0.0008	0.0003	0.0004		0.0043
		Total	**2.0649**	**0.0163**	**0.0087**	**0.0033**	**0.0016**	**0.0018**	**0.0000**	**0.0317**

Call Waiting/ Cancel Call Waiting

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	2.7464	0.0249	0.0104	0.0039	0.0022	0.0023	0.0000	0.0437
2111	20C	Land	0.0102	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.5488	0.0012	0.0034	0.0013	0.0004	0.0006		0.0069
		Total	**3.3055**	**0.0261**	**0.0139**	**0.0053**	**0.0026**	**0.0029**	**0.0000**	**0.0508**

Centrex Plus DID numbers per number

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	1.5921	0.0145	0.0060	0.0023	0.0013	0.0013	0.0000	0.0254
2111	20C	Land	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3182	0.0007	0.0020	0.0008	0.0003	0.0003		0.0040
		Total	**1.9163**	**0.0151**	**0.0081**	**0.0030**	**0.0015**	**0.0017**	**0.0000**	**0.0294**

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Centrex Plus to Centrex Plus

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.2491
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008		0.0099
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.5141
		Total	**245.5542**	**1.9394**	**1.0331**	**0.3907**	**0.1953**	**0.2145**	**0.0000**	**3.7731**

Centrex Plus to IC Carrier

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.2491
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008		0.0099
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.5141
		Total	**245.5542**	**1.9394**	**1.0331**	**0.3907**	**0.1953**	**0.2145**	**0.0000**	**3.7731**

Centrex Plus to PBX/Key Blocked

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.2491
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008		0.0099
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.5141
		Total	**245.5542**	**1.9394**	**1.0331**	**0.3907**	**0.1953**	**0.2145**	**0.0000**	**3.7731**

Centrex Plus to PBX/Key Non-Blocked

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	204.0225	1.8517	0.7726	0.2922	0.1623	0.1703	0.0000	3.2491
2111	20C	Land	0.7614	0.0000	0.0061	0.0023	0.0006	0.0008		0.0099
2121	110C	Building	40.7704	0.0877	0.2544	0.0962	0.0324	0.0434		0.5141
		Total	**245.5542**	**1.9394**	**1.0331**	**0.3907**	**0.1953**	**0.2145**	**0.0000**	**3.7731**

CFBL - All Calls

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.7457	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	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019
		Total	**0.8975**	**0.0071**	**0.0038**	**0.0014**	**0.0007**	**0.0008**	**0.0000**	**0.0138**

CFBL - Incoming Only

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.7457	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	0.1490	0.0003	0.0009	0.0004	0.0001	0.0002		0.0019

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**0.8975**	**0.0071**	**0.0038**	**0.0014**	**0.0007**	**0.0008**	**0.0000**	**0.0138**

CFDA Incoming Only

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.3263	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	0.0652	0.0001	0.0004	0.0002	0.0001	0.0001		0.0008
		Total	**0.3927**	**0.0031**	**0.0017**	**0.0006**	**0.0003**	**0.0003**	**0.0000**	**0.0060**

CLASS - Anonymous Call Rejection

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	10.0729	0.0914	0.0381	0.0144	0.0080	0.0084	0.0000	0.1604
2111	20C	Land	0.0376	0.0000	0.0003	0.0001	0.0000	0.0000		0.0005
2121	110C	Building	2.0129	0.0043	0.0126	0.0047	0.0016	0.0021		0.0254
		Total	**12.1234**	**0.0958**	**0.0510**	**0.0193**	**0.0096**	**0.0106**	**0.0000**	**0.1863**

CLASS - Call Waiting ID

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 - Calling Name & Number

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	13.7990	0.1252	0.0523	0.0198	0.0110	0.0115	0.0000	0.2198
2111	20C	Land	0.0515	0.0000	0.0004	0.0002	0.0000	0.0001		0.0007
2121	110C	Building	2.7575	0.0059	0.0172	0.0065	0.0022	0.0029		0.0348
		Total	**16.6080**	**0.1312**	**0.0699**	**0.0264**	**0.0132**	**0.0145**	**0.0000**	**0.2552**

CLASS - Calling Number Delivery

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.3730	0.0008	0.0023	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 - Calling Number Delivery - Blocking

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	11.1881	0.1015	0.0424	0.0160	0.0089	0.0093	0.0000	0.1782
2111	20C	Land	0.0418	0.0000	0.0003	0.0001	0.0000	0.0000		0.0005

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2121	110C	Building	2.2358	0.0048	0.0139	0.0053	0.0018	0.0024		0.0282
		Total	**13.4656**	**0.1064**	**0.0567**	**0.0214**	**0.0107**	**0.0118**	**0.0000**	**0.2069**

CLASS - Continuous Redial

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

2212	377C	Digital Switch	2.6423	0.0240	0.0100	0.0038	0.0021	0.0022	0.0000	0.0421
2111	20C	Land	0.0099	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.5280	0.0011	0.0033	0.0012	0.0004	0.0006		0.0067
		Total	**3.1802**	**0.0251**	**0.0134**	**0.0051**	**0.0025**	**0.0028**	**0.0000**	**0.0489**

CLASS - Priority 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	0.0001	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 - Selective Call Forwarding

2212	377C	Digital Switch	4.3258	0.0393	0.0164	0.0062	0.0034	0.0036	0.0000	0.0689
2111	20C	Land	0.0161	0.0000	0.0001	0.0000	0.0000	0.0000		0.0002
2121	110C	Building	0.8644	0.0019	0.0054	0.0020	0.0007	0.0009		0.0109
		Total	**5.2063**	**0.0411**	**0.0219**	**0.0083**	**0.0041**	**0.0045**	**0.0000**	**0.0800**

CLASS - Selective 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 Ringing 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

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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		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**

Custom Ringing 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		0.0000
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**

Custom Ringing First Line (Short/Short/Long)

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		0.0000
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**

Custom Ringing Second Line (Short/Long/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	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0985	0.0002	0.0006	0.0002	0.0001	0.0001		0.0012
		Total	**0.5930**	**0.0047**	**0.0025**	**0.0009**	**0.0005**	**0.0005**	**0.0000**	**0.0091**

Custom Ringing 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	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0985	0.0002	0.0006	0.0002	0.0001	0.0001		0.0012
		Total	**0.5930**	**0.0047**	**0.0025**	**0.0009**	**0.0005**	**0.0005**	**0.0000**	**0.0091**

Custom Ringing Second Line (Short/Short/Long)

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	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0985	0.0002	0.0006	0.0002	0.0001	0.0001		0.0012
		Total	**0.5930**	**0.0047**	**0.0025**	**0.0009**	**0.0005**	**0.0005**	**0.0000**	**0.0091**

Custom Ringing Third Line (Short/Long/Short)

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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**

Custom Ringing 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
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**

Custom Ringing Third Line (Short/Short/Long)

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**

Data Call Protection (DMS 100)

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**

Dir Sta Sel/Busy Lamp Fld per arrangement

2212	377C	Digital Switch	69.1463	0.6276	0.2619	0.0990	0.0550	0.0577	0.0000	1.1012
2111	20C	Land	0.2581	0.0000	0.0021	0.0008	0.0002	0.0003		0.0033
2121	110C	Building	13.8177	0.0297	0.0862	0.0326	0.0110	0.0147		0.1742
		Total	**83.2220**	**0.6573**	**0.3501**	**0.1324**	**0.0662**	**0.0727**	**0.0000**	**1.2788**

Directed Call Pickup with Barge-in

2212	377C	Digital Switch	4.1312	0.0375	0.0156	0.0059	0.0033	0.0034	0.0000	0.0658
2111	20C	Land	0.0154	0.0000	0.0001	0.0000	0.0000	0.0000		0.0002
2121	110C	Building	0.8256	0.0018	0.0052	0.0019	0.0007	0.0009		0.0104
		Total	**4.9722**	**0.0393**	**0.0209**	**0.0079**	**0.0040**	**0.0043**	**0.0000**	**0.0764**

Directed Call Pickup without Barge-in

2212	377C	Digital Switch	1.1352	0.0103	0.0043	0.0016	0.0009	0.0009	0.0000	0.0181
2111	20C	Land	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.2268	0.0005	0.0014	0.0005	0.0002	0.0002		0.0029

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**1.3662**	**0.0108**	**0.0057**	**0.0022**	**0.0011**	**0.0012**	**0.0000**	**0.0210**

Distinctive 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**

Distinctive Ringing

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		0.0000
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**

EBS - Set Interface - per station line

2212	377C	Digital Switch	54.2545	0.4924	0.2055	0.0777	0.0432	0.0453	0.0000	0.8640
2111	20C	Land	0.2025	0.0000	0.0016	0.0006	0.0002	0.0002		0.0026
2121	110C	Building	10.8418	0.0233	0.0676	0.0256	0.0086	0.0115		0.1367
		Total	**65.2987**	**0.5157**	**0.2747**	**0.1039**	**0.0519**	**0.0570**	**0.0000**	**1.0034**

Executive Busy Overide

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**

Expensive Route Warning Tone- per system

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**

Facility Restriction Level - per system

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**

Feature Display

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.0083	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
2111	20C	Land	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
		Total	**0.0100**	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0002**

Group Intercom

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	3.1681	0.0288	0.0120	0.0045	0.0025	0.0026	0.0000	0.0505
2111	20C	Land	0.0118	0.0000	0.0001	0.0000	0.0000	0.0000		0.0002
2121	110C	Building	0.6331	0.0014	0.0039	0.0015	0.0005	0.0007		0.0080
		Total	**3.8130**	**0.0301**	**0.0160**	**0.0061**	**0.0030**	**0.0033**	**0.0000**	**0.0586**

Hot Line - per line

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	2.2154	0.0201	0.0084	0.0032	0.0018	0.0018	0.0000	0.0353
2111	20C	Land	0.0083	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4427	0.0010	0.0028	0.0010	0.0004	0.0005		0.0056
		Total	**2.6664**	**0.0211**	**0.0112**	**0.0042**	**0.0021**	**0.0023**	**0.0000**	**0.0410**

Hunting: Multiposition Circular Hunting

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	7.8284	0.0710	0.0296	0.0112	0.0062	0.0065	0.0000	0.1247
2111	20C	Land	0.0292	0.0000	0.0002	0.0001	0.0000	0.0000		0.0004
2121	110C	Building	1.5644	0.0034	0.0098	0.0037	0.0012	0.0017		0.0197
		Total	**9.4220**	**0.0744**	**0.0396**	**0.0150**	**0.0075**	**0.0082**	**0.0000**	**0.1448**

Hunting: Multiposition Hunt Queuing

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	6.1319	0.0557	0.0232	0.0088	0.0049	0.0051	0.0000	0.0977
2111	20C	Land	0.0229	0.0000	0.0002	0.0001	0.0000	0.0000		0.0003
2121	110C	Building	1.2254	0.0026	0.0076	0.0029	0.0010	0.0013		0.0155
		Total	**7.3801**	**0.0583**	**0.0311**	**0.0117**	**0.0059**	**0.0064**	**0.0000**	**0.1134**

Hunting: Multiposition Series Hunting

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	7.8284	0.0710	0.0296	0.0112	0.0062	0.0065	0.0000	0.1247
2111	20C	Land	0.0292	0.0000	0.0002	0.0001	0.0000	0.0000		0.0004
2121	110C	Building	1.5644	0.0034	0.0098	0.0037	0.0012	0.0017		0.0197
		Total	**9.4220**	**0.0744**	**0.0396**	**0.0150**	**0.0075**	**0.0082**	**0.0000**	**0.1448**

Hunting: Multiposition with Announcement in Queue

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	121.1764	1.0998	0.4589	0.1735	0.0964	0.1012	0.0000	1.9298
2111	20C	Land	0.4522	0.0000	0.0036	0.0014	0.0004	0.0005		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: Multiposition with Music in Queue

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital 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		0.0020
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**

Incoming Calls Barred

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	0.0566	0.0001	0.0004	0.0001	0.0000	0.0001		0.0007
		Total	**0.3407**	**0.0027**	**0.0014**	**0.0005**	**0.0003**	**0.0003**	**0.0000**	**0.0052**

International Direct Dial Blocking

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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
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 Short Hunt

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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		0.0010
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 Side Answer Supervision

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.8163	0.0074	0.0031	0.0012	0.0006	0.0007	0.0000	0.0130
2111	20C	Land	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.1631	0.0004	0.0010	0.0004	0.0001	0.0002		0.0021
		Total	**0.9825**	**0.0078**	**0.0041**	**0.0016**	**0.0008**	**0.0009**	**0.0000**	**0.0151**

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
Loudspeaker Paging - per trunk group										
2212	377C	Digital Switch	876.1069	7.9514	3.3179	1.2547	0.6970	0.7314	0.0000	13.9523
2111	20C	Land	3.2696	0.0000	0.0263	0.0099	0.0026	0.0035		0.0423
2121	110C	Building	175.0748	0.3767	1.0923	0.4131	0.1393	0.1863		2.2077
		Total	**1,054.4513**	**8.3281**	**4.4365**	**1.6777**	**0.8388**	**0.9212**	**0.0000**	**16.2023**
Make Busy Arrangements - per group										
2212	377C	Digital Switch	11.2994	0.1026	0.0428	0.0162	0.0090	0.0094	0.0000	0.1799
2111	20C	Land	0.0422	0.0000	0.0003	0.0001	0.0000	0.0000		0.0005
2121	110C	Building	2.2580	0.0049	0.0141	0.0053	0.0018	0.0024		0.0285
		Total	**13.5996**	**0.1074**	**0.0572**	**0.0216**	**0.0108**	**0.0119**	**0.0000**	**0.2090**
Make Busy Arrangements - per line										
2212	377C	Digital Switch	2.8249	0.0256	0.0107	0.0040	0.0022	0.0024	0.0000	0.0450
2111	20C	Land	0.0105	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.5645	0.0012	0.0035	0.0013	0.0004	0.0006		0.0071
		Total	**3.3999**	**0.0269**	**0.0143**	**0.0054**	**0.0027**	**0.0030**	**0.0000**	**0.0522**
Message Center - per main station line										
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**
Message Waiting Indication Audible/Visual										
2212	377C	Digital Switch	2.1128	0.0192	0.0080	0.0030	0.0017	0.0018	0.0000	0.0336
2111	20C	Land	0.0079	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4222	0.0009	0.0026	0.0010	0.0003	0.0004		0.0053
		Total	**2.5429**	**0.0201**	**0.0107**	**0.0040**	**0.0020**	**0.0022**	**0.0000**	**0.0391**
Message Waiting Visual										
2212	377C	Digital Switch	2.1128	0.0192	0.0080	0.0030	0.0017	0.0018	0.0000	0.0336
2111	20C	Land	0.0079	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4222	0.0009	0.0026	0.0010	0.0003	0.0004		0.0053
		Total	**2.5429**	**0.0201**	**0.0107**	**0.0040**	**0.0020**	**0.0022**	**0.0000**	**0.0391**
Music On Hold - per system										

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	903.0937	8.1963	3.4201	1.2933	0.7184	0.7539	0.0000	14.3821
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		2.2757
		Total	**1,086.9316**	**8.5847**	**4.5731**	**1.7294**	**0.8647**	**0.9496**	**0.0000**	**16.7014**

Network Speed Call

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		0.0000
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**	**0.0002**

Night Service Arrangement

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	0.0000	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**

Outgoing Calls Barred

2212	377C	Digital Switch	0.0212	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003
2111	20C	Land	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000		0.0001
		Total	**0.0256**	**0.0002**	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0004**

Outgoing Trunk Queuing

2212	377C	Digital Switch	2.3420	0.0213	0.0089	0.0034	0.0019	0.0020	0.0000	0.0373
2111	20C	Land	0.0087	0.0000	0.0001	0.0000	0.0000	0.0000		0.0001
2121	110C	Building	0.4680	0.0010	0.0029	0.0011	0.0004	0.0005		0.0059
		Total	**2.8187**	**0.0223**	**0.0119**	**0.0045**	**0.0022**	**0.0025**	**0.0000**	**0.0433**

Privacy Release

2212	377C	Digital Switch	0.1245	0.0011	0.0005	0.0002	0.0001	0.0001	0.0000	0.0020
2111	20C	Land	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.0249	0.0001	0.0002	0.0001	0.0000	0.0000		0.0003
		Total	**0.1499**	**0.0012**	**0.0006**	**0.0002**	**0.0001**	**0.0001**	**0.0000**	**0.0023**

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital 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	1.3792	0.0030	0.0086	0.0033	0.0011	0.0015		0.0174
		Total	**8.3070**	**0.0656**	**0.0350**	**0.0132**	**0.0066**	**0.0073**	**0.0000**	**0.1276**

Speed Calling 1 Digit Controller

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 1 Digit User

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 1# List Individual

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 2 Digit Controller

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 2 Digit User

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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**

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Speed Calling 2# List Individual

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 30 Number

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Calling 8 Number

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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**

Station Camp-On Service - per main station

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	322.3215	2.9253	1.2207	0.4616	0.2564	0.2691	0.0000	5.1331
2111	20C	Land	1.2029	0.0000	0.0097	0.0037	0.0010	0.0013		0.0156
2121	110C	Building	64.4104	0.1386	0.4019	0.1520	0.0512	0.0685		0.8122
		Total	**387.9348**	**3.0639**	**1.6322**	**0.6172**	**0.3086**	**0.3389**	**0.0000**	**5.9609**

Station Message Detail Recording (SMDR)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2212	377C	Digital Switch	0.9941	0.0090	0.0038	0.0014	0.0008	0.0008	0.0000	0.0158
2124	2124	General Purpose Computers	0.3882	0.0053	0.0015	0.0006	0.0003	0.0000	0.0000	0.0078
2111	20C	Land	0.0037	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2121	110C	Building	0.1987	0.0004	0.0012	0.0005	0.0002	0.0002		0.0025
		Total	**1.5847**	**0.0148**	**0.0066**	**0.0025**	**0.0013**	**0.0010**	**0.0000**	**0.0261**

Three Way Calling

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	1.9793	0.0043	0.0123	0.0047	0.0016	0.0021		0.0250

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**11.9212**	**0.0942**	**0.0502**	**0.0190**	**0.0095**	**0.0104**	**0.0000**	**0.1832**

Time and Date Display

2212	377C	Digital Switch	4.3182	0.0392	0.0164	0.0062	0.0034	0.0036	0.0000	0.0688
2111	20C	Land	0.0161	0.0000	0.0001	0.0000	0.0000	0.0000		0.0002
2121	110C	Building	0.8629	0.0019	0.0054	0.0020	0.0007	0.0009		0.0109
		Total	**5.1972**	**0.0410**	**0.0219**	**0.0083**	**0.0041**	**0.0045**	**0.0000**	**0.0799**

Time of Day Control for ARS - per system

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**

Time of Day NCOS 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**	**0.0041**

Time of Day Routing - per line

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		0.0001
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**	**0.0425**

Toll Restriction 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		0.0000
2121	110C	Building	0.0404	0.0001	0.0003	0.0001	0.0000	0.0000		0.0005
		Total	**0.2436**	**0.0019**	**0.0010**	**0.0004**	**0.0002**	**0.0002**	**0.0000**	**0.0037**

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	0.0000	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	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	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 group - per line

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 with Music After Delay

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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: U S WEST SMDR Study

Investment per Line	2124	$	0.39

Expense Per Line		$	0.05
Investment per Line	377C	$	0.99

SECTION C

Switch Component: Electronic Card

Source: Product Management

Electronic Business Set C Card	377C	18.9667

SGAT FEATURES

SOUTH DAKOTA

Switching Cost Model (SCM) Output

	Investment STUDY	SGAT Features	C		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

SGAT FEATURES

SOUTH DAKOTA

Switching Cost Model (SCM) Output

	Investment STUDY	SGAT Features	C		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	377C	CENTRON Outgoing Trunk Queuing Without Recorded Announcement
41	EF&I	US	5.790356159	0	0.341553092	6.1319092512	377C	CENTRON Queuing for MUPH
42	EF&I	US	266.5472107	0	55.77433014	322.3215408325	377C	CENTRON Station Camp On for Meridian Business Sets
43	EF&I	US	0.03498945	0	0.185514107	0.2205035575	377C	CENTRON Time of Day NCOS
44	EF&I	US	0.044498874	0	0.019605517	0.0641043909	377C	CENTRON Trunk Answer Any Station
45	EF&I	US	0	0	0	0.	377C	CENTRON Trunk Verification From a Designated Station
46	EF&I	US	0.425983883	0	0.773932144	1.1999160269	377C	CLASS Call Waiting ID (Name & Number with SS7)
47	EF&I	US	4.898814608	0	8.90022113	13.7990357385	377C	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	377C	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

SGAT FEATURES

SOUTH DAKOTA

Switching Cost Model (SCM) Output

	Investment							
	STUDY	**SGAT Features**	C		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 Activati
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

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

SGAT FEATURES

SOUTH DAKOTA

Switching Cost Model (SCM) Output

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

SGAT FEATURES

SOUTH DAKOTA

Switching Cost Model (SCM) Output

1	Investment							
2	STUDY	**SGAT Features**	C		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

SGAT FEATURES

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	
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	
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	

SGAT FEATURES

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					*Ln4*	$ 15.5098	
Call Waiting Originating	*Ln12*					$ 0.8562	
Call Waiting Terminating - All Calls	*Ln13*					$ 1.7157	
Call Waiting Terminating - Incoming Only	*Ln13*					$ 1.7157	
Call Waiting/ Cancel Call Waiting	*Ln97+Ln98*					$ 2.7464	
Centrex Plus DID numbers per number	*Ln4*					$ 1.5921	
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	
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	
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	

SGAT FEATURES

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

SGAT FEATURES

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	*Ln39*					$ 0.0121	
Night Service Arrangement	*Ln44*					$ 0.0641	
Outgoing Calls Barred	*Ln102*					$ 0.0212	
Outgoing Trunk Queuing	*Ln40*					$ 2.3420	
Privacy Release	*Ln83*					$ 0.1245	
Query Time	*Ln84*					$ 6.9020	
Speed Calling 1 Digit Controller	*Ln103*					$ 0.3950	
Speed Calling 1 Digit User	*Ln103*					$ 0.3950	
Speed Calling 1# List Individual	*Ln103*					$ 0.3950	
Speed Calling 2 Digit Controller	*Ln103*					$ 0.3950	
Speed Calling 2 Digit User	*Ln103*					$ 0.3950	
Speed Calling 2# List Individual	*Ln103*					$ 0.3950	
Speed Calling 30 Number	*Ln103*					$ 0.3950	
Speed Calling 8 Number	*Ln103*					$ 0.3950	
Station Camp-On Service - per main station	*Ln42*					$ 322.3215	
Station Message Detail Recording (SMDR)		*G129,130,131*				$ 0.9941	$ 0.3882
Three Way Calling	*Ln107*					$ 9.9049	
Time and Date Display	*Ln70*					$ 4.3182	
Time of Day Control for ARS - per system	*Ln116*					$ -	
Time of Day NCOS Update	*Ln43*					$ 0.2205	
Time of Day Routing - per line	*Ln6*					$ 2.2969	
Toll Restriction Service	*Ln105*					$ 0.2024	
Trunk Answer Any Station	*Ln44*					$ 0.0641	
Trunk Verification from Designated Station	*Ln45*					$ -	
UCD in hunt group - per line	*Ln85*				*Ln3+Ln5+Ln6*	$ 320.1219	
UCD with Music After Delay	*Ln21+Ln104*				*Ln5+Ln6*	$ 211.0895	

	Investment
(a) = Ln7+Ln14+Ln26+Ln27+Ln28+Ln34+Ln38+Ln59+ Ln60+Ln61+Ln62	$ 22.5517
(b) = 63+Ln64+Ln65+Ln66+Ln83+Ln84+Ln108+Ln109 Ln110+Ln111+Ln114	$ 31.7028

Expense
Total to: WINPC3 Investments Tab

Expense
Total to: WINPC3 Investments Tab

Expense
Total to: WINPC3 Investments Tab

Expense
Total to: WINPC3 Investments Tab
$ 0.0524

	A	B	C	D	E	F
1	Investment					
2	STUDY	SGAT FEATURES				
3	DATE	5/7/02				
4	GROUP	10XXX Direct Dialed Blocking				
5	LOADED	SD	0.0286040948	0.	0.	377C
6	GROUP	Account Codes - per system				
7	LOADED	SD	292.7793721328	0.	0.	377C
8	GROUP	Attendant Access Line - per station line				
9	LOADED	SD	0.2339898885	0.	0.	377C
10	GROUP	Audible Message Waiting				
11	LOADED	SD	2.1127970487	0.	0.	377C
12	GROUP	Authorization Codes - per system				
13	LOADED	SD	123.0424553908	0.	0.	377C
14	GROUP	Auto Callback				
15	LOADED	SD	0.3163682349	0.	0.	377C
16	GROUP	Automatic Line				
17	LOADED	SD	0.	0.	0.	377C
18	GROUP	Automatic Route Selection - Common Equip. per system				
19	LOADED	SD	84.1903247683	0.	0.	377C
20	GROUP	Blocking of pay per call services				
21	LOADED	SD	1.2874807869	0.	0.	377C
22	GROUP	Bridging				
23	LOADED	SD	0.0154332793	0.	0.	377C
24	GROUP	Call Drop				
25	LOADED	SD	0.0035807712	0.	0.	377C
26	GROUP	Call Exclusion - Automatic				
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 Answer - All Calls				
31	LOADED	SD	2.3204442591	0.	0.	377C
32	GROUP	Call Forwarding Incoming Only				
33	LOADED	SD	0.2393763424	0.	0.	377C
34	GROUP	Call Forwarding Intra Group Only				

	A	B	C	D	E	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 Line (Expanded)				
39	LOADED	SD	0.7456667938	0.	0.	377C
40	GROUP	Call Forwarding: Busy Line (External)				
41	LOADED	SD	0.7456667938	0.	0.	377C
42	GROUP	Call Forwarding: Busy Line (External) Don't Answer				
43	LOADED	SD	3.0661110529	0.	0.	377C
44	GROUP	Call Forwarding: Busy Line (Overflow)				
45	LOADED	SD	0.7456667938	0.	0.	377C
46	GROUP	Call Forwarding: Busy Line (Overflow) Don't Answer				
47	LOADED	SD	3.0661110529	0.	0.	377C
48	GROUP	Call Forwarding: Busy Line (Programmable)				
49	LOADED	SD	1.061792489	0.	0.	377C
50	GROUP	Call Forwarding: Busy Line/Don't Answer (Expanded)				
51	LOADED	SD	3.0661110529	0.	0.	377C
52	GROUP	Call Forwarding: Don't Answer				
53	LOADED	SD	2.3204442591	0.	0.	377C
54	GROUP	Call Forwarding: Don't Answer (Expanded)				
55	LOADED	SD	2.3204442591	0.	0.	377C
56	GROUP	Call Forwarding: Don't Answer (Programmable)				
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 - no call complete option				
61	LOADED	SD	1.2052431216	0.	0.	377C
62	GROUP	Call Hold				
63	LOADED	SD	0.3269010176	0.	0.	377C
64	GROUP	Call Hold/3-Way/Call Transfer				
65	LOADED	SD	9.9048824346	0.	0.	377C
66	GROUP	Call Park (Basic - Store & Retrieve)				
67	LOADED	SD	0.7480471261	0.	0.	377C
68	GROUP	Call Pickup				

	A	B	C	D	E	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 Originating				
73	LOADED	SD	0.4316346107	0.	0.	377C
74	GROUP	Call Waiting Indication - 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 numbers per number				
85	LOADED	SD	1.5921492024	0.	0.	377C
86	GROUP	Centrex Plus to Centrex Plus				
87	LOADED	SD	204.0224570838	0.	0.	377C
88	GROUP	Centrex Plus to IC Carrier				
89	LOADED	SD	204.0224570838	0.	0.	377C
90	GROUP	Centrex Plus to PBX/Key Blocked				
91	LOADED	SD	204.0224570838	0.	0.	377C
92	GROUP	Centrex Plus to PBX/Key Non-Blocked				
93	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				
97	LOADED	SD	0.7456667938	0.	0.	377C
98	GROUP	CFDA Incoming Only				
99	LOADED	SD	0.3262693882	0.	0.	377C
100	GROUP	CLASS - Anonymous Call Rejection				
101	LOADED	SD	10.0729228063	0.	0.	377C
102	GROUP	CLASS - Call Waiting ID				

	A	B	C	D	E	F
103	LOADED	SD	1.1999160269	0.	0.	377C
104	GROUP	CLASS - Calling Name & Number				
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 Redial				
111	LOADED	SD	8.8185062859	0.	0.	377C
112	GROUP	CLASS - Last Call Return				
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 Forwarding				
117	LOADED	SD	4.3257741859	0.	0.	377C
118	GROUP	CLASS - Selective Call Rejection				
119	LOADED	SD	9.9916860072	0.	0.	377C
120	GROUP	Custom Ringing First Line (Short/Long/Short)				
121	LOADED	SD	0.5252900288	0.	0.	377C
122	GROUP	Custom Ringing First Line (Short/Short)				
123	LOADED	SD	0.5252900288	0.	0.	377C
124	GROUP	Custom Ringing First Line (Short/Short/Long)				
125	LOADED	SD	0.5252900288	0.	0.	377C
126	GROUP	Custom Ringing Second Line (Short/Long/Short)				
127	LOADED	SD	0.4927220875	0.	0.	377C
128	GROUP	Custom Ringing Second Line (Short/Short)				
129	LOADED	SD	0.4927220875	0.	0.	377C
130	GROUP	Custom Ringing Second Line (Short/Short/Long)				
131	LOADED	SD	0.4927220875	0.	0.	377C
132	GROUP	Custom Ringing Third Line (Short/Long/Short)				
133	LOADED	SD	0.393967514	0.	0.	377C
134	GROUP	Custom Ringing Third Line (Short/Short)				
135	LOADED	SD	0.393967514	0.	0.	377C
136	GROUP	Custom Ringing Third Line (Short/Short/Long)				

	A	B	C	D	E	F
137	LOADED	SD	0.393967514	0.	0.	377C
138	GROUP	Data Call Protection (DMS 100)				
139	LOADED	SD	0.	0.	0.	377C
140	GROUP	Dir Sta Sel/Busy Lamp Fld 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 without Barge-in				
145	LOADED	SD	1.1351627647	0.	0.	377C
146	GROUP	Distinctive Ring/Distinctive 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 Warning Tone- per system				
155	LOADED	SD	0.	0.	0.	377C
156	GROUP	Facility Restriction Level - per system				
157	LOADED	SD	0.	0.	0.	377C
158	GROUP	Feature Display				
159	LOADED	SD	0.0083108541	0.	0.	377C
160	GROUP	Group Intercom				
161	LOADED	SD	3.1681159735	0.	0.	377C
162	GROUP	Hot Line - per line				
163	LOADED	SD	2.2154381977	0.	0.	377C
164	GROUP	Hunting: Multiposition Circular Hunting				
165	LOADED	SD	7.8284273483	0.	0.	377C
166	GROUP	Hunting: Multiposition Hunt Queuing				
167	LOADED	SD	6.1319092512	0.	0.	377C
168	GROUP	Hunting: Multiposition Series Hunting				
169	LOADED	SD	7.8284273483	0.	0.	377C
170	GROUP	Hunting: Multiposition with Announcement in Queue				

	A	B	C	D	E	F
171	LOADED	SD	121.1764373318	0.	0.	377C
172	GROUP	Hunting: Multiposition with 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 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 Supervision				
181	LOADED	SD	0.8163477805	0.	0.	377C
182	GROUP	Loudspeaker Paging - per trunk group				
183	LOADED	SD	876.1068706576	0.	0.	377C
184	GROUP	Make Busy Arrangements - per group				
185	LOADED	SD	11.2994359732	0.	0.	377C
186	GROUP	Make Busy Arrangements - per line				
187	LOADED	SD	2.8248589933	0.	0.	377C
188	GROUP	Message Center - per main station line				
189	LOADED	SD	0.	0.	0.	377C
190	GROUP	Message Waiting Indication Audible/Visual				
191	LOADED	SD	2.1127970487	0.	0.	377C
192	GROUP	Message Waiting Visual				
193	LOADED	SD	2.1127970487	0.	0.	377C
194	GROUP	Music On Hold - per system				
195	LOADED	SD	903.0936621216	0.	0.	377C
196	GROUP	Network Speed Call				
197	LOADED	SD	0.0120673553	0.	0.	377C
198	GROUP	Night Service Arrangement				
199	LOADED	SD	0.0641043909	0.	0.	377C
200	GROUP	Outgoing Calls Barred				
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				

	A	B	C	D	E	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 Controller				
209	LOADED	SD	0.3949747644	0.	0.	377C
210	GROUP	Speed Calling 1 Digit User				
211	LOADED	SD	0.3949747644	0.	0.	377C
212	GROUP	Speed Calling 1# List Individual				
213	LOADED	SD	0.3949747644	0.	0.	377C
214	GROUP	Speed Calling 2 Digit Controller				
215	LOADED	SD	0.3949747644	0.	0.	377C
216	GROUP	Speed Calling 2 Digit User				
217	LOADED	SD	0.3949747644	0.	0.	377C
218	GROUP	Speed Calling 2# List Individual				
219	LOADED	SD	0.3949747644	0.	0.	377C
220	GROUP	Speed Calling 30 Number				
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 - per main station				
225	LOADED	SD	322.3215408325	0.	0.	377C
226	GROUP	Station Message Detail Recording (SMDR)				
227	LOADED	SD	0.9941	0.	0.	377C
228	LOADED	SD	0.3882049027	0.	0.	2124
229	COMMON	SD	0.0523683155	0.	0.	
230	GROUP	Three Way Calling				
231	LOADED	SD	9.9048824346	0.	0.	377C
232	GROUP	Time and Date Display				
233	LOADED	SD	4.3181664893	0.	0.	377C
234	GROUP	Time of Day Control for ARS - per system				
235	LOADED	SD	0.	0.	0.	377C
236	GROUP	Time of Day NCOS Update				
237	LOADED	SD	0.2205035575	0.	0.	377C
238	GROUP	Time of Day Routing - per line				

	A	B	C	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 Station				
243	LOADED	SD	0.0641043909	0.	0.	377C
244	GROUP	Trunk Verification from Designated Station				
245	LOADED	SD	0.	0.	0.	377C
246	GROUP	UCD in hunt group - per line				
247	LOADED	SD	320.1218955479	0.	0.	377C
248	GROUP	UCD with Music After Delay				
249	LOADED	SD	211.0895155403	0.	0.	377C

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	ACFIN													
2	02SD01E													
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

	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1														
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	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
5	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL
6	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP	GENL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 02V1.*												
5	*-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 02/02.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 02/02.*												
10	*-DIRECTLY ASSIGNED expense factors released 04/02.*												
11	*-BUSINESS FEES released 04/02.*												
12	*-COMMON Expense released 04/02.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 01/01.*												
14	*-POWER investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 02/02.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 04/02.*												
20	*-SALES EXPENSE factor released 04/02.*												
21	*-PRODUCT MANAGEMENT factor released 04/02.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
37															
38	State:	South Dakota													
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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
37													
38													
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.
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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'
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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.

Year of Investments: 2002

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	Busy Hour Activations per Calling Name Delivery Line	0.0001
Called Name Display - Customer Activated	BH Calling Name Delivery Term. Call Att's per CNAMD Line	1.1200
Called Name Display - Customer Activated	Busy Hour Deactivations per Calling Name Delivery Line	0.0001
Called Name Display - Customer Activated	Percent of SW2 Lines with CND or BCLID or MWI or CNAMD	25.0000
CENTRON		
Call Waiting - 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 Waiting	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	Busy Hour Term. Call Attempts per Line with Distinctive Ringing	0.5000
Distinctive Ringing	Percent of Term. Call Attempts that get Distinctive Ringing	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	BH Terminating Call Attempts per Loudspeaker Paging Analog Trunk	23.0000
Loudspeaker Paging - Analog Trunk	Loudspeaker Paging Analog Trunk or Ofc. Holding Time (CCS/Call)	0.0870
CENTRON		
Make Set Busy - Intragroup	Busy Hour MSB All Call Attempts per MSB Line	2.0000
CENTRON		

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 Hold for P-Phones	Busy Hour Music On Hold Attempts per MOH Line	0.0010
Music On Hold for P-Phones	Average Office Holding Time (CCS per Call)	1.2000
CENTRON		
Network Speed Call	Busy Hour Network Speed Call Attempts per NSC Line	0.0200
CENTRON		
Station Camp On for Meridian Business Sets	Busy Hour Camp On Call Attempts per Camp On Line	10.0000
Station Camp On for Meridian 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 Call 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		

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Automatic Callback Calling/Ring Again	Busy Hour Ring Again Call Attempts per Ring Again Line	0.0010
Automatic Callback Calling/Ring Again	Busy Hour Ring Again Deactvations per Ring Again Line	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	Holding time per Privacy Release Call	1.2000
Privacy Release	Percentage of Calls that Bridge after PR Activated	10.0000
MODEL		
Query Time	Busy Hour Activations per Query Time Call	1.2000
Query Time	Busy Hour Query Time Call Attempts per	0.0500
MODEL		
Uniform Call Distribution	Busy Hour per UCD Call Attempts per UCD Line	12.2181
TRUNK		
Digital Private Facilities Acc-Origination Ofc (L-T)	BH Originating Private Facility Access Att's/Private Fac Trunk	5.5400
Digital Private Facilities Acc-Origination Ofc (L-T)	Number of Digits in Private Facility Access Code	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)	Private Facility Access or Office Holding Time (CCS per Call)	1.8000
Digital Private Facilities Acc-Origination Ofc (L-T)	Average Number of Outpulsed Digits Dialed after PF Access Code	0.0000
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	Busy Hour Call Park Call Attempts per Call Park Line	0.0100
Call Park Store	Call Park or Office Holding Time (CCS per Call)	1.2000
CENTRON		
Call Pickup	Busy Hour Call Pickup Call Attempts per Call Pickup Line	0.0328
CENTRON		
Message Waiting 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		

Year of Investments: 2002

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Calling Number Delivery - IEO Permanent	Busy Hour IEO CND Term. Call Attempts per IEO CND Line	1.0000
Calling Number Delivery - IEO Permanent	Percent of SW2 Lines with CND or BCLID or MWI or CNAMD	10.1936
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		
Continuous Redial - IAO	Busy Hour IAO Continuous Redial Term. Call Att's per IAO CR Line	0.0325
Continuous Redial - IAO	Percent Continuous Redial Calls that are Delay Processed	100.0000
Continuous Redial - IAO	Percent of Working Lines with Cont. Redial or Last Call Return	5.0000
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
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
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	0.1000
Priority Calling	Percent of SW1 Lines with Auto Customer Station Rearrangement	0.0001
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	3.0000
Selective Call Forwarding	Busy Hour SCF Calls Forwarded/Line with SCF	0.1000
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
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	Busy Hour Terminating Call Attempts per Line with SCR	3.0000
Selective Call Rejection	Busy Hour Call Rejections per Line with SCR	0.1000
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

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
Selective Call Rejection	Percent of Screen List Editing Additions that are Interoffice	70.0000
CLASS		
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 Waiting	Busy Hour Call Waiting Call Attempts per CW Line	0.1500
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		
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		

Year of Investments: 2002

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
MADN Bridging - 3WC	Busy Hour MADN Bridging Call Attempts per MADN Line	0.0014
MADN Bridging - 3WC	MADN Bridging or Office Holding Time (CCS per Call)	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	Busy Hour DCPU-BI Call Attempts per DCPU-BI Line	0.0750
Directed Call Pickup with Barge-in	DCPU-BI or Office Holding Time (CCS per Call)	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	Avg. number of Lines within Group (for $/Line not $/System)	10.0000
Delayed Announcements for MUPH Queue	BH Delayed Announcement Call Attempts per MUPH Queue System/Line	0.6109
CENTRON		
Music in Queue - Multi-Position Hunt Group	Avg. number of Lines within Group (for $/Line not $/System)	10.0000
Music in Queue - Multi-Position Hunt Group	Busy Hour Music in Queue - MUPH Attempts per MUPH Line	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

Year of Investments: 2002

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

Year of Investments: 2002

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
POTS		
Distinctive Ringing	Busy Hour Term. Call Attempts per Line with Distinctive Ringing	1.4000
Distinctive Ringing	Number of Secondary Phone Numbers	2.0000
Distinctive Ringing	Percent of Term. Call Attempts that get Distinctive Ringing	67.0000

FEATURE DESCRIPTION	FEATURE INPUT DESCRIPTION	FEATURE INPUT VALUE
POTS		
Distinctive Ringing	Busy Hour Term. Call Attempts per Line with Distinctive Ringing	1.5000
Distinctive Ringing	Number of Secondary Phone Numbers	3.0000
Distinctive Ringing	Percent of Term. Call Attempts that get Distinctive Ringing	75.0000

SCM UCD Inputs

SWITCHING COST MODEL - MULTIPLE FEATURE INVESTMENT REPORT
(Engineered, Furnished and Installed - 377C)

Year of Investments: 2002

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	Avg. number of Lines within Group (for $/Line not $/System)	20.0000
Music in Queue - Multi-Position Hunt Group	Busy Hour Music In Queue - MUPH Attempts per MUPH Line	12.2181
CENTRON		
Queuing for MUPH	Busy Hour MUPH Queuing Attempts per MUPH Line/System	12.2181
CENTRON		
Delayed Announcements for MUPH Queue	Avg. number of Lines within Group (for $/Line not $/System)	20.0000
Delayed Announcements for MUPH Queue	BH Delayed Announcement Call Attempts per MUPH Queue System/Line	12.2181

VERSION	10.02				
REPORT (	NONE				
INVESTME	Direct - Category 1=YE	Direct - Category 2=YES			
OUTPUT (	Office Nam	Project Inputs=YES			
STUDY FIL	J:\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		
CENTRON	CENTRON	Automatic I	Line		0
Busy Hour	1	0	100		
CENTRON	CENTRON	Call Forwa	Line		0
Busy Hour	0.308	0	100		
CENTRON	CENTRON	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		
CENTRON	CENTRON	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	0	100		
CENTRON	CENTRON	DSS - Bus	Line		0
Busy Hour	52	0	100		
CENTRON	CENTRON	Executive I	Line		0
Busy Hour	0.01	0	100		
CENTRON	CENTRON	Expensive	Line		0
Busy Hour	30	0	1000		
CENTRON	CENTRON	Facility Re	Line		0
Busy Hour	60	0	1000		
CENTRON	CENTRON	Fast Trans	Line		0
Busy Hour	0.22	0	100		
CENTRON	CENTRON	Group Inte	Line		0

Busy Hour	0.5	0	100	
CENTRON	CENTRON	Group Inte	Line	0
Busy Hour	0.5	0	100	
CENTRON	CENTRON	Loudspeak	Line	1
BH Termin	23	0	100	
Loudspeak	0.087	0	100	
CENTRON	CENTRON	Make Set	Line	0
Busy Hour	2	0	100	
CENTRON	CENTRON	Message V	Line	0
Busy Hour	0.072	0	100	
CENTRON	CENTRON	Message V	Line	1
Busy Hour	0.5	0	100	
Busy Hour	0.5	0	100	
CENTRON	CENTRON	Music On	Line	1
Avg. numb	10	0	200	
Busy Hour	134	0	200	
CENTRON	CENTRON	Music On	Line	1
Busy Hour	0.001	0	100	
Average O	1.2	0	100	
CENTRON	CENTRON	Network S	Line	0
Busy Hour	0.02	0	100	
CENTRON	CENTRON	Station Ca	Line	1
Busy Hour	10	0	100	
Average O	1.2	0	100	
POTS	POTS	Three Way	per Line	1
Busy Hour	0.1575	0	100	
3WC or Of	1.6	0	100	
CENTRON	CENTRON	Time of Da	Line	0
Busy Hour	0.67	0	100	
CENTRON	CENTRON	Trunk Ans	Line	0
Busy Hour	0.01	0	100	
CENTRON	CENTRON	Trunk Veri	Line	-1
EBS	EBS	Business S	Line	2
Busy Hour	0.0358	0	100	
Busy Hour	0.104	0	100	
Busy Hour	0.0358	0	100	
EBS	EBS	Business S	Line	0
Busy Hour	0.001	0	100	
EBS	EBS	Key Short	Line	0
Busy Hour	0.5	0	100	
EBS	EBS	Multiple Ex	Line	0
Busy Hour	0.5	0	100	
EBS	EBS	Origination	Line	0
Busy Hour	1.12	0	100	
EBS	EBS	Origination	Line	0
Busy Hour	0.96	0	100	
EBS	EBS	Origination	Line	0
Busy Hour	1.12	0	100	
FCC	FCC	Calling Nu	Line	1
Busy Hour	0.96	0.0001	100	
Percent of	25	0	100	
ISDN FEA	ISDN FEA	System Mu	Line	1

Avg. numb	1	0	200	
Busy Hour	134	0	200	
ISDN FEA	ISDN FEA	Automatic	Line	1
Busy Hour	0.001	0	100	
Busy Hour	0.0001	0	100	
MODEL	MODEL	Hot Line	Line	0
Busy Hour	1	0	100	
MODEL	MODEL	Account C	Line	0
Busy Hour	155	0	100	
MODEL	MODEL	Authorizati	Line	0
Busy Hour	40	0	100	
MODEL	MODEL	Privacy Re	Line	2
Busy Hour	0.01	0	100	
Holding tim	1.2	0	100.0001	
Percentage	10	0	100	
MODEL	MODEL	Query Tim	Line	1
Busy Hour	1.2	0	400	
Busy Hour	0.05	0	1000	
MODEL	MODEL	Uniform Ca	per Line	0
Busy Hour	12.2181	0	100	
TRUNK	TRUNK	Digital Priv	Line	4
BH Origina	5.54	1	9	
Number of	3	0	100	
Average N	6.5	0	100	
Private Fac	1.8	0	100	
Average N	0	0	100	
TRUNK	TRUNK	Digital Priv	Line	2
BH Termin	5.54	0	100	
Private Fac	1.8	0	100	
Average N	6.58	0	100	
POTS	POTS	Speed Call	Line	1
Busy Hour	0.0001	0	100	
Busy Hour	0.0703	0	100	
POTS	POTS	Call Forwa	Line	0
Busy Hour	0.15	0	100	
POTS	POTS	Call Forwa	Line	0
Busy Hour	0.2821	0	100	
CENTRON	CENTRON	Call Hold	Line	0
Busy Hour	0.018	0	100	
CENTRON	CENTRON	Call Park F	Line	0
Busy Hour	0.01	0	100	
CENTRON	CENTRON	Call Park S	Line	1
Busy Hour	0.01	0	100	
Call Park o	1.2	0	100	
CENTRON	CENTRON	Call Picku	Line	0
Busy Hour	0.0328	0	100	
CENTRON	CENTRON	Message V	Line	0
Busy Hour	0.2145	0	100	
CLASS	CLASS	Call Waitin	per Line	0
Busy Hour	0.08	0	100	
CLASS	CLASS	Calling Nu	Line	1
Busy Hour	1	0.0001	100	

Percent of	10.1936	0	100	
CLASS	CLASS	Calling Nur	Line	0
Busy Hour	1.2	0	100	
CLASS	CLASS	Calling Nur	Line	0
Busy Hour	1.2	0	100	
CLASS	CLASS	Continuous	Line	2
Busy Hour	0.0325	0	100	
Percent Cc	100	0.0001	100	
Percent of	5	0	100	
CLASS	CLASS	Continuous	Line	2
Busy Hour	0.0759	0	100	
Percent Cc	100	0.0001	100	
Percent of	5	0	100	
CLASS	CLASS	Last Call R	Line	2
Busy Hour	0.0009	0	100	
Percent La	17	0.0001	100	
Percent of	5	0	100	
CLASS	CLASS	Last Call R	Line	2
Busy Hour	0.0022	0	100	
Percent La	17	0.0001	100	
Percent of	5	0.0001	100	
CLASS	CLASS	Priority Cal	per Line	10
Busy Hour	0.05	0	100	
Busy Hour	3	0.0001	100	
Busy Hour	0.1	0	100.0001	
Percent of	0.0001	0.0001	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	0	100	
Percent of	70	0.0001	100	
CLASS	CLASS	Selective C	Line	10
Busy Hour	0.05	0	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	0.0001	0.0001	100.0001	
Percent of	1	0	100.0001	
Percent of	3.35	0	100	
Screen List	3	0	100	
Percent of	70	0.0001	100	
CLASS	CLASS	Selective C	Line	10
Busy Hour	0.05	0	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 Lisi	3	0	100	
Percent of	70	0	100	
CLASS	CLASS	Unidentifie	Line	4
Busy Hour	0.01	0.01	100	
Busy Hour	3	0	100	
Busy Hour	0.001	0.0001	100	
Busy Hour	0.1	0	200000	
Average Nı	5204	0	100000	
POTS	POTS	Call Waitin	Line	0
Busy Hour	0.15	0	100	
POTS	POTS	Cancel Cal	Line	0
Busy Hour	0.15	0	100	
POTS	POTS	Call Forwa	Line	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
Busy Hour	0.011	0	100	
Busy Hour	0.0213	0	100	
Busy Hour	0.0077	0	100	
POTS	POTS	Call Forwa	Line	2
Busy Hour	0.0076	0	100	
Busy Hour	0.0831	0	100	
Busy Hour	0.0077	0	100	
POTS	POTS	Call Forwa	Line	2
Busy Hour	0.0076	0	100	
Busy Hour	0.0831	0	100	
Busy Hour	0.0043	0	100	
POTS	POTS	Call Forwa	Line	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	
Busy Hour	0.0043	0	100	
POTS	POTS	Call Forwa	Line	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	
Busy Hour	0.0043	0	100	
POTS	POTS	Distinctive	Line	2
Busy Hour	2	0	100.0001	
Percent of	50	0	100	
Number of	1	0	100	
CLASS	CLASS	Calling Nar	per Line	0
Busy Hour	0.92	0	100	
CENTRON	CENTRON	10XXX Spl	per Line	0
Busy Hour	0.05	0	100	
POTS	POTS	Block Pay		per Line	0

Percent of	5	0	100	
CENTRON	CENTRON	MADN Bric	per Line	1
Busy Hour	0.001443	0	100	
MADN Bric	0.36	0	100	
ISDN BASI	ISDN BASI	Auto Drop	per Line	0
Busy Hour	0.00481	0	100	
ISDN MAD	ISDN MAD	MADN - Au	per Line	0
Busy Hour	0.000144	0	100	
ISDN MAD	ISDN MAD	MADN - Ma	per Line	0
Busy Hour	0.000144	0	100	
ISDN FEA	ISDN FEA	Call Forwa	per Line	0
Busy Hour	0.05	0	100	
ISDN FEA	ISDN FEA	Call Forwa	per Line	0
Busy Hour	0.011	0	100	
ISDN FEA	ISDN FEA	Call Forwa	per Line	0
Busy Hour	0.0911	0	100	
ISDN FEA	ISDN FEA	Call Forwa	per Line	0
Busy Hour	0.09	0	100	
CENTRON	CENTRON	Directed Ca	per Line	1
Busy Hour	0.075	0	100	
DCPU-BI o	1.6	0	100	
CENTRON	CENTRON	Directed Ca	per Line	0
Busy Hour	0.15	0	100	
ISDN BASI	ISDN BASI	Feature Dis	per Line	0
Busy Hour	0.0025	0	100	
CENTRON	CENTRON	Queuing fo	per Line	0
Busy Hour	0.610904	0	200	
CENTRON	CENTRON	Multiline Hu	per Line	0
Busy Hour	12.21809	0	100	
CENTRON	CENTRON	Delayed Ar	per Line	1
Avg. numb	10	0	10	
BH Delaye	0.610904	0	200	
CENTRON	CENTRON	Music in Qu	per Line	1
Avg. numb	10	0	100	
Busy Hour	0.610904	0.0001	100	
POTS	POTS	Incoming C	per Line	0
Busy Hour	0.1	0	100	
POTS	POTS	Internationa	per Line	0
Busy Hour	0.05	0	100	
FCC	FCC	Answer Su	per Line	0
Busy Hour	2	0	200	
POTS	POTS	Outgoing C	per Line	0
Busy Hour	0.0075	0	100	
CENTRON	CENTRON	Outgoing T	per Line	0
Busy Hour	0.610904	0	100	
POTS	POTS	Toll Restric	per Line	0
Busy Hour	0.0715	0	100	
ISDN FEA	ISDN FEA	Key Short I	per Line	0
Busy Hour	5	0	100	
ISDN BASI	ISDN BASI	Time and D	per 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 (Office Nam Project Inputs=YES

STUDY FIL	J:\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!	1			
POTS	POTS	Distinctive	per Line	2
Busy Hour	1.4	0	100.0001	
Number of	2	0	100	
Percent of	67	0	100	

SELECT IN ALL

SHOW FO NO

VERSION 10.02

REPORT NONE

INVESTME Direct - Category 1=Y Direct - Category 2=YES

OUTPUT Office Nam Project Inputs=YES

STUDY FIL J:\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	1			
POTS	POTS	Distinctive	per Line	2
Busy Hour	1.5	0	100.0001	
Number of	3	0	100	
Percent of	75	0	100	

SELECT I ALL

SHOW FO NO

VERSION	10.02			

REPORT (	NONE			

INVESTME	Direct - Category 1=YI		Direct - Category 2=YES	

OUTPUT (	Office Narr	Project Inputs=YES		

STUDY FIL	J:\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!	4			
CENTRON	CENTRON	Message V	Line	0
Busy Hour	0.2145	0	100	
CENTRON	CENTRON	Music in Q	Line	1
Avg. numb	20	0	100	
Busy Hour	12.2181	1	100	
CENTRON	CENTRON	Queuing fo	Line	0
Busy Hour	12.2181	0	200	
CENTRON	CENTRON	Delayed 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 Forward Don't Answer - All Calls	EVDHG	CALL FORWARDING - DON'T ANSWER - PER HUNT GROUP; OVERFLOW 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
Call Forwarding Variable Remote	NLUAA	DISCOUNTED FEATURE OR PACKAGE - REMOTE ACCESS CALL 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
Call Forwarding Variable Remote	RCFVE	REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH; INTERSTATE CALL FORWARDING; MARKET EXPANSION LINE; IN CENTRAL-NONSTANDARD USE 'T' SUFFIX	DALP0152	156	0.041238791	6.433251343
Call Forwarding Variable Remote	RCFVS	REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH; INTRASTATE CALL FORWARDING; MARKET EXPANSION LINE; IN CENTRAL-NONSTANDARD USE 'T' SUFFIX	DALP0152	142	0.041238791	5.855908273
Call Forwarding: Busy Line (Overflow)	EVBHG	CALL FORWARDING - BUSY LINE - PER HUNT GROUP; FOR LAST LINE - DMS-100	DALP0152	1	0.01941728	0.01941728
Call Forwarding: Busy Line (Overflow)	EVK	CALL FORWARDING - BUSY LINE - DON'T ANSWER - WITHIN THE CO-OVERFLOW	DALP0152	195	0.01941728	3.786369556
Call Forwarding: Busy Line (Overflow)	EVO	CALL FORWARDING - BUSY LINE - WITHIN THE CO-OVERFLOW	DALP0152	2607	0.01941728	50.62084837
Call Forwarding: Busy Line (Overflow)	EVOHG	CALL FORWARDING - BUSY LINE - PER HUNT GROUP; OVERFLOW FOR LAST LINE - DMS-100	DALP0152	1	0.01941728	0.01941728
Call Forwarding: Busy Line (Programmable)	ERB	CALL FORWARDING - BUSY LINE - WITH CUSTOMER ACTIVATION, DEACTIVATION & CHANGE CAPABILITY; PROGRAMMABLE	DALP0152	4	0.027649242	0.110596969
Call Forwarding: Busy Line/Don't Answer (Expanded)	EVF	CALL FORWARDING - BUSY LINE - DON'T ANSWER - FORWARD TO OUTSIDE NUMBER; WITHIN THE C.O.-EXTERNALTO CUSTOMER SYSTEM	DALP0152	997	0.079842011	79.60248467
Call Forwarding: Busy Line/Don't Answer (Expanded)	EVFHG	CALL FORWARDING - BUSY LINE - DON'T ANSWER - FORWARD TO OUTSIDE NUMBER - PER HUNT GROUP; FOR LAST LINE- DMS 100	DALP0152	5	0.079842011	0.399210054
Call Forwarding: Busy Line/Don't Answer (Expanded)	FVJ	CALL FORWARDING - BUSY LINE - DON'T ANSWER TO A NUMBER OUTSIDE CO; EXPANDED CALL FORWARDING	DALP0152	718	0.079842011	57.32656369
Call Forwarding: Busy Line/Don't Answer (Expanded)	FVJHG	CALL FORWARDING - BUSY LINE - DON'T ANSWER TO A NUMBER OUTSIDE CO - PER HUNT GROUP; FOR LAST LINE - DMS-100	DALP0152	1	0.079842011	0.079842011
Call Forwarding: Don't Answer	ERD	CALL FORWARDING - DON'T ANSWER - WITH CUSTOMER ACTIVATION, DEACTIVATION & CHANGE CAPABILITY; PROGRAMMABLE	DALP0152	7	0.060424731	0.422973117
Call Forwarding: Don't Answer	ES7	CALL WAITING - CALL FORWARDING	DALP0152	243	0.060424731	14.68320962
Call Forwarding: Don't Answer	EVD	CALL FORWARDING - DON'T ANSWER; WITHIN THE C.O.-EXTERNAL TO CUSTOMER SYSTEM	DALP0152	576	0.060424731	34.80464502
Call Forwarding: Don't Answer	FDJ	CALL FORWARDING - DON'T ANSWER TO A NUMBER OUTSIDE CO - EXPANDED CALL FORWARDING	DALP0152	178	0.060424731	10.75560211
Call Forwarding: Don't Answer	FDJHG	CALL FORWARDING - DON'T ANSWER TO A NUMBER OUTSIDE CO - PER 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
Call Forwarding: Variable	RCFVF	REMOTE CALL FORWARDING - BUSINESS - FIRST ACCESS PATH; MEASURED LOCAL CALL FORWARDING	DALP0152	456	0.031384719	14.31143192
Call Forwarding: Variable - no call complete 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 Waiting 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	0.071516485	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
CFBL - All Calls	FBJ	CALL FORWARDING - BUSY LINE TO A NUMBER OUTSIDE CO; EXPANDED CALL FORWARDING	DALP0152	3024	0.01941728	58.71785403
CFBL - Incoming Only	EVB	CALL FORWARDING - BUSY LINE; WITHIN THE C.O.-EXTERNAL TO CUSTUMER SYSTEM	DALP0152	138	0.01941728	2.679584609
CLASS - Anonymous Call Rejection	AYK	C.L.A.S.S. - ANONYMOUS CALLER REJECTION	DALP0152	77523	0.262300483	20334.32035
CLASS - Anonymous Call Rejection	N6SD1		DALP0152	7	0.262300483	1.836103382
CLASS - Call Waiting ID	EYYXW	CUSTOM CALLING & LINE FEATURE PACKAGE - PRESET PACKAGE WITH CALL WAITING ID	DALP0152	125	0.031246001	3.905750094
CLASS - Call Waiting ID	N2W	CALL WAITING - TERMINATING AND CALL WAITING DISPLAY - C.L.A.S.S. 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
CLASS - Call Waiting ID	PKQ	CALL WAITING DISPLAY WITH DISPOSITION ASSOCIATED WITH VOICE MESSAGING SERVICE	DALP0152	974	0.031246001	30.43360473
CLASS - Call Waiting ID	PKR	CALL WAITING DISPLAY WITH DISPOSITION - NOT ASSOCIATED WITH 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
CLASS - Calling Number Delivery - Blocking	NKS	C.L.A.S.S. - CALLING NAME & NUMBER DELIVERY - BLOCKING - 2ND RATE LEVEL; PER LINE	DALP0152	414	0.291340489	120.6149626
CLASS - Continuous Redial	NLRXL	DISCOUNTED FEATURE OR PACKAGE; AUTOMATIC RECALL; CONTINUOUS REDIAL	DALP0152	58	0.229635281	13.3188463
CLASS - Continuous Redial	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, 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	0.229635281	8729.355573
CLASS - Last Call Return	NSK	C.L.A.S.S. - DISTINCTIVE RINGING - CALL WAITING; PRIORITY CALL	DALP0152	25104	0.068806568	1727.320079
CLASS - Last Call Return	NSQ	C.L.A.S.S. - AUTOMATIC RECALL; LAST CALL RETURN	DALP0152	39784	0.068806568	2737.400495
CLASS - Priority Calling	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.124145189	1.365597079
CLASS - Priority Calling	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.124145189	1.986323024
CLASS - Selective Call Forwarding	ER5	CALL FORWARDING - 3-WAY CALLING	DALP0152	49	0.112643835	5.519547936
CLASS - Selective Call Forwarding	NCE	C.L.A.S.S. - SELECTIVE CALL FORWARDING	DALP0152	20858	0.112643835	2349.525119
CLASS - Selective Call Forwarding	NLRXN	DISCOUNTED FEATURE OR PACKAGE; SELECTIVE CALL FORWARDING	DALP0152	39	0.112643835	4.393109582
CLASS - Selective Call Rejection	NLRXO	DISCOUNTED FEATURE OR PACKAGE; SELECTIVE CALL REJECTION	DALP0152	129	0.260185064	33.56387328
CLASS - Selective Call Rejection	NSY	C.L.A.S.S. - SELECTIVE CALL REJECTION	DALP0152	27869	0.260185064	7251.097554
Custom Ringing First Line (Short/Long/Short)	NLQ1A	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 1	DALP0152	97	0.013678634	1.326827536
Custom Ringing First Line (Short/Long/Short)	RGG1A	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 1; CUSTOM RINGING	DALP0152	1434	0.013678634	19.61516172

Features	USOC	USOC DESC	DALP #	QTY	Cost per line	Total
Custom Ringing First Line (Short/Short)	NLQ1B	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 2	DALP0152	7	0.013678634	0.095750441
Custom Ringing First Line (Short/Short)	RGG1B	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 2; CUSTOM RINGING	DALP0152	110	0.013678634	1.504649783
Custom Ringing First Line (Short/Short/Long)	NLQ1C	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING - DISCOUNTED; 1ST NUMBER; RINGING PATTERN 3	DALP0152	4	0.013678634	0.054714538
Custom Ringing First Line (Short/Short/Long)	RGG1C	DEPENDENT TELEPHONE NUMBER - WITH DISTINCTIVE RINGING - WITHOUT LISTING; 1ST NUMBER; RINGING PATTERN 3; CUSTOM RINGING	DALP0152	79	0.013678634	1.080612117
Custom Ringing Second Line (Short/Long/Short)	RGG2A	WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 1; CUSTOM RINGING	DALP0152	13	0.01283056	0.166797282
Custom Ringing Second Line (Short/Long/Short)	RGG2B	WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 2; CUSTOM RINGING	DALP0152	183	0.01283056	2.347992501
Custom Ringing Second Line (Short/Short)	RGG2C	WITHOUT LISTING; 2ND NUMBER; RINGING PATTERN 3; CUSTOM RINGING	DALP0152	74	0.01283056	0.949461449
Custom Ringing Third Line (Short/Long/Short)	RGG3A	WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 1; CUSTOM RINGING	DALP0152	4	0.010258976	0.041035902
Custom Ringing Third Line (Short/Long/Short)	RGG3B	WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 2; CUSTOM RINGING	DALP0152	2	0.010258976	0.020517951
Custom Ringing Third Line (Short/Long/Short)	RGG3C	WITHOUT LISTING; 3RD NUMBER; RINGING PATTERN 3; CUSTOM RINGING	DALP0152	113	0.010258976	1.159264242
Distinctive Ringing	NLRX8	DISCOUNTED FEATURE OR PACKAGE; DISTINCTIVE RINGING - CALL WAITING; PRIORITY CALL	DALP0152	56	0.013678634	0.766003526
Hot Line - per line	HLA	HOT LINE - DIRECT CONNECT TO PREASSIGNED DESTINATION NUMBER; 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
Speed Calling 30 Number	ESB	CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30 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 Service	RBE	TOLL RESTRICTION WITH BILLED NUMBER SCREENING; LIMITED SERVICE-CUST NOT ALLOWED ADDITIONAL FEATURES & SERVICES	DALP0152	108	0.005270047	0.569165026

Features	USOC	USOC DESC	DALP #	QTY	Cost per line	Total
Toll Restriction Service	RBE1X	TOLL RESTRICTION WITH BILLED NUMBER SCREENING - OPTION 1; RESTRICTED SERVICE-CUSTOMER IS ALLOWED ADDITIONAL FEATURES & SERVICES	DALP0152	14233	0.005270047	75.00857238
Toll Restriction Service	RBVXC	TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING 10XXX 011+ & 011+ CALLS - CALLS ROUTED TO ANCMT	DALP0152	1588	0.005270047	8.368833903
Toll Restriction Service	RTV1Q	TOLL RESTRICTION - BILLED NUMBER SCREENING - 1 GROUP OF LINES OR TRUNKS EQUIPPED	DALP0152	24	0.005270047	0.126481117
Toll Restriction Service	RTV2Q	TOLL RESTRICTION - BILLED NUMBER SCREENING - 2ND GROUP OF LINES OR TRUNKS EQUIPPED	DALP0152	15	0.005270047	0.079050698
Toll Restriction Service	RTVX9	TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING ACCESS TO INFORMATION SERVICES PREFIXES; IN CENTRAL, INCLUDES 900 CALLING; IN EASTERN CORRECT SUFFIXE	DALP0152	3	0.005270047	0.01581014
Toll Restriction Service	RTVXN	TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING 976 & LIKE PREFIXES CALLS *COMMENT: IN EASTERN CORRECT SUFFIXES UNKNOWN	DALP0152	81971	0.005270047	431.9909848
Toll Restriction Service	RTVXQ	TOLL RESTRICTION - BILLED NUMBER SCREENING	DALP0152	480	0.005270047	2.529622338
Toll Restriction Service	RTVXY	TOLL RESTRICTION - PER LINE OR TRUNK EQUIPPED; PROHIBITING 10XXX+1 & 10XXX+011+ CALLS - CALLS ROUTED TO ANCMT	DALP0152	275	0.005270047	1.449262798
Toll Restriction Service	RTY	TOLL RESTRICTION - PER LINE; IN CENTRAL, MAY INCLUDE 10XXX RESTRICTION	DALP0152	15	0.005270047	0.079050698
Call Forwarding: Busy Line/Don't Answer (Expanded)	ESB	CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30 CODE & 3-WAY CALLING	DALP0152	2	0.079842011	0.159684021
Call Forwarding: Variable	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.031384719	0.34523191
Call Forwarding: Variable	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.031384719	0.502155506
Call Waiting/ Cancel Call Waiting	ER9	CALL WAITING & 3-WAY CALLING	DALP0152	31	0.071516485	2.217011046
Call Waiting/ Cancel Call Waiting	ET8	CALL WAITING - SPEED CALLING & 3-WAY CALLING	DALP0152	1	0.071516485	0.071516485
CFBL - All Calls	ESA	CALL FORWARDING - CALL WAITING & SPEED CALLING - 8 CODE	DALP0152	2	0.01941728	0.03883456
CLASS - Anonymous Call Rejection	N6S		DALP0152	1435	0.262300483	376.4011933
CLASS - Calling Name & Number	N6SD1		DALP0152	7	0.359329046	2.515303321
CLASS - Priority Calling	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.124145189	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	0.010285205	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	6	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
Call Forwarding: Variable	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.031384719	0.156923596
Call Waiting/ Cancel Call Waiting	ESA	CALL FORWARDING - CALL WAITING & SPEED CALLING - 8 CODE	DALP0152	2	0.071516485	0.143032971

Features	USOC	USOC DESC	DALP #	QTY	Cost per line	Total
CLASS - Anonymous Call Rejection	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.262300483	2.885305314
CLASS - Anonymous Call Rejection	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.262300483	4.19680773
Three Way Calling	ESB	CUSTOM CALLING PACKAGE - CALL FORWARDING - SPEED CALLING 30 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
CLASS - Anonymous Call Rejection	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.262300483	1.311502416
CLASS - Calling Name & Number	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.359329046	3.952619504
CLASS - Calling Name & Number	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.359329046	5.749264734
CLASS - Calling Name & Number	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.359329046	1.796645229
CLASS - Continuous Redial	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.229635281	2.525988091
CLASS - Continuous Redial	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.229635281	3.674164496
Three Way Calling	NLUBR	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	11	0.257924686	2.837171542
Three Way Calling	NLUBS	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	5	0.257924686	1.289623428
Three Way Calling	NLUBT	PACKAGE - 7 FEATURES - THE CALL MANAGER CONNECTION; CALL FORWARDING VARIABLE, CALL REJECTION, CALLER ID NAME & NUMBER, CONTINUOUS REDIAL, PRIORITY CALL, 3-WAY C	DALP0152	16	0.257924686	4.12679497
				Total DALPS 152		93921.774

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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	563	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	DALP0178	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	DALP0178	5123	0.257924686	1321.348164
Call Waiting/ Cancel Call Waiting	6SY	CALL WAITING - TERMINATING; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0178	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	DALP0178	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 DALPS 178		2310.57812

Features	USOC	USOC DESC	DALP #	QTY	Cost per line	Total
Call Forwarding Variable Remote	CV9	CALL FORWARDING - VARIABLE - PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0174	6878	0.041238791	283.6404021
Call Forwarding: Busy Line (Expanded)	69J	CALL FORWARDING - BUSY LINE; PROVISIONING ONLY - STANDARD 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	69H	CALL FORWARDING - DON'T ANSWER; PROVISIONING ONLY - STANDARD 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/3-Way/Call Transfer	6APPK	CALL HOLD - PER SET; PROVISIONING ONLY - STANDARD STATION LINE 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 Pickup	E3PPK	CALL PICK-UP - PER SET - PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0174	3395	0.007483408	25.40617146
Call Transfer	N13	CALL TRANSFER - CONSULTATION HOLD - 3-WAY CALLING - PER LINE; FOR CENTREX PLUS LINES & WATS TERMINATING ON CENTREX PLUS-PROVISIONING ONLY	DALP0174	24709	0.257924686	6373.061057
Call Waiting Originating	ESZ	CALL WAITING - ORIGINATING	DALP0174	1	0.022296332	0.022296332
Call Waiting/ Cancel Call Waiting	6SY	CALL WAITING - TERMINATING; PROVISIONING ONLY - STANDARD 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 - Meet Me	GVT	CONFERENCE CALLING - STA CONTROLLED; PROVISIONING ONLY - STANDARD STATION LINE FEATURE	DALP0174	948	0	0
Directed Call Pickup without Barge-in	69D	DIRECTED CALL PICKUP - NON-BARGE-IN; PROVISIONING ONLY - 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
Speed Calling 1 Digit Controller	EZJ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT; PROV ONLY-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
Speed Calling 1 Digit User	GVZ	ABBREVIATED DIALING - SPEED CALLING LIST - 1 DIGIT; PROV ONLY-STANDARD STATION LINE FEATURE - USER OF LIST	DALP0174	59	0.010285205	0.606827069
Speed Calling 2 Digit User	EVH	ABBREVIATED DIALING - SPEED CALLING LIST - 2 DIGITS; PROV ONLY-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
Speed Calling 30 Number	GVV	ABBREVIATED DIALING - SPEED CALLING LIST 30 CODE - 2 DIGIT; PROV 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
Three Way Calling	E2H	3-WAY CONFERENCE TRANSFER - PER STATION; FROZEN IN WASHINGTON	DALP0174	353	0.257924686	91.04741402
				Total DALPS 174		9656.667928

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Features	USOC	USOC DESC	DALP #	QTY	Cost per line	Total
Call Hold/3-Way/Call Transfer	MVP11	MULTILINE VARIETY PACKAGE - PLAN 3 - CENTRON I-BASIC PACKAGE 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	MVPCW	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

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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

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Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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	$0.0000	$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	$0.0000	$0.1685	$0.0083	$0.0458	$0.2144	$0.0153	$0.2296
CLASS - Last Call Return		$3.1802	$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	$0.0000	$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

State: South Dakota

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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		$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	$0.0000	$0.0004	$0.0000	$0.0001	$0.0005	$0.0000	$0.0006

State: South Dakota

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

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

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 CustRng3rd 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.

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.

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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Section 1 – Study Output

Page

Section 2 – Cost Calculations

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 *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

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

Study Name	*SUB-LOOP ELEMENTS*	
Study Requester	*Robyn Libadia*	
Type of Study	*TELRIC*	
Study ID	*6427*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 20, 2002*	
Cost Analyst	*David Workman*	
Study Review	**Reviewer**	**Date**
		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**
	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*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

5/20/0 09 PM

Row	South Dakota	Source or Calculation	Factor Value	BUILDING CABLE - PER PAIR	DISTRIBUTION - AVERAGE	DISTRIBUTION - ZONE 1	DISTRIBUTION - ZONE 2	DISTRIBUTION - ZONE 3
			A	B	C	D	E	F
1	**Investment**	sl r"Total" cD		22.30	710.51	461.78	769.25	868.91
2								
3	***Investment Based Costs***	***sl r"Total" cK***		0.35	12.33	7.95	13.32	15.15
4								
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	0.01	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	0.01	0.45	0.29	0.48	0.55
21	Network Support Assets	cA*(r17-r6)	0.014703	0.01	0.19	0.12	0.20	0.23
22	General Support Assets	cA*(r17-r6)	0.088742	0.03	1.14	0.73	1.23	1.40
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.02	0.56	0.36	0.60	0.68
24	Uncollectible	cA*(r17-r6)	0.003786	0.00	0.05	0.03	0.05	0.06
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.00	0.09	0.06	0.10	0.12
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.00	0.11	0.07	0.11	0.13
27	Information Management Expense	cA*(r17-r6)	0.070887	0.03	0.91	0.59	0.98	1.12
28	Intangibles	cA*(r17-r6)	0.000000	0.00	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								
31	***TELRIC***	***r17 + r29***		0.48	16.30	10.51	17.61	20.02
32								
33	***Common***							
34	Executive Expense	cA*(r31-r6)	0.011267	0.01	0.18	0.12	0.20	0.23
35	Planning Expense	cA*(r31-r6)	0.000525	0.00	0.01	0.01	0.01	0.01
36	External Relations Expense	cA*(r31-r6)	0.037846	0.02	0.62	0.40	0.67	0.76
37	Legal Expense	cA*(r31-r6)	0.004717	0.00	0.08	0.05	0.08	0.09
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.00	0.03	0.02	0.03	0.04
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00	0.00	0.00	0.00
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.01	0.25	0.16	0.27	0.30
41	***Common Costs***	***Sum r34:r40***		0.03	1.16	0.75	1.26	1.43
42								
43	***TELRIC + Common Costs***	***r31 + r41***		0.52	17.46	11.26	18.86	21.44

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SUB-LOOP ELEMENTS

BUILDING CABLE - PER PAIR

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2426.1	62C	Intrabuilding Network Cable - Metallic	22.30	0.12	0.11	0.04	0.02	0.07	0.00	0.35
2124	2124	General Purpose Computers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	**22.30**	**0.12**	**0.11**	**0.04**	**0.02**	**0.07**	**0.00**	**0.35**

DISTRIBUTION - AVERAGE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2411	1C	Poles	17.00	0.17	0.05	0.02	0.01	0.00	0.00	0.26
2421.11,.21	52C	Aerial Cable - Metallic	29.23	0.26	0.13	0.05	0.02	0.27	0.00	0.73
2431	3C	Aerial Wire	3.78	0.09	0.03	0.01	0.00	0.01	0.00	0.14
2422.11,.21	5C	Underground Cable - Metallic	3.78	0.03	0.02	0.01	0.00	0.01	0.00	0.07
2423.11,.21	45C	Buried Cable - Metallic	542.29	2.75	2.58	0.98	0.43	2.38	0.00	9.12
2426.1	62C	Intrabuilding Network Cable - Metallic	14.28	0.07	0.07	0.03	0.01	0.04	0.00	0.22
2423.11	35C	Buried Cable - Drop	86.46	0.44	0.41	0.16	0.07	0.38	0.00	1.45
2421.11	42C	Aerial Cable - Drop	13.69	0.12	0.06	0.02	0.01	0.13	0.00	0.34
2124	2124	General Purpose Computers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	**710.51**	**3.93**	**3.35**	**1.27**	**0.57**	**3.22**	**0.00**	**12.33**

DISTRIBUTION - ZONE 1

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2411	1C	Poles	8.47	0.09	0.03	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
2431	3C	Aerial Wire	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.01
2422.11,.21	5C	Underground Cable - Metallic	5.90	0.04	0.03	0.01	0.00	0.02	0.00	0.10
2423.11,.21	45C	Buried Cable - Metallic	344.09	1.75	1.64	0.62	0.27	1.51	0.00	5.78
2426.1	62C	Intrabuilding Network Cable - Metallic	22.61	0.12	0.11	0.04	0.02	0.07	0.00	0.35
2423.11	35C	Buried Cable - Drop	54.46	0.28	0.26	0.10	0.04	0.24	0.00	0.92
2421.11	42C	Aerial Cable - Drop	9.81	0.09	0.04	0.02	0.01	0.09	0.00	0.25
2124	2124	General Purpose Computers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	**461.78**	**2.51**	**2.18**	**0.82**	**0.37**	**2.07**	**0.00**	**7.95**

DISTRIBUTION - ZONE 2

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2411	1C	Poles	17.03	0.17	0.05	0.02	0.01	0.00	0.00	0.26
2421.11,.21	52C	Aerial Cable - Metallic	30.75	0.27	0.14	0.05	0.02	0.28	0.00	0.77
2431	3C	Aerial Wire	2.32	0.05	0.02	0.01	0.00	0.00	0.00	0.08
2422.11,.21	5C	Underground Cable - Metallic	2.78	0.02	0.01	0.00	0.00	0.01	0.00	0.05
2423.11,.21	45C	Buried Cable - Metallic	597.79	3.03	2.84	1.07	0.48	2.62	0.00	10.05
2426.1	62C	Intrabuilding Network Cable - Metallic	10.12	0.05	0.05	0.02	0.01	0.03	0.00	0.16
2423.11	35C	Buried Cable - Drop	93.42	0.47	0.44	0.17	0.07	0.41	0.00	1.57
2421.11	42C	Aerial Cable - Drop	15.04	0.13	0.07	0.03	0.01	0.14	0.00	0.38
2124	2124	General Purpose Computers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SUB-LOOP ELEMENTS

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**769.25**	**4.21**	**3.63**	**1.37**	**0.61**	**3.50**	**0.00**	**13.32**

DISTRIBUTION - ZONE 3

2411	1C	Poles	23.26	0.24	0.07	0.03	0.02	0.01	0.00	0.36
2421.11,.21	52C	Aerial Cable - Metallic	38.17	0.33	0.17	0.07	0.03	0.35	0.00	0.96
2431	3C	Aerial Wire	7.00	0.16	0.05	0.02	0.01	0.01	0.00	0.25
2422.11,.21	5C	Underground Cable - Metallic	2.65	0.02	0.01	0.00	0.00	0.01	0.00	0.05
2423.11,.21	45C	Buried Cable - Metallic	664.89	3.37	3.16	1.20	0.53	2.92	0.00	11.18
2426.1	62C	Intrabuilding Network Cable - Metallic	9.88	0.05	0.05	0.02	0.01	0.03	0.00	0.15
2423.11	35C	Buried Cable - Drop	107.09	0.54	0.51	0.19	0.09	0.47	0.00	1.80
2421.11	42C	Aerial Cable - Drop	15.98	0.14	0.07	0.03	0.01	0.15	0.00	0.40
2124	2124	General Purpose Computers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	**868.91**	**4.86**	**4.10**	**1.55**	**0.69**	**3.94**	**0.00**	**15.15**

	A	B	C	D	E	F	G	H
1	Investment							
2	STUDY	SUB-LOOP ELEMENTS						
3	DATE	5/1/02						
4	GROUP	BUILDING CABLE - PER PAIR						
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	DISTRIBUTION - 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	LOADED	SD	14.2750985822	0.	0.	62C	BLD CABLE	Unbundled-Subloop Tab
15	LOADED	SD	86.4612999212	0.	0.	35C	BUR DROP	Unbundled-Subloop Tab
16	LOADED	SD	13.6904343695	0.	0.	42C	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	DISTRIBUTION - ZONE 1						
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	LOADED	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.	0.	42C	AR DROP	Unbundled-Subloop Tab
28	LOADED	SD	0.000112	0.	0.	2124	Billing and Collection	Billing & Collection Tab
29	COMMON	SD	0.016467	0.	0.		Billing and Collection	Billing & Collection Tab
30	GROUP	DISTRIBUTION - ZONE 2						
31	LOADED	SD	17.0298997159	0.	0.	1C	POLES	Unbundled-Subloop Tab
32	LOADED	SD	30.7478399608	0.	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

	A	B	C	D	E	F	G	H
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	DISTRIBUTION - 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.	3C	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.		Billing and Collection	Billing & Collection Tab

	A	B
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6427	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
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	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	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
12	3C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
13	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP

	N	O	P	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
13	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR	RDEXP

	AB	AC
1		
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

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For:	Interconnection										
2	*-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 02V1.*												
5	*-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 02/02.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 02/02.*												
10	*-DIRECTLY ASSIGNED expense factors released 04/02.*												
11	*-BUSINESS FEES released 04/02.*												
12	*-COMMON Expense released 04/02.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 01/01.*												
14	*-POWER investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 02/02.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 04/02.*												
20	*-SALES EXPENSE factor released 04/02.*												
21	*-PRODUCT MANAGEMENT factor released 04/02.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35															
36															
37															
38	State:	South Dakota													
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	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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
34														
35														
36														
37														
38														
39														
40	**COMPTR**	**UNCOLL**	**ACCNT**	**HREXP**	**INTAN**	**EXEC**	**PLAN**	**EXTERN**	**INFOR**	**LEGAL**	**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

State: South Dakota
Output: All Wire Centers

Page 1
4/17/02
11:46:20
V 2.1

Feeder Model - 12 Kilofoot crossover
Process Group - Wire Center Detail
Pairs Per Site - Engineering Standard

		2002 Average Investments				
Account	Description	Building Cable & Wire	Statewide Average Sub-loop Distribution	Zone 1 Sub-loop Distribution	Zone 2 Sub-loop Distribution	Zone 3 Sub-loop Distribution
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
5C	Buried Drop	0.00	86.46	54.46	93.42	107.09
42C	Aerial Drop	0.00	13.69	9.81	15.04	15.98
	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

Table of Contents

Section 1 – Study Output

Section 2 – Cost Calculations

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/DS0 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 *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

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.

Study Name	*CHANNEL PERFORMANCE*	
Study Requester	*Robyn Libadia*	
Type of Study	*TELRIC*	
Study ID	*6429*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 20, 2002*	
Cost Analyst	*David Workman*	
Study Review	**Reviewer**	**Date**
		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**
	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*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

Parameter File: H:\Gollehon_Team\Recurring\Workman\LowSideChannel\SD\LSCmay02\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"

State: South Dakota

Description	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + 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

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Row	South Dakota	Source or Calculation	Factor Value	LOW SIDE CHANNEL PERFORMANCE	Low Side Channel Performance with MULTIPLEXING
			A	B	C
1	**Investment**	sl r"Total" cD		632.99	361.10
2					
3	***Investment Based Costs***	***sl r"Total" cK***		10.44	5.96
4					
5	Direct Expenses			0.00	0.00
6	Miscellaneous Expenses			0.00	0.00
7	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					
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		10.84	6.18
18					
19	***Other Direct Expenses***				
20	Network Operations	cA*(r17-r6)	0.034832	0.38	0.22
21	Network Support Assets	cA*(r17-r6)	0.014703	0.16	0.09
22	General Support Assets	cA*(r17-r6)	0.088742	0.96	0.55
23	General Purpose Computers	cA*(r17-r6)	0.043342	0.47	0.27
24	Uncollectible	cA*(r17-r6)	0.003786	0.04	0.02
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.08	0.05
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.09	0.05
27	Information Management Expense	cA*(r17-r6)	0.070887	0.77	0.44
28	Intangibles	cA*(r17-r6)	0.000000	0.00	0.00
29	***Total Other Direct Expenses***	***Sum r20:r28***		2.95	1.68
30					
31	***TELRIC***	***r17 + r29***		13.78	7.86
32					
33	***Common***				
34	Executive Expense	cA*(r31-r6)	0.011267	0.16	0.09
35	Planning Expense	cA*(r31-r6)	0.000525	0.01	0.00
36	External Relations Expense	cA*(r31-r6)	0.037846	0.52	0.30
37	Legal Expense	cA*(r31-r6)	0.004717	0.07	0.04
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.03	0.01
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.21	0.12
41	***Common Costs***	***Sum r34:r40***		0.98	0.56
42					
43	***TELRIC + Common Costs***	***r31 + r41***		14.76	8.42

5/20/02
South Dakota

CHANNEL PERFORMANCE

LOW SIDE CHANNEL PERFORMANCE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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 Side Channel Performance with MULTIPLEXING

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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		0.76
		Total	**361.10**	**2.87**	**1.52**	**0.57**	**0.29**	**0.70**	**0.00**	**5.96**

	A	B	C	D	E	F	G	H
1	Investment							
2	STUDY	CHANNEL PERFORMANCE						
3	DATE	5/20/02						
4	GROUP	LOW SIDE CHANNEL PERFORMANCE						
5	EF&I	SD	525.930449216	0.	0.	357C	Analog Circuit Equipment	Channel Plug Investments
6	GROUP	Low Side Channel Performance with MULTIPLEXING						
7	EF&I	SD	300.0258818807	0.	0.	357C	Analog Circuit Equipment	Channel Plug Investments

	A	B
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6429	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
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

	N	O	P	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
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

	AB	AC
1		
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

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	***-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02***												
3	***-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).***												
4	***-Factors loaded from Factors Model (Expense Module), Version 02V1.***												
5	***-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost***												
6	***Of Money. No 1-10 year factors developed.***												
7	***-MAINTENANCE factors released 02/02.***												
8	***-RTU factors released 02/01.***												
9	***-AD VALOREM Tax released 02/02.***												
10	***-DIRECTLY ASSIGNED expense factors released 04/02.***												
11	***-BUSINESS FEES released 04/02.***												
12	***-COMMON Expense released 04/02.***												
13	***-TOTAL INSTALLED FACTORS (TIF) released 01/01.***												
14	***-POWER investment factors released 01/01.***												
15	***-SALES TAX released 01/01.***												
16	***-TELCO Engineering factors released 01/01.***												
17	***-INTEREST DURING CONSTRUCTION released 01/01.***												
18	***-LAND AND BUILDING factors released 02/02.***												
19	***-DIRECTLY ATTRIBUTABLE expense factors released 04/02.***												
20	***-SALES EXPENSE factor released 04/02.***												
21	***-PRODUCT MANAGEMENT factor released 04/02.***												
22	***-BILLING & COLLECTION factor released 01/01.***												
23	***-PROVISIONING factors released 01/01.***												
24	***-TELEPHONE PLANT INDEX released 01/01.***												
25	***-STRUCTURE RATIO released 01/01.***												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35	***State:***														
36															
37															
38	State:	South Dakota													
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
50	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	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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
34														
35														
36														
37														
38														
39														
40	**COMPTR**	**UNCOLL**	**ACCNT**	**HREXP**	**INTAN**	**EXEC**	**PLAN**	**EXTERN**	**INFOR**	**LEGAL**	**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.

Channel Performance	INVESTMENT	Weighting			TIF & SPARE & FILL	TOTAL 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 Channelization			$348.20	1.5104	$525.93	257C

Channel Plug Investments from the Investment CALC for Low Side ChannelPerformance, MUX Tab.

	INVESTMENT	Weighting			TIF & SPARE FACTOR	TOTAL INVESTMENT	
Channel Performance							
With Multiplexing							
NC Code							
LOOP START - LO/LS	$166.14	60.65%		$100.77			
GROUND START	$166.14	3.54%		$5.88			
REVERSE BATTERY & PBX	$177.14	0.14%		$0.25			
NO SIGNALLING	$257.21	35.67%		$91.74			
DS1/DS0 MUX, Low Side Channelization				$198.63	1.5104	$300.03	257C

DESCRIPTION	NC CODE	NCI CODE End-User NI & CLEC NI	Location	DESCRIPTION OF PLUG	PRICE	QTY	Invest		Average Invest	% Metallic & Pair Gain		Weighted Invest	Acc
LOOP START - LO/LS													
Metallic													
DSO/VOICE	LC	02LS2	CO	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							
		02LO2	CO	2W FXO	$84.81	1	$166.81	$83.41	$186.16	60.02%	$111.73		257C
LOOP START - LO/LS													
DLC				DLC	39.98%								257C
			CO	DCS	$120.62	2	$241.24	$241.24	$241.24				
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				
									$556.67	39.98%	$222.55		257C
												$334.28	257C

GROUND START													
DSO/VOICE	LD	02GS2	CO	2W FXS/DPO	$82.00	1							
		04GO2	CO	4W FXO	$123.50	1	$205.50	$102.75					257C
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		257C
GROUND START													
DLC				DLC	39.98%								257C
			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					257C
DSO/VOICE	LD	02GS2	Rem Term	SLCUECNC	$157.90	1							
				Basic Plug Credit	($63.00)								
		02GO2	CO	SLCUDCU2	$115.55	1	$210.45	$105.23	$315.43				
									$556.67	39.98%	$222.55		257C
												$334.28	257C

NO SIGNALLING													
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							
		04NO2	CO	4W TO	$82.34	1	$164.68	$54.34	$193.25	60.02%	$115.99		257C
NO SIGNALLING				DLC	39.98%								
DLC			CO	DCS	$120.62	2	$241.24	$241.24	$241.24				257C
DSO/VOICE	LH	02NO2	Rem Term	SLCUECNC	$157.90	1							
				Basic Plug Credit	($63.00)								
		04NO2	CO	SLCULFE2	$325.50	1	$420.40	$138.73					
DSO/VOICE	LH	02NO2	Rem Term	SLCUECNC	$157.90	1							
				Basic Plug Credit	($63.00)								
		02NO2	CO	SLCUDCU2	$115.55	1	$210.45	$69.45					257C
DSO/VOICE	LH	04NO2	Rem Term	SLCULFE2	$325.50	1							
				Basic Plug Credit	($63.00)								
		04NO2	CO	SLCULFE2	$325.50	1	$588.00	$194.04	$402.22				
									$643.46	39.98%	$257.25	$373.24	257C

Channel Performance	INVESTMENT	Weighting			TIF & SPARE & FILL	TOTAL 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 Channelization			$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%	
LS	PJWHX	33790	50.60%	
GS	PCWJX	2366	3.54%	
NO SIGNAL	PCWEX	23852	35.72%	
		66779	100.00%	

	257C		Maintenance	TIF & SPARE
	Plug-Ins	TIF	Spare	FACTOR
South Dakota	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

DESCRIPTION	NC CODE	NCI CODE End-User NI & CLEC NI	Location	DESCRIPTION OF PLUG	PRICE	QTY	Invest		% Metallic & Pair Gain		Weighted Invest	Acc
LOOP START - LO/LS												
Metallic with Multiplexing												
DSO/VOICE	LC	02LS2	CO	2W FXS/DPO	$82.00	1	$82.00		60.02%	$49.22		257C
LOOP START - LO/LS												
DLC with multiplexing				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	($63.00)							
			CO	SLCUDCU2	$115.55	1	$210.45					
							$292.45		39.98%	$116.92		257C
											$166.14	257C
GROUND START												
Metallic with Multiplexing												
DSO/VOICE	LD	02GS2	CO	2W FXS/DPO	$82.00	1	$82.00		60.02%	$49.22		257C
GROUND START												
DLC with multiplexing				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		39.98%	$116.92		257C
											$166.14	257C

REVERSE BATTERY & PBX													
Metallic with Multiplexing													
DSO/VOICE	LD	02RV2.T	CO	2W FXO/DPT GNTR	$93.00	1	$93.00			60.02%	$55.82		257C
REVERSE BATTERY & PBX				DLC	39.98%								
DLC with multiplexing			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		
												$177.14	
NO SIGNALLING													
Metallic with Multiplexing													
DSO/VOICE	LH	02NO2	CO	2W TO	$112.86	1	$112.86	$56.43					257C
DSO/VOICE	LH	04NO2	CO	4W TO	$82.34	1	$82.34	$41.17	$97.60	60.02%	$58.58		257C
NO SIGNALLING													
DLC with multiplexing				DLC	39.98%								257C
			CO/MUX	2W TO	$112.86	1	$112.86	$56.43					
				4W TO	$82.34	1	$82.34	$41.17	$97.60				
DSO/VOICE	LH	02NO2	Rem Term	SLCUECNC	$157.90	1							
				Basic Plug Credit	($63.00)								
		02NO2	CO	SLCUDCU2	$115.55	1	$210.45	$105.23					
DSO/VOICE	LH	04NO2	Rem Term	SLCULFE2	$325.50	1							
				Basic Plug Credit	($63.00)								
		04NO2	CO	SLCULFE2	$325.50	1	$588.00	$294.00	$399.23				
									496.825	39.98%	$198.63		257C
												$257.21	257C

Channel Performance	INVESTMENT	Weighting			TIF & SPARE & FILL	TOTAL INVESTMENT	
With Multiplexing							
NC Code							
LOOP START - LO/LS	$166.14	60.65%	$100.77				
GROUND START	$166.14	3.54%	$5.88				
REVERSE BATTERY & PBX	$177.14	0.14%	$0.25				
NO SIGNALLING	$257.21	35.67%	$91.74				
DS1/DS0 MUX, Low Side Channelization			$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		TIF	Maintenance Spare	TIF & SPARE FACTOR
	Plug-Ins Without Warehouse	1.3594	0.90	1.5104

South Dakota

TIF from the Electronic Data Base, Vintage 00V2, 6/01.

CLS = Class Of Service
CLEI = Common Language Equipment Identifier
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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

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.

	NC CODE	NCI CODE End-User NI	NCI CODE CLEC NI	CLEI	VENDOR	DESCRIPTION OF PLUG	PRICE	QUANITY	WEIGHTING	ACCOUNT
LOOP START - LO/LS										
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	357C
									$123.50	
b. DSO/VOICE	LC	02LS2		D4F1GWS	XEL	2W FXS/DPO	$82.00	1		357C
			02LO2	D4F1CE0CAA	PULSECOM	2W FXO	$71.00	1	$23.43	357C
			02LO2	D4F1JR0	XEL	2W FXO/DPT GNTR	$112.00	1	$36.96	357C
			02LO2	D4F1HP0	XEL	2W FXO/DPT GNTR	$74.00	1	$24.42	357C
									$84.81	
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	4W FXO	$114.00	1	$57.00	357C
									$123.50	
e. DSO/VOICE	LD	02GS2		D4F1GWS	XEL	2W FXS/DPO	$82.00	1		357C
			02GO2	D4F1CE0CAA	PULSECOM	2W FXO	$71.00	1	$23.43	357C
			02GO2	D4F1JR0	XEL	2W FXO/DPT GNTR	$112.00	1	$36.96	357C
			02GO2	D4F1HP0	XEL	2W FXO/DPT GNTR	$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 GNTR	$112.00	1	$56.00	357C
		02RV2.T		D4F1HP0	XEL	2W FXO/DPT GNTR	$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	2W	TO	$79.00	1	$26.07	357C
		02NO2		D4CTSB09AB	PULSECOM	2W	TO/GT	$123.00	1	$40.59	357C
										$112.86	
			04NO2	D4C0S44	XEL	4W	TO	$85.50	1	$28.22	357C
			04NO2	D4CTHPL9AA	PULSECOM	4W	ETO	$93.00	1	$30.69	357C
			04NO2	D4C0P775AA	PULSECOM	4W	TO	$71.00	1	$23.43	357C
										$82.34	
j. DSO/VOICE	LH	02NO2		D4CTN8F	XEL	2W	ETO	$140.00	1	$46.20	357C
		02NO2		D4CTDDL9AB	PULSECOM	2W	TO	$79.00	1	$26.07	357C
		02NO2		D4CTSB09AB	PULSECOM	2W	TO/GT	$123.00	1	$40.59	357C
										$112.86	
			02NO2	D4CTN8F	XEL	2W	ETO	$140.00	1	$46.20	357C
			02NO2	D4CTDDL9AB	PULSECOM	2W	TO	$79.00	1	$26.07	357C
			02NO2	D4CTSB09AB	PULSECOM	2W	TO/GT	$123.00	1	$40.59	357C
										$112.86	
i. DSO/VOICE	LH	04NO2		D4C0S44	XEL	4W	TO	$85.50	1	$28.22	357C
		04NO2		D4CTHPL9AA	PULSECOM	4W	ETO	$93.00	1	$30.69	357C
		04NO2		D4C0P775AA	PULSECOM	4W	TO	$71.00	1	$23.43	357C
										$82.34	
			04NO2	D4C0S44	XEL	4W	TO	$85.50	1	$28.22	357C
			04NO2	D4CTHPL9AA	PULSECOM	4W	ETO	$93.00	1	$30.69	357C
			04NO2	D4C0P775AA	PULSECOM	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
		02NO2		D4CTDDL9AB	PULSECOM	2W	TO	$79.00	1	$26.07	357C
		02NO2		D4CTSB09AB	PULSECOM	2W	TO/GT	$123.00	1	$40.59	357C
										$93.72	

I. DSO/VOICE	LH	04NO2		D4F1GWS	XEL	2W FXS/DPO	$82.00	1	$27.06	357C
		04NO2		D4CTHPL9AA	PULSECOM	4W ETO	$93.00	1	$30.69	357C
		04NO2		D4C0P775AA	PULSECOM	4W TO	$71.00	1	$23.43	357C
									$81.18	
Used in Back to Back D4 or D4 to SLC				D4IMRA0BAA	PULSECO	TANDEM	$132.00		$66.00	357C
Used in Back to Back D4 or D4 to SLC				D4CEP155AA	PULSECO	4W TANDEM	$86.00		$43.00	357C
									$109.00	
Basic Plug Credit							$63.00			357C
DCS							$120.62			357C
LSDEMUX							$140.37			357C
SLCUDCU2			COE				$115.55			357C
SLCUECNC			REMOTE TE				$157.90			
SLCULFE2			4W BOTH ENDS				$325.50			

FILE: DW3.XLS & DW3b.XLS FOR DAVE WORKMAN 05/03/00
SOURCE: RJ26, CDW BPRRD10V, ANN HIERONYMUS
CRIS-BILLED QUANTITIES OF SELECTED CLS AND USOCS
(ALL CLS, EXCLUDING 1FB AND 1FR)

YEARMO	ST	USOC	CLS	REV TYP	QTY
200004	MN	PCW1X	PYC2N	R	23
200004	MN	PCW1X	PYC3N	R	42
200004	MN	PCW1X	RCCML	R	1
200004	ND	PCW1X	PYC3N	R	12
200004	NE	PCW1X	PYC3N	R	10
200004	SD	PCW1X	PYC3N	R	5
200004	AZ	PCWAX	125	R	9
200004	AZ	PCWAX	C21XX	R	33
200004	AZ	PCWAX	DQKXX	R	130
200004	AZ	PCWAX	FFNJX	R	1
200004	AZ	PCWAX	FFNUX	R	9
200004	AZ	PCWAX	PYC2N	R	116
200004	AZ	PCWAX	XBHXX	R	2
200004	AZ	PCWAX	XFBXX	R	145
200004	AZ	PCWAX	XLBXX	R	14
200004	AZ	PCWAX	XMBXX	R	2
200004	IA	PCWAX	PYC2N	R	91
200004	IA	PCWAX	PYCDL	R	1
200004	ID	PCWAX	C21XX	R	14
200004	ID	PCWAX	FFN2X	R	4
200004	ID	PCWAX	GFFUA	R	2
200004	ID	PCWAX	PYC2N	R	3
200004	ID	PCWAX	XBHXX	R	3
200004	ID	PCWAX	XFBXX	R	4
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	PCWAX	PYCDL	R	1
200004	MN	PCWAX	PYCDS	R	1
200004	MT	PCWAX	DQKXX	R	4
200004	MT	PCWAX	FFNUX	R	8
200004	MT	PCWAX	GFFJC	R	2
200004	MT	PCWAX	PYC2N	R	8
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	161
200004	OR	PCWAX	DQKXX	R	24
200004	OR	PCWAX	EF9	R	2
200004	OR	PCWAX	FFN2X	R	31
200004	OR	PCWAX	FFNDX	R	17
200004	OR	PCWAX	FFNJX	R	8
200004	OR	PCWAX	FFNUX	R	11

RB	PCW1X	93
LA	PCWAX	2355
LB	PCWBX	6882
LC	PCWCX	30097
NO S	PCWEX	23852
LS	PJWHX	33790
C S R	PCWHX	414
GS	PCWJX	2366
E & M	PCWKX	5090
LO	PJWCX	6771
		111710
	PCW1X	93

MULTIPLEXING

LO	PJWCX	6771	10.13%
LS	PJWHX	33790	50.53%
GS	PCWJX	2366	3.54%
RB	PCW1X	93	0.14%
NO S	PCWEX	23852	35.67%
		66872	100.00%

Low Side Channel Performance

LO	PJWCX	6771	10.14%
LS	PJWHX	33790	50.60%
GS	PCWJX	2366	3.54%
NO S	PCWEX	23852	35.72%
		66779	100.00%

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	GFFUC	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	PYCDS	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	PCWBX	GFFUA	R	4
200004 ID	PCWBX	PYC2N	R	35
200004 ID	PCWBX	PYC6N	R	4
200004 ID	PCWBX	XBHXX	R	128
200004 ID	PCWBX	XFBXX	R	71
200004 ID	PCWBX	XFFXX	R	8
200004 ID	PCWBX	XFMXX	R	2
200004 ID	PCWBX	XMHXX	R	2
200004 MN	PCWBX	PYC2N	R	1209
200004 MN	PCWBX	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	PCWBX	PYCDL	R	2
200004 NE	PCWBX	PYC2N	R	219
200004 OR	PCWBX	1FL	R	13
200004 OR	PCWBX	C21XX	R	49
200004 OR	PCWBX	COPXX	R	598
200004 OR	PCWBX	DQKXX	R	236
200004 OR	PCWBX	FFN2X	R	1
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	PCWBX	PYC2N	R	140
200004 SD	PCWBX	XZV29	R	1
200004 UT	PCWBX	C21XX	R	9
200004 UT	PCWBX	DQKXX	R	13
200004 UT	PCWBX	FFB6E	R	3
200004 UT	PCWBX	KFTXX	R	18
200004 UT	PCWBX	P161K	R	30
200004 UT	PCWBX	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	FFNUX	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	PYCDS	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	PCWCX	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	FFB1E	R	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	WA	PCWCX	C21XX	R	187		
200004	WA	PCWCX	COPXX	R	3825		
200004	WA	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	FFB1O	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		

200004 AZ	PCWEX	PYC1N	R	14
200004 AZ	PCWEX	PYC2N	R	3960
200004 AZ	PCWEX	PYC3N	R	38
200004 AZ	PCWEX	PYC6N	R	16
200004 AZ	PCWEX	PYKJN	R	1
200004 AZ	PCWEX	XBAXT	R	1
200004 AZ	PCWEX	XFBXX	R	18
200004 AZ	PCWEX	XZV69	R	3
200004 IA	PCWEX	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	PCWEX	PYCDL	R	11
200004 IA	PCWEX	PYCDS	R	3
200004 IA	PCWEX	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	PCWEX	PYC2N	R	67
200004 IP	PCWEX	PYC6N	R	14
200004 MH	PCWEX	PYC2N	R	71
200004 MN	PCWEX	FXKTL	R	1
200004 MN	PCWEX	FXKTS	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	PCWEX	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	PCWEX	XZVA9	R	2		
200004	SD	PCWEX	PYC1N	R	6		
200004	SD	PCWEX	PYC2N	R	1129		
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	PCWEX	PYC3N	R	184		
200004	WA	PCWEX	PYC6N	R	682		
200004	WA	PCWEX	PYC9N	R	2		
200004	WA	PCWEX	XZV29	R	16		
200004	WA	PCWEX	XZV69	R	1		
200004	WY	PCWEX	91L	R	2		
200004	WY	PCWEX	PYC1N	R	2		
200004	WY	PCWEX	PYC2N	R	1190		
200004	WY	PCWEX	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		

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	FXPTS	R	73		
200004	MN	PCWJX	PYC3N	R	4		
200004	ND	PCWJX	FXPTS	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	FFNUX	R	4		
200004	ID	PCWKX	GFFSC	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		
200004	MH	PCWKX	PYC3N	R	4		
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		
200004	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	EZBYX	R	46		
200004	WY	PCWKX	FFB1G	R	4		
200004	WY	PCWKX	FFB1O	R	6		
200004	WY	PCWKX	PYC3N	R	28		
200004	WY	PCWKX	XBHXX	R	46		
200004	WY	PCWKX	XFBXX	R	16	PCWKX	5090
200004	AZ	PJWCX	1FMUX	R	438		

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	SD	PJWCX	PYC2N	R	20		
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	R	25		
200004	UT	PJWCX	XFBXX	R	3		
200004	WA	PJWCX	C21XX	R	10		
200004	WA	PJWCX	FFN2X	R	33		
200004	WA	PJWCX	FFNJX	R	171		
200004	WA	PJWCX	FFNUX	R	3		
200004	WA	PJWCX	PYC2N	R	368		
200004	WY	PJWCX	FFB1N	R	1		
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	R	4

200004	UT	PJWHX	FFN2X	R	142		
200004	UT	PJWHX	FFNJX	R	18		
200004	UT	PJWHX	GFFJE	R	6		
200004	UT	PJWHX	KFTXX	R	18		
200004	UT	PJWHX	PYC2N	R	123		
200004	UT	PJWHX	XBHXX	R	1284		
200004	UT	PJWHX	XFBXX	R	297		
200004	UT	PJWHX	XFFXX	R	1		
200004	UT	PJWHX	XFHXX	R	3		
200004	UT	PJWHX	XFMXX	R	52		
200004	WA	PJWHX	8NA	R	12		
200004	WA	PJWHX	C21XX	R	373		
200004	WA	PJWHX	COPXX	R	4863		
200004	WA	PJWHX	COQXX	R	9		
200004	WA	PJWHX	CYR2X	R	5		
200004	WA	PJWHX	DQKXX	R	1332		
200004	WA	PJWHX	FFN2X	R	86		
200004	WA	PJWHX	FFNDX	R	2		
200004	WA	PJWHX	FFNJX	R	182		
200004	WA	PJWHX	FFNUX	R	83		
200004	WA	PJWHX	FNX	R	2		
200004	WA	PJWHX	FXRXX	R	17		
200004	WA	PJWHX	HFB	R	2		
200004	WA	PJWHX	JBG	R	81		
200004	WA	PJWHX	JBM	R	2		
200004	WA	PJWHX	JBV	R	1		
200004	WA	PJWHX	LMB	R	9		
200004	WA	PJWHX	PYC2N	R	1331		
200004	WA	PJWHX	SFO	R	11		
200004	WA	PJWHX	XLAYX	R	2		
200004	WA	PJWHX	XZV29	R	1		
200004	WY	PJWHX	8NA	R	40		
200004	WY	PJWHX	C21XX	R	11		
200004	WY	PJWHX	DQ6XX	R	46		
200004	WY	PJWHX	DQKXX	R	25		
200004	WY	PJWHX	FFB1J	R	7		
200004	WY	PJWHX	FFB1O	R	1		
200004	WY	PJWHX	FFBVF	R	2		
200004	WY	PJWHX	FFBWX	R	13		
200004	WY	PJWHX	PYC2N	R	45		
200004	WY	PJWHX	XBHXX	R	32		
200004	WY	PJWHX	XFBXX	R	50		
200004	WY	PJWHX	XFHXX	R	9	PJWHX	33790
			TOTAL		111710		

Qwest DLC % 0.3998

Unbundled Loop demultiplexing investments

State ▼

Spread over all Unbundled Loops	2-WIRE		
	Investment	DLC %	Wtd Invest
MD & LG	$146.90	0.3545	$52.08
VS & SM	$576.25	0.0453	$26.09
Average		0.3998	$78.17

Per Occurrence			
	Investment	WCG%	Wtd Invest
MD & LG	$146.90	0.8867	$130.27
VS & SM	$576.25	0.1133	$65.26
Average		1.0000	$195.53

Spread over all Unbundled Loops	4-WIRE		
	Investment	DLC %	Wtd Invest
MD & LG	$339.01	0.3545	$120.18
VS & SM	$1,390.34	0.0453	$62.95
Average		0.3998	$183.14

This is from the Loop MOD 2 group.

Qwest

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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Section 2 – Cost Calculations

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 *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	*South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)*	
Study Requester	*Robyn Libadia*	
Type of Study	*TELRIC*	
Study ID	*6430*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 29, 2002*	
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*
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*
	Billing & Collection (PL)	*01/01*
	Other Direct Expenses	*04/02*
	Common	*04/02*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

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"
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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 + Common
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

Row	5/29/0 4:25 PM South Dakota	Source or Calculation	Factor Value	DS1 Capable Loop Statewide	DS1 Capable Loop Zone 1	DS1 Capable Loop Zone 2	DS1 Capable Loop Zone 3	DS1 Capable Feeder Loop Statewide	DS1 Capable Feeder Loop Zone 1
			A	B	C	D	E	F	G
1	**Investment**	sl r"Total" cD		6,942.96	6,881.97	6,916.66	6,997.87	5,037.10	4,976.11
2									
3	***Investment Based Costs***	***sl r"Total" cK***		110.45	109.16	109.72	111.70	77.60	76.31
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***			110.93	109.63	110.19	112.18	77.93	76.64
9									
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									
31	***TELRIC***	***r17 + r29***		145.80	144.10	144.83	147.44	102.43	100.73
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	1.64	1.62	1.63	1.66	1.15	1.13
35	Planning Expense	cA*(r31-r6)	0.000525	0.08	0.08	0.08	0.08	0.05	0.05
36	External Relations Expense	cA*(r31-r6)	0.037846	5.52	5.45	5.48	5.58	3.88	3.81
37	Legal Expense	cA*(r31-r6)	0.004717	0.69	0.68	0.68	0.70	0.48	0.48
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.27	0.27	0.27	0.27	0.19	0.19
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00	0.00	0.00	0.00	0.00
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	2.20	2.17	2.18	2.22	1.54	1.52
41	***Common Costs***	***Sum r34:r40***		10.39	10.27	10.32	10.51	7.30	7.18
42									
43	***TELRIC + Common Costs***	***r31 + r41***		156.19	154.37	155.15	157.96	109.74	107.91

Row	5/29/0 :25 PM 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
			A	H	I	J	K	L	M
1	**Investment**	sl 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***	***sl 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									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	1.54	1.58	13.21	11.28	11.79	15.22
12	Sales Expense	cA*(r8-r6)	0.011877	0.92	0.94	7.86	6.71	7.01	9.06
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	0.12	0.12	1.01	0.87	0.90	1.17
15	***Marketing & Business Fees Total***	***Sum r11:r14***		2.58	2.64	22.09	18.86	19.71	25.44
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		79.77	81.83	684.08	584.17	610.32	787.98
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	2.78	2.85	23.83	20.35	21.26	27.45
21	Network Support Assets	cA*(r17-r6)	0.014703	1.17	1.20	10.06	8.59	8.97	11.59
22	General Support Assets	cA*(r17-r6)	0.088742	7.08	7.26	60.71	51.84	54.16	69.93
23	General Purpose Computers	cA*(r17-r6)	0.043342	3.46	3.55	29.65	25.32	26.45	34.15
24	Uncollectible	cA*(r17-r6)	0.003786	0.30	0.31	2.59	2.21	2.31	2.98
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.59	0.60	5.03	4.29	4.48	5.79
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.66	0.68	5.67	4.84	5.06	6.54
27	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
29	***Total Other Direct Expenses***	***Sum r20:r28***		21.69	22.25	186.02	158.85	165.97	214.28
30									
31	***TELRIC***	***r17 + r29***		101.46	104.08	870.10	743.02	776.29	1,002.25
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	1.14	1.17	9.80	8.37	8.75	11.29
35	Planning Expense	cA*(r31-r6)	0.000525	0.05	0.05	0.46	0.39	0.41	0.53
36	External Relations Expense	cA*(r31-r6)	0.037846	3.84	3.94	32.93	28.12	29.38	37.93
37	Legal Expense	cA*(r31-r6)	0.004717	0.48	0.49	4.10	3.51	3.66	4.73
38	Other Procurement Expense	cA*(r31-r6)	0.001860	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)	0.015064	1.53	1.57	13.11	11.19	11.69	15.10
41	***Common Costs***	***Sum r34:r40***		7.23	7.42	62.03	52.97	55.34	71.45
42									
43	***TELRIC + Common Costs***	***r31 + r41***		108.69	111.50	932.13	795.99	831.62	1,073.70

5/29/02
South Dakota

South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)

DS1 Capable Loop Statewide

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.86
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.26
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	163.60	1.24	0.77	0.29	0.13	0.42	0.00	2.84
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.92
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.93
2423.11,.21	45C	Buried Cable - Metallic	1,563.39	7.93	7.43	2.81	1.24	6.86	0.00	26.28
2421.11,.21	52C	Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.47
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.60
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	**6,942.96**	**48.40**	**30.53**	**11.55**	**5.52**	**14.46**	**0.00**	**110.45**

DS1 Capable Loop Zone 1

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.86
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.26
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	209.61	1.59	0.98	0.37	0.17	0.53	0.00	3.64
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.92
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.93
2423.11,.21	45C	Buried Cable - Metallic	1,495.52	7.59	7.11	2.69	1.19	6.56	0.00	25.14
2421.11,.21	52C	Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.47
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.60
2422.12,.22	85C	Underground Cable - NonMetallic	53.84	0.32	0.25	0.10	0.04	0.08	0.00	0.79
2423.12,.22	845C	Buried Cable - NonMetallic	46.66	0.24	0.22	0.08	0.04	0.09	0.00	0.67
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

5/29/02
South Dakota

South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**6,881.97**	**47.83**	**30.30**	**11.46**	**5.47**	**14.10**	**0.00**	**109.16**

DS1 Capable Loop 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
2232.2	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	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.86
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.26
2441	4C	Conduit System	408.64	0.73	2.20	0.83	0.33	0.25	0.00	4.33
2422.11,.21	5C	Underground Cable - Metallic	205.53	1.56	0.96	0.36	0.16	0.52	0.00	3.57
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.92
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.93
2423.11,.21	45C	Buried Cable - Metallic	1,508.92	7.66	7.17	2.71	1.20	6.62	0.00	25.36
2421.11,.21	52C	Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.47
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.60
2422.12,.22	85C	Underground Cable - NonMetallic	72.76	0.43	0.34	0.13	0.06	0.11	0.00	1.07
2423.12,.22	845C	Buried Cable - NonMetallic	60.46	0.31	0.29	0.11	0.05	0.12	0.00	0.87
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	**6,916.66**	**48.03**	**30.46**	**11.52**	**5.50**	**14.20**	**0.00**	**109.72**

DS1 Capable 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	9.86
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	55.59	0.57	0.17	0.06	0.04	0.01	0.00	0.86
2431	3C	Aerial Wire	7.19	0.16	0.05	0.02	0.01	0.01	0.00	0.26
2441	4C	Conduit System	214.43	0.38	1.15	0.44	0.17	0.13	0.00	2.27
2422.11,.21	5C	Underground Cable - Metallic	111.84	0.85	0.52	0.20	0.09	0.29	0.00	1.94
2423.11	35C	Buried Cable - Drop	233.36	1.18	1.11	0.42	0.19	1.02	0.00	3.92
2421.11	42C	Aerial Cable - Drop	36.95	0.32	0.17	0.06	0.03	0.34	0.00	0.93
2423.11,.21	45C	Buried Cable - Metallic	1,636.74	8.31	7.78	2.94	1.30	7.18	0.00	27.51
2421.11,.21	52C	Aerial Cable - Metallic	58.68	0.51	0.27	0.10	0.05	0.54	0.00	1.47
2426.1	62C	Intrabuilding Network Cable - Metallic	38.24	0.20	0.19	0.07	0.03	0.11	0.00	0.60
2422.12,.22	85C	Underground Cable - NonMetallic	214.14	1.26	1.01	0.38	0.17	0.34	0.00	3.16
2423.12,.22	845C	Buried Cable - NonMetallic	160.36	0.81	0.76	0.29	0.13	0.31	0.00	2.30
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

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
		Total	**6,997.87**	**48.96**	**30.72**	**11.62**	**5.57**	**14.82**	**0.00**	**111.70**

DS1 Capable Feeder Loop Statewide

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	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**

DS1 Capable Feeder Loop Zone 1

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	45C	Buried Cable - Metallic	31.84	0.16	0.15	0.06	0.03	0.14	0.00	0.54
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	53.84	0.32	0.25	0.10	0.04	0.08	0.00	0.79
2423.12,.22	845C	Buried Cable - NonMetallic	46.66	0.24	0.22	0.08	0.04	0.09	0.00	0.67
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

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South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)

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	76.31

DS1 Capable Feeder Loop 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
2232.2	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	408.64	0.73	2.20	0.83	0.33	0.25	0.00	4.33
2422.11,.21	5C	Underground Cable - Metallic	193.36	1.47	0.91	0.34	0.15	0.49	0.00	3.36
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	45.24	0.23	0.22	0.08	0.04	0.20	0.00	0.76
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	72.76	0.43	0.34	0.13	0.06	0.11	0.00	1.07
2423.12,.22	845C	Buried Cable - NonMetallic	60.46	0.31	0.29	0.11	0.05	0.12	0.00	0.87
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	5,010.80	37.56	21.49	8.13	3.99	5.71	0.00	76.86

DS1 Capable Feeder 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	9.86
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	214.43	0.38	1.15	0.44	0.17	0.13	0.00	2.27
2422.11,.21	5C	Underground Cable - Metallic	99.68	0.76	0.47	0.18	0.08	0.25	0.00	1.73
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	173.06	0.88	0.82	0.31	0.14	0.76	0.00	2.91
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	214.14	1.26	1.01	0.38	0.17	0.34	0.00	3.16
2423.12,.22	845C	Buried Cable - NonMetallic	160.36	0.81	0.76	0.29	0.13	0.31	0.00	2.30
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	5,092.01	38.49	21.75	8.23	4.05	6.32	0.00	78.84

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South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)

DS3 Capable Loop Statewide

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	2,562.38	4.58	13.79	5.22	2.04	1.55	0.00	27.17
2422.12,.22	85C	Underground Cable - NonMetallic	1,292.69	7.62	6.09	2.30	1.03	2.04	0.00	19.08
2423.12,.22	845C	Buried Cable - NonMetallic	11,389.49	57.80	54.16	20.48	9.06	21.90	0.00	163.40
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	**43,536.71**	**315.41**	**185.88**	**70.29**	**34.63**	**52.93**	**0.00**	**659.15**

DS3 Capable Loop Zone 1

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	3,186.84	5.69	17.16	6.49	2.54	1.92	0.00	33.80
2422.12,.22	85C	Underground Cable - NonMetallic	1,580.57	9.32	7.45	2.82	1.26	2.49	0.00	23.33
2423.12,.22	845C	Buried Cable - NonMetallic	3,921.51	19.90	18.65	7.05	3.12	7.54	0.00	56.26
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	**36,981.08**	**280.32**	**155.09**	**58.65**	**29.42**	**39.40**	**0.00**	**562.88**

DS3 Capable Loop Zone 2

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	3,189.15	5.70	17.17	6.49	2.54	1.92	0.00	33.82
2422.12,.22	85C	Underground Cable - NonMetallic	1,581.63	9.32	7.45	2.82	1.26	2.49	0.00	23.35
2423.12,.22	845C	Buried Cable - NonMetallic	5,675.15	28.80	26.99	10.20	4.51	10.91	0.00	81.42
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	**38,738.08**	**289.23**	**163.45**	**61.81**	**30.82**	**42.78**	**0.00**	**588.08**

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South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)

DS3 Capable Loop Zone 3

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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**

	A	B	C	D	E	F	G	H	I
1	Investment								
2	STUDY	South Dakota HICAP UNBUNDLED NETWORK ELEMENTS (UNE)							
3	DATE	5/29/02						NAC Model	
4	GROUP	DS1 Capable Loop Statewide						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
5	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
6	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
7	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
8	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
9	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
10	LOADED	SD	55.5937289583	0.	0.	1C	POLES		
11	LOADED	SD	7.1942998523	0.	0.	3C	C WIRE		
12	LOADED	SD	321.2503464796	0.	0.	4C	CONDUIT SYSTEMS		
13	LOADED	SD	163.602895084	0.	0.	5C	UNDERGROUND CABLE METALLIC		
14	LOADED	SD	233.3641438639	0.	0.	35C	BURIED DROP		
15	LOADED	SD	36.9512891741	0.	0.	42C	AERIAL DROP		
16	LOADED	SD	1,563.3892567875	0.	0.	45C	BURIED CABLE METALLIC		
17	LOADED	SD	58.6804805493	0.	0.	52C	AERIAL CABLE METALLIC		
18	LOADED	SD	38.2355409009	0.	0.	62C	INTRABUILDING CABLE METALLIC		
19	LOADED	SD	132.1117854055	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
20	LOADED	SD	102.2516975333	0.	0.	845C	BURIED CABLE NONMETALLIC		
21	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
22	GROUP	DS1 Capable Loop Zone 1						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
23	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
24	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
25	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
26	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
27	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
28	LOADED	SD	55.5937289583	0.	0.	1C	POLES		
29	LOADED	SD	7.1942998523	0.	0.	3C	C WIRE		
30	LOADED	SD	415.9810285981	0.	0.	4C	CONDUIT SYSTEMS		
31	LOADED	SD	209.6134687165	0.	0.	5C	UNDERGROUND CABLE METALLIC		
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.	52C	AERIAL CABLE METALLIC		
36	LOADED	SD	38.2355409009	0.	0.	62C	INTRABUILDING CABLE METALLIC		
37	LOADED	SD	53.8372811089	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
38	LOADED	SD	46.6639043162	0.	0.	845C	BURIED CABLE NONMETALLIC		
39	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
40	GROUP	DS1 Capable Loop Zone 2						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
41	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
42	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
43	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
44	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
45	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
46	LOADED	SD	55.5937289583	0.	0.	1C	POLES		
47	LOADED	SD	7.1942998523	0.	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		

	A	B	C	D	E	F	G	H	I
50	LOADED	SD	233.3641438639	0.	0.	35C	BURIED DROP		
51	LOADED	SD	36.9512891741	0.	0.	42C	AERIAL DROP		
52	LOADED	SD	1,508.9216410442	0.	0.	45C	BURIED CABLE METALLIC		
53	LOADED	SD	58.6804805493	0.	0.	52C	AERIAL CABLE METALLIC		
54	LOADED	SD	38.2355409009	0.	0.	62C	INTRABUILDING CABLE METALLIC		
55	LOADED	SD	72.7574225311	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
56	LOADED	SD	60.4575688532	0.	0.	845C	BURIED CABLE NONMETALLIC		
57	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
58	GROUP	DS1 Capable Loop Zone 3						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
59	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
60	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
61	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
62	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
63	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
64	LOADED	SD	55.5937289583	0.	0.	1C	POLES		
65	LOADED	SD	7.1942998523	0.	0.	3C	C WIRE		
66	LOADED	SD	214.4298511841	0.	0.	4C	CONDUIT SYSTEMS		
67	LOADED	SD	111.842528843	0.	0.	5C	UNDERGROUND CABLE METALLIC		
68	LOADED	SD	233.3641438639	0.	0.	35C	BURIED DROP		
69	LOADED	SD	36.9512891741	0.	0.	42C	AERIAL DROP		
70	LOADED	SD	1,636.7439552761	0.	0.	45C	BURIED CABLE METALLIC		
71	LOADED	SD	58.6804805493	0.	0.	52C	AERIAL CABLE METALLIC		
72	LOADED	SD	38.2355409009	0.	0.	62C	INTRABUILDING CABLE METALLIC		
73	LOADED	SD	214.1408317398	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
74	LOADED	SD	160.362275038	0.	0.	845C	BURIED CABLE NONMETALLIC		
75	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
76	GROUP	DS1 Capable Feeder Loop Statewide						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
77	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
78	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
79	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
80	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
81	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
82	LOADED	SD	0.	0.	0.	1C	POLES		
83	LOADED	SD	0.	0.	0.	3C	C WIRE		
84	LOADED	SD	321.2503464796	0.	0.	4C	CONDUIT SYSTEMS		
85	LOADED	SD	151.439840037	0.	0.	5C	UNDERGROUND CABLE METALLIC		
86	LOADED	SD	0.	0.	0.	35C	BURIED DROP		
87	LOADED	SD	0.	0.	0.	42C	AERIAL DROP		
88	LOADED	SD	99.7077227731	0.	0.	45C	BURIED CABLE METALLIC		
89	LOADED	SD	0.	0.	0.	52C	AERIAL CABLE METALLIC		
90	LOADED	SD	0.	0.	0.	62C	INTRABUILDING CABLE METALLIC		
91	LOADED	SD	132.1117854055	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
92	LOADED	SD	102.2516975333	0.	0.	845C	BURIED CABLE NONMETALLIC		
93	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
94	GROUP	DS1 Capable Feeder Loop Zone 1						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
95	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
96	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
97	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
98	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		

	A	B	C	D	E	F	G	H	I
99	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
100	LOADED	SD	0.	0.	0.	1C	POLES		
101	LOADED	SD	0.	0.	0.	3C	C WIRE		
102	LOADED	SD	415.9810285981	0.	0.	4C	CONDUIT SYSTEMS		
103	LOADED	SD	197.4504136695	0.	0.	5C	UNDERGROUND CABLE METALLIC		
104	LOADED	SD	0.	0.	0.	35C	BURIED DROP		
105	LOADED	SD	0.	0.	0.	42C	AERIAL DROP		
106	LOADED	SD	31.8429671013	0.	0.	45C	BURIED CABLE METALLIC		
107	LOADED	SD	0.	0.	0.	52C	AERIAL CABLE METALLIC		
108	LOADED	SD	0.	0.	0.	62C	INTRABUILDING CABLE METALLIC		
109	LOADED	SD	53.8372811089	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
110	LOADED	SD	46.6639043162	0.	0.	845C	BURIED CABLE NONMETALLIC		
111	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
112	GROUP	DS1 Capable Feeder Loop Zone 2						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
113	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
114	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
115	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
116	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
117	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
118	LOADED	SD	0.	0.	0.	1C	POLES		
119	LOADED	SD	0.	0.	0.	3C	C WIRE		
120	LOADED	SD	408.643089581	0.	0.	4C	CONDUIT SYSTEMS		
121	LOADED	SD	193.3632427727	0.	0.	5C	UNDERGROUND CABLE METALLIC		
122	LOADED	SD	0.	0.	0.	35C	BURIED DROP		
123	LOADED	SD	0.	0.	0.	42C	AERIAL DROP		
124	LOADED	SD	45.2401070299	0.	0.	45C	BURIED CABLE METALLIC		
125	LOADED	SD	0.	0.	0.	52C	AERIAL CABLE METALLIC		
126	LOADED	SD	0.	0.	0.	62C	INTRABUILDING CABLE METALLIC		
127	LOADED	SD	72.7574225311	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
128	LOADED	SD	60.4575688532	0.	0.	845C	BURIED CABLE NONMETALLIC		
129	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC		
130	GROUP	DS1 Capable Feeder Loop Zone 3						SDDS10402v2.1ZONESnin	Investments by zone WINPC3
131	LOADED	SD	570.2466634523	0.	0.	357C	CIRCUIT-OTHER DIGITAL		
132	LOADED	SD	2,202.7670196149	0.	7.7202522371	257C	CIRCUIT-DIGITAL		
133	LOADED	SD	624.2661070353	0.	4.5417630941	257CP	CIRCUIT-DIGITAL -PREMISES		
134	LOADED	SD	211.6497264192	0.	0.	257CS	CIRCUIT-DIGITAL SONET		
135	LOADED	SD	0.	0.	0.	257CSP	CIRCUIT-DIGITAL SONET-PREMISES		
136	LOADED	SD	0.	0.	0.	1C	POLES		
137	LOADED	SD	0.	0.	0.	3C	C WIRE		
138	LOADED	SD	214.4298511841	0.	0.	4C	CONDUIT SYSTEMS		
139	LOADED	SD	99.679473796	0.	0.	5C	UNDERGROUND CABLE METALLIC		
140	LOADED	SD	0.	0.	0.	35C	BURIED DROP		
141	LOADED	SD	0.	0.	0.	42C	AERIAL DROP		
142	LOADED	SD	173.0624212617	0.	0.	45C	BURIED CABLE METALLIC		
143	LOADED	SD	0.	0.	0.	52C	AERIAL CABLE METALLIC		
144	LOADED	SD	0.	0.	0.	62C	INTRABUILDING CABLE METALLIC		
145	LOADED	SD	214.1408317398	0.	0.	85C	UNDERGROUND CABLE NONMETALLIC		
146	LOADED	SD	160.362275038	0.	0.	845C	BURIED CABLE NONMETALLIC		
147	LOADED	SD	0.	0.	0.	862C	INTRABUILDING CABLE NONMETALLIC	NAC Model	

	A	B	C	D	E	F	G	H	I
148	GROUP	DS3 Capable Loop Statewide						SDDS30502v2.1ZONES	Investments by zone WINPC3
149	LOADED	SD	1,800.4672		0.	357C	SWC DCS		
150	LOADED	SD	334.7216057122		0.	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		
155	LOADED	SD	1,292.6860746065		0.	85C	UNDERGROUND FIBER		
156	LOADED	SD	11,389.4923965712		0.	845C	BURIED FIBER		
157	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		
158	GROUP	DS3 Capable Loop Zone 1						SDDS30502v2.1ZONES	Investments by zone WINPC3
159	LOADED	SD	1,800.4672		0.	357C	SWC DCS		
160	LOADED	SD	334.7216057122		0.	257C	SWC NODE		
161	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
162	LOADED	SD	6,991.3134493746		0.	257CS	SWC SONET		
163	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		
166	LOADED	SD	3,921.5122880122		0.	845C	BURIED FIBER		
167	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		
168	GROUP	DS3 Capable Loop Zone 2						SDDS30502v2.1ZONES	Investments by zone WINPC3
169	LOADED	SD	1,800.4672		0.	357C	SWC DCS		
170	LOADED	SD	334.7216057122		0.	257C	SWC NODE		
171	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
172	LOADED	SD	6,991.3134493746		0.	257CS	SWC SONET		
173	LOADED	SD	16,949.3362452857		134.3082405714	257CSP	PREMISES SONET		
174	LOADED	SD	3,189.1452436154		0.	4C	STRUCTURE		
175	LOADED	SD	1,581.6303970719		0.	85C	UNDERGROUND FIBER		
176	LOADED	SD	5,675.1522598682		0.	845C	BURIED FIBER		
177	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		
178	GROUP	DS3 Capable Loop Zone 3						SDDS30502v2.1ZONES	Investments by zone WINPC3
179	LOADED	SD	1,800.4672		0.	357C	SWC DCS		
180	LOADED	SD	334.7216057122		0.	257C	SWC NODE		
181	LOADED	SD	170.0242057143		0.8725257143	257CP	PREMISES NODE		
182	LOADED	SD	6,991.3134493746		0.	257CS	SWC SONET		
183	LOADED	SD	16,949.3362452857		134.3082405714	257CSP	PREMISES SONET		
184	LOADED	SD	1,846.382132671		0.	4C	STRUCTURE		
185	LOADED	SD	962.6046859909		0.	85C	UNDERGROUND FIBER		
186	LOADED	SD	19,236.3732638631		0.	845C	BURIED FIBER		
187	LOADED	SD	53.2758576923		0.	862C	BUILDING FIBER		

	A	B
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6430	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	ACFIN													
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

	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1															
2															
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	EXTERN	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	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 02V1.*												
5	*-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 02/02.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 02/02.*												
10	*-DIRECTLY ASSIGNED expense factors released 04/02.*												
11	*-BUSINESS FEES released 04/02.*												
12	*-COMMON Expense released 04/02.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 01/01.*												
14	*-POWER investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 02/02.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 04/02.*												
20	*-SALES EXPENSE factor released 04/02.*												
21	*-PRODUCT MANAGEMENT factor released 04/02.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35	***State:***														
36															
37															
38	State:	South Dakota													
39															
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	0.034832	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	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
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
52	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
56	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
57	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
58	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
59	862C	0.062692	0.058372	0.022074	0.017856	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
34														
35														
36														
37														
38														
39														
40	**COMPTR**	**UNCOLL**	**ACCNT**	**HREXP**	**INTAN**	**EXEC**	**PLAN**	**EXTERN**	**INFOR**	**LEGAL**	**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
56	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
57	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
58	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
59	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
60	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

tructions 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".

Qwest.

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

Table of Contents

Page   Section 1 – Study Output

Section 2 – Cost Calculations

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 ELEMENTS (UNE) OCN*	
Study Requester	*Robyn Libadia*	
Type of Study	*TELRIC*	
Study ID	*6431*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 29, 2002*	
Cost Analyst	*David Workman*	
Study Review	**Reviewer**	**Date**
		May 29, 2002
Models Used	**Model**	**Version**
	NACmod	*OCNZones0502*
	Wholesale Cost Program	*2.08*
	Cost Factor Databases	*02SD01E*
	Cost Factors Model (TELRIC)	*02V1*
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*
	Billing & Collection (PL)	*01/01*
	Other Direct Expenses	*04/02*
	Common	*04/02*
	Cost Of Money	*10.14%*
Inflation		
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"

State: South Dakota

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 REMOTE NODE	OC-3 DS1 REMOTE PORT	OC-3 DS3 REMOTE PORT	OC-12 E-UDIT REMOTE NODE	OC-12 DS1 REMOTE PORT	OC-12 DS3 REMOTE PORT
			A	B	C	D	E	F	G
1	**Investment**	sl r"Total" cD		21,663.90	166.37	2,244.08	40,757.71	576.20	1,509.31
2									
3	***Investment Based Costs***	***sl r"Total" cK***		347.41	2.67	35.99	653.60	9.24	24.20
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	1.50	0.01	0.15	2.81	0.04	0.10
8	***Total Investment Based + Billing & Collection***			348.91	2.68	36.14	656.42	9.28	24.31
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	6.96	0.05	0.72	13.10	0.19	0.49
12	Sales Expense	cA*(r8-r6)	0.011877	4.14	0.03	0.43	7.80	0.11	0.29
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	0.53	0.00	0.06	1.00	0.01	0.04
15	***Marketing & Business Fees Total***	***Sum r11:r14***		11.64	0.09	1.21	21.90	0.31	0.81
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		360.55	2.77	37.35	678.32	9.59	25.12
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	12.56	0.10	1.30	23.63	0.33	0.87
21	Network Support Assets	cA*(r17-r6)	0.014703	5.30	0.04	0.55	9.97	0.14	0.37
22	General Support Assets	cA*(r17-r6)	0.088742	32.00	0.25	3.31	60.20	0.85	2.23
23	General Purpose Computers	cA*(r17-r6)	0.043342	15.63	0.12	1.62	29.40	0.42	1.09
24	Uncollectible	cA*(r17-r6)	0.003786	1.37	0.01	0.14	2.57	0.04	0.10
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	2.65	0.02	0.27	4.98	0.07	0.18
26	Human Resources Expense	cA*(r17-r6)	0.008294	2.99	0.02	0.31	5.63	0.08	0.21
27	Information Management Expense	cA*(r17-r6)	0.070887	25.56	0.20	2.65	48.08	0.68	1.78
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***		98.04	0.75	10.16	184.46	2.61	6.83
30									
31	***TELRIC***	***r17 + r29***		458.59	3.52	47.50	862.78	12.20	31.95
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	5.17	0.04	0.54	9.72	0.14	0.36
35	Planning Expense	cA*(r31-r6)	0.000525	0.24	0.00	0.02	0.45	0.01	0.02
36	External Relations Expense	cA*(r31-r6)	0.037846	17.36	0.13	1.80	32.65	0.46	1.21
37	Legal Expense	cA*(r31-r6)	0.004717	2.16	0.02	0.22	4.07	0.06	0.15
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.85	0.01	0.09	1.60	0.02	0.06
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.00	0.00	0.01	0.00	0.00
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	6.91	0.05	0.72	13.00	0.18	0.48
41	***Common Costs***	***Sum r34:r40***		32.69	0.25	3.39	61.50	0.87	2.28
42									
43	***TELRIC + Common Costs***	***r31 + r41***		491.28	3.77	50.89	924.28	13.07	34.23

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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
			A	H	I	J	K	L	M
1	Investment	sl r"Total" cD		4,740.47	146,893.09	1,024.02	5,576.97	21,978.33	45,904.82
2									
3	***Investment Based Costs***	***sl r"Total" cK***		76.02	2,355.63	16.42	89.43	352.45	662.00
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	10.14	0.07	0.38	1.52	2.85
8	***Total Investment Based + Billing & Collection***			76.35	2,365.77	16.49	89.82	353.97	664.85
9									
10	***Marketing & Business Fees***								
11	Product Management Expense	cA*(r8-r6)	0.019957	1.52	47.21	0.33	1.79	7.06	13.27
12	Sales Expense	cA*(r8-r6)	0.011877	0.91	28.10	0.20	1.07	4.20	7.90
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	0.12	3.62	0.03	0.14	0.54	1.02
15	***Marketing & Business Fees Total***	***Sum r11:r14***		2.55	78.93	0.55	3.00	11.81	22.18
16									
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		78.89	2,444.70	17.04	92.82	365.78	687.03
18									
19	***Other Direct Expenses***								
20	Network Operations	cA*(r17-r6)	0.034832	2.75	85.15	0.59	3.23	12.74	23.93
21	Network Support Assets	cA*(r17-r6)	0.014703	1.16	35.95	0.25	1.36	5.38	10.10
22	General Support Assets	cA*(r17-r6)	0.088742	7.00	216.95	1.51	8.24	32.46	60.97
23	General Purpose Computers	cA*(r17-r6)	0.043342	3.42	105.96	0.74	4.02	15.85	29.78
24	Uncollectible	cA*(r17-r6)	0.003786	0.30	9.26	0.06	0.35	1.38	2.60
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	0.58	17.96	0.13	0.68	2.69	5.05
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.65	20.28	0.14	0.77	3.03	5.70
27	Information Management Expense	cA*(r17-r6)	0.070887	5.59	173.30	1.21	6.58	25.93	48.70
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***		21.45	664.79	4.63	25.24	99.47	186.83
30									
31	***TELRIC***	***r17 + r29***		100.35	3,109.49	21.68	118.06	465.25	873.86
32									
33	***Common***								
34	Executive Expense	cA*(r31-r6)	0.011267	1.13	35.04	0.24	1.33	5.24	9.85
35	Planning Expense	cA*(r31-r6)	0.000525	0.05	1.63	0.01	0.06	0.24	0.46
36	External Relations Expense	cA*(r31-r6)	0.037846	3.80	117.68	0.82	4.47	17.61	33.07
37	Legal Expense	cA*(r31-r6)	0.004717	0.47	14.67	0.10	0.56	2.19	4.12
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.19	5.78	0.04	0.22	0.87	1.62
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.00	0.02	0.00	0.00	0.00	0.01
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	1.51	46.84	0.33	1.78	7.01	13.16
41	***Common Costs***	***Sum r34:r40***		7.15	221.66	1.55	8.42	33.17	62.29
42									
43	***TELRIC + Common Costs***	***r31 + r41***		107.50	3,331.15	23.22	126.47	498.41	936.15

Row	5/29/0 .39 PM South Dakota	Source or Calculation	Factor Value	OC-12 CAPABLE LOOP STATE AVERAGE	OC-48 CAPABLE LOOP STATE AVERAGE
			A	N	O
1	**Investment**	sl r"Total" cD		65,472.60	182,787.95
2					
3	***Investment Based Costs***	***sl r"Total" cK***		964.47	2,777.92
4					
5	Direct Expenses			0.00	0.00
6	Miscellaneous Expenses			0.00	0.00
7	Billing & Collection - PL	cA*(r8-r6)	0.004304	4.15	11.96
8	***Total Investment Based + Billing & Collection***			968.63	2,789.87
9					
10	***Marketing & Business Fees***				
11	Product Management Expense	cA*(r8-r6)	0.019957	19.33	55.68
12	Sales Expense	cA*(r8-r6)	0.011877	11.50	33.14
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	1.48	4.27
15	***Marketing & Business Fees Total***	***Sum r11:r14***		32.32	93.08
16					
17	***Sub-Total Invst., B & C, Mktg***	***r8 + r15***		1,000.94	2,882.96
18					
19	***Other Direct Expenses***				
20	Network Operations	cA*(r17-r6)	0.034832	34.86	100.42
21	Network Support Assets	cA*(r17-r6)	0.014703	14.72	42.39
22	General Support Assets	cA*(r17-r6)	0.088742	88.83	255.84
23	General Purpose Computers	cA*(r17-r6)	0.043342	43.38	124.95
24	Uncollectible	cA*(r17-r6)	0.003786	3.79	10.91
25	Accounting & Finance Expense	cA*(r17-r6)	0.007346	7.35	21.18
26	Human Resources Expense	cA*(r17-r6)	0.008294	8.30	23.91
27	Information Management Expense	cA*(r17-r6)	0.070887	70.95	204.36
28	Intangibles	cA*(r17-r6)	0.000000	0.00	0.00
29	***Total Other Direct Expenses***	***Sum r20:r28***		272.19	783.97
30					
31	***TELRIC***	***r17 + r29***		1,273.13	3,666.93
32					
33	***Common***				
34	Executive Expense	cA*(r31-r6)	0.011267	14.34	41.32
35	Planning Expense	cA*(r31-r6)	0.000525	0.67	1.93
36	External Relations Expense	cA*(r31-r6)	0.037846	48.18	138.78
37	Legal Expense	cA*(r31-r6)	0.004717	6.01	17.30
38	Other Procurement Expense	cA*(r31-r6)	0.001860	2.37	6.82
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.01	0.02
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	19.18	55.24
41	***Common Costs***	***Sum r34:r40***		90.76	261.40
42					
43	***TELRIC + Common Costs***	***r31 + r41***		1,363.89	3,928.32

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UNBUNDLED NETWORK ELEMENTS (UNE) OCN

OC-3 E-UDIT REMOTE NODE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	21,663.90	198.08	82.06	31.03	17.23	19.01	0.00	347.41
		Total	**21,663.90**	**198.08**	**82.06**	**31.03**	**17.23**	**19.01**	**0.00**	**347.41**

OC-3 DS1 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	166.37	1.52	0.63	0.24	0.13	0.15	0.00	2.67
		Total	**166.37**	**1.52**	**0.63**	**0.24**	**0.13**	**0.15**	**0.00**	**2.67**

OC-3 DS3 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	2,244.08	20.52	8.50	3.21	1.79	1.97	0.00	35.99
		Total	**2,244.08**	**20.52**	**8.50**	**3.21**	**1.79**	**1.97**	**0.00**	**35.99**

OC-12 E-UDIT REMOTE NODE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	40,757.71	372.65	154.39	58.38	32.42	35.76	0.00	653.60
		Total	**40,757.71**	**372.65**	**154.39**	**58.38**	**32.42**	**35.76**	**0.00**	**653.60**

OC-12 DS1 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	576.20	5.27	2.18	0.83	0.46	0.51	0.00	9.24
		Total	**576.20**	**5.27**	**2.18**	**0.83**	**0.46**	**0.51**	**0.00**	**9.24**

OC-12 DS3 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	1,509.31	13.80	5.72	2.16	1.20	1.32	0.00	24.20
		Total	**1,509.31**	**13.80**	**5.72**	**2.16**	**1.20**	**1.32**	**0.00**	**24.20**

OC-12 OC3 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	4,740.47	43.34	17.96	6.79	3.77	4.16	0.00	76.02
		Total	**4,740.47**	**43.34**	**17.96**	**6.79**	**3.77**	**4.16**	**0.00**	**76.02**

OC-48 E-UDIT REMOTE NODE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	146,893.09	1,343.06	556.41	210.42	116.86	128.88	0.00	2,355.63
		Total	**146,893.09**	**1,343.06**	**556.41**	**210.42**	**116.86**	**128.88**	**0.00**	**2,355.63**

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UNBUNDLED NETWORK ELEMENTS (UNE) OCN

OC-48 DS3 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	1,024.02	9.36	3.88	1.47	0.81	0.90	0.00	16.42
		Total	**1,024.02**	**9.36**	**3.88**	**1.47**	**0.81**	**0.90**	**0.00**	**16.42**

OC-48 OC3 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	5,576.97	50.99	21.12	7.99	4.44	4.89	0.00	89.43
		Total	**5,576.97**	**50.99**	**21.12**	**7.99**	**4.44**	**4.89**	**0.00**	**89.43**

OC-48 OC12 REMOTE PORT

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CSP	Subscriber Pair Gain (SONET - Customer Prer	21,978.33	200.95	83.25	31.48	17.48	19.28	0.00	352.45
		Total	**21,978.33**	**200.95**	**83.25**	**31.48**	**17.48**	**19.28**	**0.00**	**352.45**

OC-3 CAPABLE LOOP STATE AVERAGE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	14,279.25	130.56	54.09	20.45	11.36	12.53	0.00	228.99
2441	4C	Conduit System	4,783.61	8.55	25.75	9.74	3.81	2.89	0.00	50.73
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	54.71	0.00	0.44	0.17	0.04	0.06		0.71
2121	110C	Building	2,929.57	6.30	18.28	6.91	2.33	3.12		36.94
		Total	**45,904.82**	**270.51**	**211.51**	**79.99**	**36.52**	**63.47**	**0.00**	**662.00**

OC-12 CAPABLE LOOP STATE AVERAGE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	30,537.44	279.21	115.67	43.74	24.29	26.79	0.00	489.71
2441	4C	Conduit System	4,783.61	8.55	25.75	9.74	3.81	2.89	0.00	50.73
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	115.39	0.00	0.93	0.35	0.09	0.12		1.49
2121	110C	Building	6,178.49	13.29	38.55	14.58	4.92	6.58		77.91
		Total	**65,472.60**	**426.15**	**293.86**	**111.13**	**52.09**	**81.25**	**0.00**	**964.47**

OC-48 CAPABLE LOOP STATE AVERAGE

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2232.2	257CS	Subscriber Pair Gain Equipment (SONET)	128,010.68	1,170.42	484.89	183.37	101.84	112.32	0.00	2,052.82
2441	4C	Conduit System	4,783.61	8.55	25.75	9.74	3.81	2.89	0.00	50.73

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Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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
		Total	**182,787.95**	**1,359.27**	**787.53**	**297.81**	**145.41**	**187.89**	**0.00**	**2,777.92**

	A	B	C	D	E	F	G	H
1	Investment							
2	STUDY	UNBUNDLED NETWORK ELEMENTS (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						
9	LOADED	SD	2,223.6898744444		20.3857674074	257CSP	DS3 REMOTE PORT	OCNZones0502
10	GROUP	OC-12 E-UDIT REMOTE NODE						
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						
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						
25	LOADED	SD	21,784.2082133333		194.1199644444	257CSP	OC12 REMOTE PORT	OCNZones0502
26	GROUP	OC-3 CAPABLE LOOP STATE AVERAGE						NACmod
27	LOADED	SD	14,279.2474555454		0.	257CS	CO NODE	OCNZones0502
28	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	
29	LOADED	SD	2,999.9466536105		0.	85C	UNDERGROUND FIBER	
30	LOADED	SD	20,396.9305180157		0.	845C	BURIED FIBER	
31	LOADED	SD	79.9468703282		0.	862C	BUILDING FIBER	
32	LOADED	SD	380.8542208		0.	357C	ALTERNATE CO FDP	
33	GROUP	OC-12 CAPABLE LOOP STATE AVERAGE						
34	LOADED	SD	30,537.4417965333		0.	257CS	CO NODE	OCNZones0502

	A	B	C	D	E	F	G	H
35	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	
36	LOADED	SD	2,999.9466536105		0.	85C	UNDERGROUND FIBER	
37	LOADED	SD	20,396.9305180157		0.	845C	BURIED FIBER	
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 STATE AVERAGE						
41	LOADED	SD	128,010.679721833		0.	257CS	CO NODE	OCNZones0502
42	LOADED	SD	4,783.6117804645		0.	4C	STRUCTURE	
43	LOADED	SD	2,999.9466536105		0.	85C	UNDERGROUND FIBER	
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	

	A	B
1	Parameter	
2	SD	
3	7	
4	2	
5	Monthly	12
6	Yes	
7	No	
8		
9	11	
10	6431	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	ACFIN													
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

	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1															
2															
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	EXTERN	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	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02												
3	-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).												
4	-Factors loaded from Factors Model (Expense Module), Version 02V1.												
5	-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost												
6	Of Money. No 1-10 year factors developed.												
7	-MAINTENANCE factors released 02/02.												
8	-RTU factors released 02/01.												
9	-AD VALOREM Tax released 02/02.												
10	-DIRECTLY ASSIGNED expense factors released 04/02.												
11	-BUSINESS FEES released 04/02.												
12	-COMMON Expense released 04/02.												
13	-TOTAL INSTALLED FACTORS (TIF) released 01/01.												
14	-POWER investment factors released 01/01.												
15	-SALES TAX released 01/01.												
16	-TELCO Engineering factors released 01/01.												
17	-INTEREST DURING CONSTRUCTION released 01/01.												
18	-LAND AND BUILDING factors released 02/02.												
19	-DIRECTLY ATTRIBUTABLE expense factors released 04/02.												
20	-SALES EXPENSE factor released 04/02.												
21	-PRODUCT MANAGEMENT factor released 04/02.												
22	-BILLING & COLLECTION factor released 01/01.												
23	-PROVISIONING factors released 01/01.												
24	-TELEPHONE PLANT INDEX released 01/01.												
25	-STRUCTURE RATIO released 01/01.												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34	***State:***														
35															
36	***ACCOUNTS***														
37															
38	State:	South Dakota													
39															
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	0.034832	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	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
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
52	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
56	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
57	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
58	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
59	862C	0.062692	0.058372	0.022074	0.017856	0.009546	0.000000	0.000000	0.019957	0.011877	0.000000	0.001483	0.034832	0.014703	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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
34														
35														
36														
37														
38														
39														
40	**COMPTR**	**UNCOLL**	**ACCNT**	**HREXP**	**INTAN**	**EXEC**	**PLAN**	**EXTERN**	**INFOR**	**LEGAL**	**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
56	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
57	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
58	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
59	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
60	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

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 s
   The investments will be copied into the cells in the TAB "Zone Investments for WINPC3" and the T
   "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 Category 11, May 2002.XLS must be input into the **"WINPC3 Investments" tab** of Category 11, May 2002.XLS.

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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SECTION A – STUDY OUTPUT

SECTION B – COST CALCULATIONS

SECTION C – SOURCE DATA

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 _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

F. Study Summary

Study Name	*2002 CATEGORY 11*	
Study Requester	*D. Gollehon*	
Type of Study	*TELRIC*	
Study ID	*6432*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 20, 2002*	
Cost Analyst	*Deborah Taylor*	
Study Review	**Reviewer**	**Date**
		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**
	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*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

Parameter File: H:\SLHILL-Team\B&C\STUDIES\category 11\SD SGAT,May 2002\Category 11, May 2002.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\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

Description	USOC	Loaded Investment	Direct Expense	Invst. Based & Mktg.	Network Support	Other Direct Expenses	TELRIC	Common	TELRIC + Common
Category 11 Cost per Record		$0.000283	$0.001072	$0.001177	$0.000058	$0.000320	$0.001498	$0.000107	$0.001604

5/20/0 :14 AM

Row	South Dakota	Source or Calculation	Factor Value	Category 11 Cost per Record
			A	B
1	**Investment**	sl r"Total" cD		0.000283
2				
3	***Investment Based Costs***	***sl r"Total" cK***		0.000068
4				
5	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
14	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				
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
26	Human Resources Expense	cA*(r17-r6)	0.008294	0.000010
27	Information Management Expense	cA*(r17-r6)	0.070887	0.000083
28	Intangibles	cA*(r17-r6)	0.000000	0.000000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.000320
30				
31	***TELRIC***	***r17 + r29***		0.001498
32				
33	***Common***			
34	Executive Expense	cA*(r31-r6)	0.011267	0.000017
35	Planning Expense	cA*(r31-r6)	0.000525	0.000001
36	External Relations Expense	cA*(r31-r6)	0.037846	0.000057
37	Legal Expense	cA*(r31-r6)	0.004717	0.000007
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.000003
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.000000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.000023
41	***Common Costs***	***Sum r34:r40***		0.000107
42				
43	***TELRIC + Common Costs***	***r31 + r41***		0.001604

5/20/02
South Dakota

2002 CATEGORY 11

Category 11 Cost per Record

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
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	0.000005	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	B	C	D	E	F	G	H
1	Investment							
2	STUDY	2002 CATEGORY 11						
3	DATE	5/4/00						
4	GROUP	Category 11 Cost per Record						Source
5	COMMON	SD	0.0001054855				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]

	A	B
1	Parameter	
2	SD	
3	7	
4	6	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	6432	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1	ACFIN																											
2	02SD01E																											
3	2124	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	POWER	SALES	TELCO	IDC	PRODMAN	SALESEXP	ADVER	BF	NTWKOP	NTWKST	GENLST	COMPTR	UNCOLL	ACCNT	HREXP	INTAN	EXEC	PLAN	EXTERN	INFOR	LEGAL	PROCR

	AC	AD
1		
2		
3	RDEXP	GENL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFOUT	Factors For: Interconnection											
2	*-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02*												
3	*-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).*												
4	*-Factors loaded from Factors Model (Expense Module), Version 02V1.*												
5	*-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost*												
6	*Of Money. No 1-10 year factors developed.*												
7	*-MAINTENANCE factors released 02/02.*												
8	*-RTU factors released 02/01.*												
9	*-AD VALOREM Tax released 02/02.*												
10	*-DIRECTLY ASSIGNED expense factors released 04/02.*												
11	*-BUSINESS FEES released 04/02.*												
12	*-COMMON Expense released 04/02.*												
13	*-TOTAL INSTALLED FACTORS (TIF) released 01/01.*												
14	*-POWER investment factors released 01/01.*												
15	*-SALES TAX released 01/01.*												
16	*-TELCO Engineering factors released 01/01.*												
17	*-INTEREST DURING CONSTRUCTION released 01/01.*												
18	*-LAND AND BUILDING factors released 02/02.*												
19	*-DIRECTLY ATTRIBUTABLE expense factors released 04/02.*												
20	*-SALES EXPENSE factor released 04/02.*												
21	*-PRODUCT MANAGEMENT factor released 04/02.*												
22	*-BILLING & COLLECTION factor released 01/01.*												
23	*-PROVISIONING factors released 01/01.*												
24	*-TELEPHONE PLANT INDEX released 01/01.*												
25	*-STRUCTURE RATIO released 01/01.*												
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35															
36															
37															
38	State:	South Dakota													
39															
40	**ACCOUNTS**	**DEPR-AVG**	**COM-AVG**	**IT-AVG**	**MTNC-TOT**	**ADVAL**	**POWER**	**SALES**	**TELCO**	**IDC**	**PRODMAN**	**SALESEXP**	**ADVER**	**BF**	**NTWKOP**
41	2124	0.164850	0.047620	0.018008	0.000000	0.009546	0.000000	0.056400	0.000000	0.006100	0.019957	0.011877	0.000000	0.001483	0.034832

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
34															
35															
36															
37															
38															
39															
40	**NTWKST**	**GENLST**	**COMPTR**	**UNCOLL**	**ACCNT**	**HREXP**	**INTAN**	**EXEC**	**PLAN**	**EXTERN**	**INFOR**	**LEGAL**	**PROCR**	**RDEXP**	**GENL**
41	0.014703	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

2002 CATEGORY 11

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		Annual 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		Hourly Labor Rate		Annual Programming Labor Expense
1,570.5	*	$60.49	=	$94,999.55

Total Annual Labor Expense

Annual MCR Labor Exp		Annual Programming Labor Exp		Total Annual Labor Expense		Annual CAT 11 Records		**Annual Labor Expense per Record**
$55,892.76	+	$94,999.55	=	$150,892.31	/	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]

2002 CATEGORY 11

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	$1,164,361.79	
	/ 5,403,212,856	NPV Annual CATEGORY 11 Records
Total Expense per Record	**$0.000215**	

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]

2002 CATEGORY 11

Tape Distribution

	12,972	Annual Tapes
*	$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

	1060.8	Annual Maintenance Hours
	$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

Tape

Expense/Record	$0.001293	*	52.6%	=	*$0.000680*

COMET - Internet

2124 Inv/Record	$0.000215	*	47.4%	=	*$0.000102*
Expense/Record	$0.000095	*	47.4%	=	*$0.000045*

2124 - Capital Investment per Record **$0.000102**

Total Expense per Record **$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		**MESSAGE**
Toll Data Entry		
	INVESTMENT	$0.000002
	EXPENSE	$0.000004
Toll Message Rating		
	INVESTMENT	$0.000003
	EXPENSE	$0.000006
Customer Billing		
	INVESTMENT	$0.000007
	EXPENSE	$0.000015
TOTAL ABOVE ELEMENTS		
	INVESTMENT	$0.000012
	EXPENSE	$0.000025
Collections		
	INVESTMENT	$0.000000
	EXPENSE	$0.000001
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.

2002 CATEGORY 11

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

QWEST	Jan-Dec 2001 Total Actual Access Records
Arizona	106,571,321
Colorado	117,218,038
Iowa	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

2002 Annual CATEGORY 11 - Wireline Transit Record Count	
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
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
Central Montana Communications - MT	3
Val-Ed Joint Venture L.L.P. - MN	14,564
Dakota Communications - MN	0
Mc Leod USA Tel Svcs - MN	398,159
Northern Valley Communications - SD	2,154
Dakota Telecommunications, Inc. - SD	0
Goldfield Access Network, L.C. - IA	0
Electric Lightwave - OR	800,128
Electric Lightwave - WA	790,061
Electric Lightwave - AZ	429,933
Electric Lightwave - UT	86,358
International Telcom, Ltd. - WA	327,239
All-Tel-Nebraska - NE	155,794
Electric Lightwave - ID	152,695
Mc Leod Telecom Svcs - MN	0
Saddleback Communications - AZ	0
Ottertail Telcom, L.L.C. - MN	16,954
(Jan. 2002) Total Month	3,184,220
2002 Projected Annual Wireline Transit	***38,210,640***

Note: Per product management, 2002 volumes constant through 2006.

Source: CRIS Regional Report, Lexcis Billing Group

2001 Annual CATEGORY 11 - Wireless Transit Record Count

Daily Usage extracted from XRU00243 - IABS to EWC CRIS

QWEST Daily Total	
4,015,451	
2,226,421	
1,738,448	
* 1,684,746	
3,658,387	
1,736,272	
15,059,725	6 Day Total
2,509,954	Daily Average
255	2001 Processing Days
640,038,313	***2001 Projected Annual Wireless Transit***

Note: Per product management, 2001 volumes constant through 2006.

Source: XRU00243 - IABS to EWC CRIS, Information Technologies

2002 Projected Annual CATEGORY 11-Ttl Transit Records

2002 Projected Annual Qwest	**678,248,953**

Note: Per product management, 2002 volumes constant through 2006.

2002 CATEGORY 11

CATEGORY 11 Projected Annual Records (5 Years)

	Year 1	Year 2	Year 3	Year 4	Year 5	**Net Present Value**	**Levelized 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**
TOTAL	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.

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
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.

Implementation Effort for a CLEC/ICO/Wireless MCRs

STREAMLINE Team:

Region	Functionality	Effort (in hours) Development	Management	Legacy	*TOTAL*
Central	Adding New Customers	34.0	7.0	5.0	*46.0*
	Changing Outgoing Type 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)	23.0	4.5	3.5	*31.0*
	Changing Outgoing Type of Transmission (Shared Status)	17.0	3.5	2.5	*23.0*
Western	Adding New Customers	47.0	9.0	7.0	*63.0*
	Changing Outgoing Type of Transmission	30.0	6.0	4.5	*40.5*

This information was provided by M. Schmaltz, Mgr. Software Development, Information Technologies an represents the 2001 actual labor hours (for these functions) done by the Streamline team. Work done by first level managers.

LEGACY Team:

Region	Functionality	Effort (in hours) Development	Management	*TOTAL*
Central	Adding New Customers	206.0	0.0	*206.0*
	Changing Outgoing Type of Transmission	0.0	0.0	*0.0*
Eastern	Adding New Customers	0.0	0.0	*0.0*
	Changing Outgoing Type of Transmission	1056.0	0.0	*1056.0*
Western	Adding New Customers	0.0	0.0	*0.0*
	Changing Outgoing Type of 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

d

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*	*$26,548.00*	
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*	*$125,440.00*	
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		**Monthly Mailout Tapes**		**Total Monthly Cost**
Bellevue Data Center		824 Tapes		$61,800
Denver Data Center		680 Tapes		$51,000
Omaha Data Center		1136 Tapes		$85,200
Salt Lake Data Center		288 Tapes		$21,600
	Total	2,928	Total	$219,600

$219,600 / 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 CENTER	# OF TAPES	Market 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

	Ellensburg Telephone Company	Omaha		WLM
	Enmr Telephone	Omaha	26	WLM
	Enron Corp. Tele. Corp.	Omaha	1	WLM
A07	Eschelon -(Minneapolis)	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
444	Frontier Comm	Omaha	8	WLM
444	Frontier Information	Omaha	47	WLM
	Frontier/MN (Rochester,ny)	Omaha	41	WLM
	Garden Valley Company	Omaha	9	WLM
8465	Global Crossings	Denver	9	WLM
	Grand River Mutual Telephone	Omaha	1	WLM
	Great Plains Comm	Omaha	9	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
K05	Knight Communications INC.	Denver	1	WLM
	Lakedale Telephone	Omaha	9	WLM
	Linn County	Omaha	2	WLM
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
f360	McLeod USA Operations - Cedar Rapids, IA	Denver	2	WLM
f210	McLeod USA Operations - Mattoon, IL	Denver	2	WLM
5013	McLeod USA Operations -Champagne, IL	Denver	19	WLM
5044	Mid America Computer Comp.	Denver	43	WLM
	Mid-America Computer Company	Omaha	55	WLM
	Midwest Data Service	Omaha	7	WLM
	Midwest Telephone	Omaha	1	WLM
	Minnesota Valley Telephone	Omaha	1	WLM
M12	Mountain Communications	Denver	1	WLM
	Mutual Telephone	Omaha	2	WLM
	Nextel Communications	Omaha	1	WLM
499	Norlight Inc.	Omaha	2	WLM
8293	North County Communications	Denver	2	WLM
2248	Northern Telephone CO-OP	Denver	5	WLM
	Northland Telephone Comp.	Omaha	9	WLM
	Northwest Iowa Tele.Comp.	Omaha	1	WLM
	Northwest Tele.Cooperative	Omaha	1	WLM

	One Call Telecom	Omaha	15	WLM
	One Star Long Distance	Omaha	1	WLM
	Onetel (c/o Mcleod Comm.)	Omaha	1	WLM
	Pacific Power &Light	Omaha		WLM
	Pacific Telecom	Omaha		WLM
	Pam Communications	Omaha	20	WLM
S08	Pioneer Telephone	Denver	1	WLM
	Popp Telecommunications	Omaha	1	WLM
	Preston Telephone	Omaha	1	WLM
	Redwood County Telephone	Omaha	1	WLM
	Shared Communications	Omaha	3	WLM
	Sherborn County	Omaha	9	WLM
	South Central Comm. Inc.	Omaha	1	WLM
	South Slope Coop Telephone	Omaha	1	WLM
	Splitrock Telecom	Omaha	9	WLM
	Sprint	Omaha	1	WLM
	Sprint Spectrum	Omaha	1	WLM
S07	Stargate Communications	Denver	1	WLM
	Sully Buttes Telephone Co.	Omaha	9	WLM
	Switched Services Comm.	Omaha	2	WLM
5062	TDS - TELE & Data Systems	Denver	9	WLM
297/457	Telco Comm.Group Inc.	Omaha	1	WLM
	Telehub Comm.	Omaha	2	WLM
899	Telephone Express/Vartec	Omaha	3	WLM
4143	Teligent	Denver	6	WLM
T11	Teligent Incarrier Service	Denver	1	WLM
T06	Tel-Link	Denver	1	WLM
T14	Telstar	Denver	1	WLM
T15	Touch America INC	Denver	2	WLM
	Transaction Network	Omaha	2	WLM
U12	United States Tele Comm	Denver	16	WLM
	VanBuren Telephone Company	Omaha	1	WLM
	Vartec Telcom Inc.	SLC	2	WLM
811	Vartec Telecom Inc.	Omaha	12	WLM
	Webster Calhoun Coop	Omaha	8	WLM
	West Liberty	Omaha	1	WLM
	Western Datapro	Omaha		WLM
	Western Iowa Telephone	Omaha	1	WLM
	Western Telephone	Omaha	9	WLM
6515	Western Wireless	Denver	6	WLM
	Whidbey Island Telephone	Omaha		WLM
	Wilton Telephone	Omaha	1	WLM
	Winnebago Coop Telephone	Omaha	2	WLM
	Winstar Telecommunications	Omaha	22	WLM
M03	World Com	Denver	1	WLM
	World Com(att:ICSS/OPC)	Omaha	19	WLM
	World Comm.Inc. (jackson,MS)	Omaha	4	WLM
	Month		1,081	
	Annual Tape Count		**12,972**	
	CATEGORY 11 Records - Access			

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&I'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**

CONTINUATION

[45]

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
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 User Inputs 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 ICNAM-Interconnection (UCNAM, v3.2).XLS, **"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

PAGE

SECTION A – STUDY OUTPUT

SECTION B – COST CALCULATIONS

SECTION C – SOURCE DATA

Qwest

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 *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. 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 Name	*ICNAM - Interconnection CLEC*	
Study Requester	*D. Gollehon*	
Type of Study	*TELRIC*	
Study ID	*6433*	
Cost Factor Group	*Interconnection*	
Study Applications		
Completion Date	*May 20, 2002*	
Cost Analyst	*Deborah Taylor*	
Study Review	**Reviewer**	**Date**
		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**
	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*
	Cost Of Money	*10.14%*
Inflation		
Major Cost Drivers		

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

5/20/02 16 PM

Row	South Dakota	Source or Calculation	Factor Value	ICNAM - Interconnection CLEC - per Query
			A	B
1	**Investment**	sl r"Total" cD		0.001600
2				
3	***Investment Based Costs***	***sl r"Total" 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 & Collection***			0.000587
9				
10	***Marketing & Business Fees***			
11	Product Management Expense	cA*(r8-r6)	0.019957	0.000012
12	Sales Expense	cA*(r8-r6)	0.011877	0.000007
13	Product Advertising Expense	cA*(r8-r6)	0.000000	0.000000
14	Business Fees (Other Operating Taxes)	cA*(Sum(r8:r13)-r6	0.001483	0.000001
15	***Marketing & Business Fees Total***	***Sum r11:r14***		0.000020
16				
17	***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
28	Intangibles	cA*(r17-r6)	0.000000	0.000000
29	***Total Other Direct Expenses***	***Sum r20:r28***		0.000165
30				
31	***TELRIC***	***r17 + r29***		0.000771
32				
33	***Common***			
34	Executive Expense	cA*(r31-r6)	0.011267	0.000009
35	Planning Expense	cA*(r31-r6)	0.000525	0.000000
36	External Relations Expense	cA*(r31-r6)	0.037846	0.000029
37	Legal Expense	cA*(r31-r6)	0.004717	0.000004
38	Other Procurement Expense	cA*(r31-r6)	0.001860	0.000001
39	Research & Development Expense	cA*(r31-r6)	0.000006	0.000000
40	Other General and Admin Expense	cA*(r31-r6)	0.015064	0.000012
41	***Common Costs***	***Sum r34:r40***		0.000055
42				
43	***TELRIC + Common Costs***	***r31 + r41***		0.000826

5/20/02
South Dakota

ICNAM - Interconnection CLEC

ICNAM - Interconnection CLEC - per Query

Acct	FRC	Account Name	Investment	Depreciation	Cost Of Money	Income Tax	Ad Valorem	Maintenance	Switch RTU	Total Capital Costs
2441	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
2212	377C	Digital Switch	0.001266	0.000138	0.000058	0.000022	0.000012	0.000013	0.000000	0.000242
2423.12,.22	845C	Buried Cable - NonMetallic	0.000013	0.000001	0.000001	0.000000	0.000000	0.000000	0.000000	0.000002
2111	20C	Land	0.000005	0.000000	0.000000	0.000000	0.000000	0.000000		0.000001
2121	110C	Building	0.000262	0.000007	0.000020	0.000007	0.000002	0.000003		0.000040
		Total	**0.001600**	**0.000152**	**0.000081**	**0.000031**	**0.000015**	**0.000017**	**0.000000**	**0.000296**

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
[illegible] Data Links from the LIDB Services 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

LSTP Hardware			
Investment per Octet or MS	377C	$	2.315936
MS per Call Attempt			0.155
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				
Investment per Octet or MS		377C	$	0.392197
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
Queries per Call Attempt				0.907
MRS SCP Software				
Investment per Query (and Response)		2124	$	-
Queries per Call Attempt				0.907
RSTP Hardware				
Investment per MS		377C	$	3.357931
MS per Call Attempt				0.077
RSTP Software				
Investment per MS		377C	$	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				
Investment per Octet or MS		377C	$	0.236331
Octets or MS per Call Attempt				0.906
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)

	Investment per Octet or MS or Query	Octets or MS per Query	Investment per Query	Annualization Factor	Annualized Investment per Query
	A	B	C=AxB	D	E=C/D
	from: "Inputs" 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	$ 0.000088
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	$ 0.000005
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. 85C	$ 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 Software					
a. 377C	$ 0.231089	0.907	$ 0.209525	3296	$ 0.000064

ICNAM - Interconnection CLEC

SOUTH DAKOTA

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

	Investment per Octet or MS or Query	Octets or MS per Query	Investment per Query	Annualization Factor	Annualized Investment per Query
	A	B	C=AxB	D	E=C/D
	from: "Inputs" 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					
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	$ 0.000003
h. 377C	$ 1.549948	0.906	$ 1.404590	3296	$ 0.000426
13. RSTP - LIDB SCP Data Link Software					
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+7g+12g*				**$ 0.000007**
b. 57C	*Ln 3b+7b+12b*				**$ 0.000018**
c. 85C	*Ln 3f+7f+12f*				**$ 0.000004**
d. 357C	*Ln 3c+7c+12c*				**$ 0.000016**
e. 357CS	*Ln 3d+7d+12d*				**$ 0.000007**
f. 377C	*Ln 1a+2a+3a+4a+5a+6a+7a+7h+8a +10a+11a+12a+12h+13a*				**$ 0.001266**
g. 845C	*Ln 3e+7e+12e*				**$ 0.000013**
h. 2124	*Ln 9a+14a*				**$ -**
					to: "Summary" Tab

ICNAM - Interconnection CLEC

SOUTH DAKOTA

Summary of UCNAM per Query Investments and Expenses

1. 357C 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. 377C Investment			
a. LIDB			
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
b. ICNAM and CNAM including UCNAM			
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
Capital per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
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
d. X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
e. 56kbps Data Links from the LIDB Platform to the RSTP			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	0.00000002
f. Message Relay Service 56Kbps Links to the RSTP			
Expenses per Query and Response	*from: "Inputs" Tab, Sec A*	$	-
g. Total Expense	*Lns 3a:3f*	**$**	**0.00029091**
			to: Summary Tab

ICNAM - Interconnection CLEC

SOUTH DAKOTA

Summary of per Query Investments and Expenses

	Network Investments and Expenses	UCNAM Operational Support	Total per Query
	A	B	C=A+B
	from: "Network Summary" Tab	*from: "UCNAM" Tab*	*to: "WINPC3 Investments" Tab*
4C	$ 0.00000692		$ 0.00000692
57C	$ 0.00001822		$ 0.00001822
85C	$ 0.00000412		$ 0.00000412
357C	$ 0.00001568	$ 0.00000213	$ 0.00001781
357CS	$ 0.00000744		$ 0.00000744
377C	$ 0.00126613	$ -	$ 0.00126613
845C	$ 0.00001320		$ 0.00001320
2124	$ -		$ -
Expense		$ 0.00029091	$ 0.00029091

	A	B	C	D	E	F	G	H
1	Investment							
2	STUDY	ICNAM - Interconnection CLEC						
3	DATE	May 20, 2002						
4	PRODUCT	TELRIC						
5	GROUP	ICNAM - Interconnection CLEC - per Query						
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							

	A	B
1	Parameter	
2	SD	
3	7	
4	6	
5	Annual	1
6	Yes	
7	No	
8		
9	11	
10	6433	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ACFIN												
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	BF	NTWKOP
8	57C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	BF	NTWKOP
9	85C	DEPR-AVG	COM-AVG	IT-AVG	MTNC-TOT	ADVAL	BLDG	LAND	PRODMAN	SALESEXP	ADVER	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	O	P	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

	AB
1	
2	
3	GENL
4	GENL
5	GENL
6	GENL
7	GENL
8	GENL
9	GENL
10	GENL
11	GENL
12	GENL

	A
1	ACFOUT Factors For: Interconnection
2	***-Run Done With Database Vintage: 02SD01E, Dated: 04/08/02***
3	***-Wholesale Cost Program (TELRIC) Data Base released 04/02 (02SD01E).***
4	***-Factors loaded from Factors Model (Expense Module), Version 02V1.***
5	***-CAPITAL RECOVERY factors released 04/02 and based on 10.14% Cost***
6	***Of Money. No 1-10 year factors developed.***
7	***-MAINTENANCE factors released 02/02.***
8	***-RTU factors released 02/01.***
9	***-AD VALOREM Tax released 02/02.***
10	***-DIRECTLY ASSIGNED expense factors released 04/02.***
11	***-BUSINESS FEES released 04/02.***
12	***-COMMON Expense released 04/02.***
13	***-TOTAL INSTALLED FACTORS (TIF) released 01/01.***
14	***-POWER investment factors released 01/01.***
15	***-SALES TAX released 01/01.***
16	***-TELCO Engineering factors released 01/01.***
17	***-INTEREST DURING CONSTRUCTION released 01/01.***
18	***-LAND AND BUILDING factors released 02/02.***
19	***-DIRECTLY ATTRIBUTABLE expense factors released 04/02.***
20	***-SALES EXPENSE factor released 04/02.***
21	***-PRODUCT MANAGEMENT factor released 04/02.***
22	***-BILLING & COLLECTION factor released 01/01.***
23	***-PROVISIONING factors released 01/01.***
24	***-TELEPHONE PLANT INDEX released 01/01.***
25	***-STRUCTURE RATIO released 01/01.***
26	
27	
28	
29	
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31	
32	
33	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
34															
35															
36															
37															
38	State:	South Dakota													
39															
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

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
34													
35													
36													
37													
38													
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	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
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
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
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
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
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.]

INVESTMENT BUILDER

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	$ -	*Ln1 x Ln10*
11.	Loading for Warehousing	0.0000	$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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 dollars.
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*

Notes/Comments:

INVESTMENT BUILDER

State: South Dakota

Equipment Item: InterSTP Data Link Hardware/Octet

Account Code: 57C

		Factor	*Amount*	*Source / Description*
1.	Material		$ 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		$ -	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	$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

State: South Dakota

Equipment Item: InterSTP Data Link Software/Octet

Account Code: 377C

		Factor	*Amount*	*Source / Description*
1.	Material		$ 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		$ -	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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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	$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

State: South Dakota

Equipment: Data Link & MRS SCP Hardware/Query and Response

Account Code: 377C (SCP Hardware)

		Factor	*Amount*	*Source / Description*
1.	Material		$ 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*

Notes/Comments:

INVESTMENT BUILDER

State: South Dakota

Equipment: RSTP - MRS SCP Data Link Software/Query and Response

Account Code: 377C

		Factor	*Amount*	*Source / Description*
1.	Material		$ 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	$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

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		$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

State: South Dakota

Equipment: 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*

Notes/Comments:

INVESTMENT BUILDER

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 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	$ -	*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*

Notes/Comments:

INVESTMENT BUILDER

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		$ -	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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

INVESTMENT BUILDER

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*

Notes/Comments:

CONTINUATION

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Model User Notes

1. The Line Information Data Base (LIDB) Services Model 2000, v3.52 worksheet contains the Average Busy Season Busy Hour (ABSBH) and Annual investments and expenses per query (and response) for service cost calculations. The user only needs to select the service by entering a value of 1 in the appropriate space under User Inputs in the LIDB Services Model 2000, v3.52 worksheet. The results under Model Investments and Expenses in columns H and I are provided in terms of ABSBH and Annual investments and expenses to be used in calculating service costs. ABSBH investments and expenses can be used to calculate flat-rate costs and annual investments and expenses can be used to calculate usage-based (per query) costs.
2. In addition to the LIDB Services Model 2000, v3.52 worksheet investments and expenses, there are service-specific worksheets with additional investments and expenses per query (and response) to be added by the analyst to the service cost calculations.
3. All other worksheets in this model are documentation of assumptions and values used in the calculation of model outputs or per query (and response) calculations for services using the Message Relay Service (MRS) Data Base platform only.
4. All investments in this model are Engineered, Furnished and Installed (EF&I). Loadings to recover the costs of Telco engineering, power, interest during construction, and sales tax havenot been applied to any investments. 357C, 357CS, 845C, 85C, and 4C investmentshave been loaded with Total Investment Factors (TIF). The SCP Hardware/Query investments in the LIDB Modeling Notes worksheet include an investment for power (LIDB Modeling Notes, Cell D212). This power investment is required to equip the LIDB SCP Platform. It is recommended that the analyst use this direct investment rather than applying a power cost factor to calculate the cost of the SCP Hardware/Query. the MRS Hardware investment includes power as well. The details of the MRS hardware and software investments were lost in a transition to a new personal computer system in Network.
5. Model Investments and expenses outputs are provided on a QWEST (not state-specific) basis.
6. Due to new capital accounting rules, as of Feb 1, 2001. SS7 model data link software 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.

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 AIN 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:

LIDB Platform Services	Query Originates QWEST End Office	Query Originates From QWEST Access Tandem	Query Originates F Non-QWEST Switc	Query Originates From QWEST ISCP
Calling Name Delivery - QWEST Retail	X	X		
Unbundled CNAM - QWEST Wholesale			X	
Internetwork Calling Name Delivery (Contract only)			X	
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 Filings Only)			X	

Model assumptions from Product Management:

1.) Each OLNS, BNS, CCV or GDS query from a non-QWEST 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 not billed TCAP Signal Switching or TCAP Signal Transport.

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 LQS queries associated 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.

USER INPUTS

1.) Model User Selection of Service

Select only one service at a time to get the investments and expenses per query & response.	Name	Service Selection (Yes = 1, No = 0)	
Calling Name Delivery - QWEST Retail tariffed under Calling ID - Name and Number	CNAM	0	This feature is also cost supported in the SCM Features Model.
Unbundled CNAM - QWEST Wholesale	UCNAM	1	
Internetwork Calling Name Delivery	ICNAM	0	
Originating Line Number Screening	OLNS	0	
Calling Card Verification	CCV	0	
Billing Number Service	BNS	0	
GetData Service	GDS	0	This is only the MRS and LIDB 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): - Originating Line Number Screening - Billing Number Service - Calling Card Verification - GetData	VS	0	
LIDB Query Service (Interconnection at LSTP Only)	LQS	0	

2.) Probability of Calling ID (CNAM Only) Query Terminations:

	Name	Input Value	Default Value
Percent/100 of CNAM Service Calls that Terminate to a QWEST End Office	EO	0.929	0.929
Percent/100 of CNAM Service Calls that Terminate to a QWEST Access Tandem	TDM	0.071	0.071

1. It is assumed that the total terminating call attempts to QWEST end offices and tandems are an adequate surrogate for calculating the probability that a CNAM query will be launched from a QWEST end office or access tandem. Separations data for the month of March, 2000 have been used to develop the default inpu values. 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 n selected CNAM, EO should equal zero and TDM should equal zero

3.) Factor for converting Average Busy Season Busy Hour to Annual

	Name	Input Value	Default Value
Average Number of Business Days per Year	BD	310.5	310.5
Percent/100 of the Day's Traffic that Falls in the Busy Hour	BH	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 Calling ID (CNAM, ICNAM & UCNAM) Queries Being Routed to QWEST and Non-QWEST LIDBs

	Name	Input Value	Default Value
Percent/100 of Calling ID Queries to QWEST LIDB	IN	0.9062	0.9062
Percent/100 of Calling ID Queries rerouted by the QWEST MRS to non-QWEST LIDBs for Ported Number Information	MOUT	0.0005	0.0005
Percent/100 of Calling ID Queries to Non-QWEST LIDBs for non-QWEST 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 OLNS, CCV, BNS, GetData, LATS, and LOS Queries Being Routed to QWEST and Non-QWEST LIDBs

	Name	Input Value	Default Value
Percent/100 of OLNS, CCV, BNS, GetData, LATS, and LOS Queries to QWEST LIDB	ABSIN	0.990	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.

MODEL INVESTMENTS AND EXPENSES

LIDB Services Query (& Response) Investments and Expenses

Account Code and Names	2000 Invest./ Octet or Ms or Query A Direct- Category 1	2000 Invest./ Octet or Ms or Query B Direct- Category 2	2000 Invest./ Octet or Ms or Query C (A+B) Direct - Category 1 + Direct - Category 2	Octets or Milliseconds or Query D	2000 ABSBH Inv./ Query E (C*D) Direct - Category 1 + Direct - Category 2	2000 Annual Inv./ Query F (E/AF) Direct - Category 1 + Direct - Category 2
End Office and Data Link Hardware/Octet						
377C	0.000662	0.007859	0.008521	0	0.000000	0.00000000
57C	0.000168	0.001323	0.001490	0	0.000000	0.00000000
357C	0.000053	0.000267	0.000319	0	0.000000	0.00000000
357CS	0.000005	0.000024	0.000029	0	0.000000	0.00000000
845C	0.000020	0.000099	0.000119	0	0.000000	0.00000000
85C	0.000002	0.000013	0.000015	0	0.000000	0.00000000
4C	0.000004	0.000020	0.000024	0	0.000000	0.00000000
End Office Software/Octet						
377C	0.000000	0.017895	0.017895	0	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/Octet						
377C	0.000334	0.000818	0.001152	0	0.000000	0.00000000
57C	0.000064	0.000053	0.000118	0	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	0.00000000
845C	0.000023	0.000020	0.000043	0	0.000000	0.00000000
85C	0.000003	0.000003	0.000005	0	0.000000	0.00000000
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	0.00000000
377C	0.000511	0.000398	0.000909	0	0.000000	0.00000000
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	0.00000651
85C	0.000019	0.000005	0.000023	118	0.002730	0.00000083
4C	0.000029	0.000007	0.000037	118	0.004335	0.00000132

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 and 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
357CS	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
RSTP - MRS SCP Data Link Software/Query and Response						
377C	0.121108	0.061918	0.183026	0.907	0.165947	0.00005035
MRS SCP Software/Query and Response						
2681.4	0.000000	0.000000	0.000000	0.907	0.000000	0.00000000
RSTP Hardware/Millisecond						
377C	2.659534	0.000000	2.659534	0.077	0.204966	0.00006219
RSTP Software/Millisecond						
377C	0.310626	0.000000	0.310626	0.077	0.023939	0.00000726
Data Link & LIDB SCP Hardware/Query and Response						
377C(RSTP Hardware)	0.007784	0.001997	0.009781	0.906	0.008864	0.00000269
57C	0.012543	0.003218	0.015761	0.906	0.014283	0.00000433
357C	0.019334	0.004960	0.024294	0.906	0.022016	0.00000668
357CS	0.009270	0.002378	0.011648	0.906	0.010555	0.00000320
845C	0.009789	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
RSTP - LIDB SCP Data Link Software/Query and Response						
377C	0.148963	0.038216	0.187179	0.906	0.169625	0.00005146
LIDB SCP Software/Query and Response						
2681.4	0.000000	0.000000	0.000000	0.906	0.000000	0.00000000

QWEST UCNAM (ICNAM - Interconnection CLEC) Additional Investments and Expenses Summary

Data Sources: LIDB Services Invest.s & Exp.s worksheet and LIDB Services Data Links worksheet and SIR for QWEST COM & Pre-Tax

LIDB

Capital NPV $0.00

		2000	2001	2002	2003	2004	2005
Expenses	Leveli:	$122,897	$122,897	$122,897	$122,897	$122,897	$122,897

	NPV	$499,608.48
	NPV	$609,787.30
	Total	$1,109,396
Demand	NPV	46,288,289,863
Demand Levelized		11,386,336,584

Capital/Query & Response:
$0.000000 **Input to WINPC3** 377C

Expenses/Query & Response:
$0.000024 **Input to WINPC3** 377M

MRS

Expenses	NPV	$2,439,149
Demand	NPV	47,375,496,013

$0.000051 **Input to WINPC3** 377M

ICNAM and 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
Leveli:	$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 Demand		11,113,214,570
Demand for Cap. NF		4,674,147,019
Levelized Demand		1,149,781,324

One Time Capital/Query & Response
$0.000000 **Input to WINPC3** 377C

NPV Capital/Query & Response
$0.000000 **Input to WINPC3** 377C

Expenses/Query & Response
$0.000215 **Input to WINPC3** 377M

X.25 Data Links from the LIDB Services Platform to LIDB Verification, LVAS, and AMATPS.

Capital	One-Ti	$2,667
Demand	NPV	46,288,289,863
Levelized Demand		11,386,336,584

Capital/Query & Response:

$0.00000023	Input to WINPC3	357C

56kbps Data Links from the LIDB Plaform to the RSTP

Capital	One-Ti	$20,000
Expenses	NPV	$813
Demand	NPV	46,288,289,863
Levelized Demand		11,386,336,584

Capital/Query & Response:

$0.00000176	Input to WINPC3	357C

Expenses/Query & Response

$0.00000002	Input to WINPC3	357M

Message Relay Service 56Kbps links to the RSTP

Capital	One-Ti	$1,653
Demand	NPV	47,375,496,013
Levelized Demand		11,653,775,610

Capital/Query & Response:

$0.00000014	Input to WINPC3	357C

Summary of Inputs to WINPC3

377C	$0.000000
377M	$0.000291
357C	$0.0000021
357M	$0.00000002

CONTINUATION

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Qwest

EXECUTIVE SUMMARY

SOUTH DAKOTA INTERCONNECTION COST DOCKET

NONRECURRING ELEMENTS

Study ID # 6454

2002
Nonrecurring Cost Study

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MSEA

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 1st line on the CSR (Customer Service Record).

Private Line Customer Transfer Charge 1st Circuit, Additional Circuit and Each Additional circuit

The Private Line Customer Transfer Charge 1st 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 1st 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.

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 24th 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

- In-Only Trunk – 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.
- Two-Way Trunk – 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.
- Two-Way Trunk with DID and Answer Supervision – 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

UNE-Combination LMC-Lop DS1 Each additional

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 *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

The cost factors used in this study are based on Prescribed Lives.

F. STUDY SUMMARY

Study Summary

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*	
Completion Date	*June 3, 2002*	
Cost Analyst	*Dan Deffley/Denise Eoriatti*	
Cost Models Used	**Model**	**Version/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.*	

CONTINUATION

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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 =	$0.51 +	$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 =	$32.91 +	$2.35 =	$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 +	$14.86 =	$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 +	$16.54 =	$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 +	$6.05 =	$187.51 +	$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 +	$5.30 =	$164.20 +	$44.65 =	$208.85 +	$14.89 =	$223.74
CABLE UNLOADING/BRIDGE TAP REMOVAL	$470.98 +	$15.71 =	$486.69 +	$132.35 =	$619.04 +	$44.13 =	$663.17

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*
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	$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 =	$114.65 +	$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	$154.27 +	$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
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 =	$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 =	$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 +	$7.46 =	$34.88 +	$2.49 =	$37.36

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*
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

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
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 =	$199.73 +	$14.24 =	$213.97
DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE	$182.00 +	$6.07 =	$188.08 +	$51.14 =	$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 +	$14.94 =	$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

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
9.11.1 ANALOG LINESIDE PORT FIRST	$116.57 +	$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 +	$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 +	$5.76 =	$178.40 +	$48.51 =	$226.91 +	$16.18 =	$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 +	$244.54 =	$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 =	$1.14 +	$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

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*
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 +	$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

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*
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 NCOS 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 =	$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	$151.44 +	$5.05 =	$156.49 +	$42.56 =	$199.05 +	$14.19 =	$213.24

G. NONRECURRING COST SUMMARY

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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 +	$15.64 =	$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)	$6.53 +	$0.22 =	$6.75 +	$1.83 =	$8.58 +	$0.61 =	$9.19
ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR)	$13.06 +	$0.44 =	$13.50 +	$3.67 =	$17.17 +	$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

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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)	$26.74 +	$0.89 =	$27.63 +	$7.51 =	$35.15 +	$2.51 =	$37.65
MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR)	$33.47 +	$1.12 =	$34.59 +	$9.41 =	$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 =	$36.74 +	$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

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Cost Element	*Direct* +	*Marketing & Bus. Fees* =	*Direct + Marketing* +	*Other Direct Expenses* =	*TELRIC* +	*Common* =	*TELRIC + Common*
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 =	$15.44 +	$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-P ISDN BRI EXISTING SERVICE FIRST	$22.71 +	$0.76 =	$23.46 +	$6.38 =	$29.85 +	$2.13 =	$31.97
UNE-P ISDN 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 =	$2.63 +	$0.19 =	$2.82

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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

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NEW UNE-P DID RESERVE NONSEQUENTIAL TN	$16.93 +	$0.56 =	$17.50 +	$4.76 =	$22.26 +	$1.59 =	$23.84
NEW UNE-P DID TRUNK TERMINATIONS	$37.04 +	$1.24 =	$38.28 +	$10.41 =	$48.69 +	$3.47 =	$52.16
NEW UNE-P DID NONSEQUENTIAL TELEPHONE NUMBERS	$25.47 +	$0.85 =	$26.32 +	$7.16 =	$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 =	$143.91
UNE-COMBINATION LMC-LOOP DS0 FIRST	$170.16 +	$5.68 =	$175.84 +	$47.82 =	$223.65 +	$15.94 =	$239.60
UNE-COMBINATION LMC-LOOP DS0 EACH ADDITIONAL	$111.05 +	$3.71 =	$114.75 +	$31.21 =	$145.96 +	$10.40 =	$156.36
UNE-COMBINATION LMC-LOOP DS1 FIRST	$215.24 +	$7.18 =	$222.42 +	$60.48 =	$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 =	$221.90
PRIVATE LINE TO LOOP MUX CONVERSION	$26.54 +	$0.89 =	$27.42 +	$7.46 =	$34.88 +	$2.49 =	$37.36
UNE-COMBINATION LMC MULTIPLEXER DS1 TO DSO	$143.24 +	$4.78 =	$148.02 +	$40.25 =	$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 =	$201.69
DS0 ENHANCED EXTENDED LOOP FIRST	$185.17 +	$6.18 =	$191.34 +	$52.03 =	$243.38 +	$17.35 =	$260.73
DS0 ENHANCED EXTENDED LOOP EACH ADDITIONAL	$137.98 +	$4.60 =	$142.58 +	$38.77 =	$181.36 +	$12.93 =	$194.28
DS1 ENHANCED EXTENDED LOOP FIRST	$227.01 +	$7.57 =	$234.59 +	$63.79 =	$298.38 +	$21.27 =	$319.65
DS1 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	$169.36 +	$5.65 =	$175.01 +	$47.59 =	$222.60 +	$15.87 =	$238.47
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP FIRST	$244.67 +	$8.16 =	$252.83 +	$68.75 =	$321.58 +	$22.92 =	$344.51
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	$187.02 +	$6.24 =	$193.26 +	$52.55 =	$245.81 +	$17.52 =	$263.33
PRIVATE LINE TO EEL CONVERSION	$26.54 +	$0.89 =	$27.42 +	$7.46 =	$34.88 +	$2.49 =	$37.36

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DS1 ENHANCED EXTENDED LOOP TRANSPORT MUX	$190.92 +	$6.37 =	$197.29 +	$53.65 =	$250.94 +	$17.89 =	$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 +	$12.19 =	$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 +	$16.83 =	$78.73 +	$5.61 =	$84.34
POLE INQUIRY FEE - PER INQUIRY	$314.75 +	$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 =	$106.97 +	$29.09 =	$136.06 +	$9.70 =	$145.76
FIELD VERIFICATION 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

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
BONAFIDE REQUEST PROCESS FEE	$1,739.10	+	$58.02	=	$1,797.12	+	$488.70	=	$2,285.82	+	$162.95	=	$2,448.77

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

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*	*Detail Page Ref.*
CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED	$0.49	+	$0.02	=	$0.51	+	$0.14	=	$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	=	$15.44	+	$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	=	$32.91	+	$2.35	=	$35.26	Pages 9-10
CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADDL	$25.04	+	$0.84	=	$25.88	+	$7.04	=	$32.91	+	$2.35	=	$35.26	Pages 11-12
CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT	$37.20	+	$1.24	=	$38.44	+	$10.45	=	$48.90	+	$3.49	=	$52.38	Pages 13-14
DS1 ENTRANCE FACILITY	$158.57	+	$5.29	=	$163.86	+	$44.56	=	$208.42	+	$14.86	=	$223.28	Pages 15-18
DS3 ENTRANCE FACILITY	$213.88	+	$7.14	=	$221.01	+	$60.10	=	$281.11	+	$20.04	=	$301.15	Pages 19-23
LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only)	$148.36	+	$4.95	=	$153.31	+	$41.69	=	$195.00	+	$13.90	=	$208.90	Pages 24-27
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only)	$148.36	+	$4.95	=	$153.31	+	$41.69	=	$195.00	+	$13.90	=	$208.90	Pages 28-31
SWITCHED TRANSPORT DS1 TRUNK FIRST	$176.54	+	$5.89	=	$182.43	+	$49.61	=	$232.04	+	$16.54	=	$248.59	Pages 32-36
SWITCHED TRANSPORT DS1 TRUNK EA ADDL	$4.27	+	$0.14	=	$4.42	+	$1.20	=	$5.62	+	$0.40	=	$6.02	Pages 37-39
SWITCHED TRANSPORT DS3 TRUNK FIRST	$181.46	+	$6.05	=	$187.51	+	$50.99	=	$238.50	+	$17.00	=	$255.51	Pages 40-44
SWITCHED TRANSPORT DS3 TRUNK EA ADDL	$9.20	+	$0.31	=	$9.51	+	$2.58	=	$12.09	+	$0.86	=	$12.95	Pages 45-47
CLEC TO CLEC COLLOCATION CROSS-CONNECTION	$158.90	+	$5.30	=	$164.20	+	$44.65	=	$208.85	+	$14.89	=	$223.74	Pages 48-51
CABLE UNLOADING/BRIDGE TAP REMOVAL	$470.98	+	$15.71	=	$486.69	+	$132.35	=	$619.04	+	$44.13	=	$663.17	Pages 52-53

NONRECURRING COST SUMMARY

NONRECURRING ELEMENTS STUDY 6454

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Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail 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	=	$78.73	Pages 58-60
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	+	$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	=	$122.82	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	=	$315.96	Pages 103-106
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL	$154.27	+	$5.15	=	$159.42	+	$43.35	=	$202.77	+	$14.45	=	$217.23	Pages 107-110
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	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	=	$217.23	Pages 115-118
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	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	=	$315.96	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 130-133

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	Detail Page Ref.
PRIVATE LINE TO UNBUNDLED LOOP CONVERSION	$26.54	+	$0.89	=	$27.42	+	$7.46	=	$34.88	+	$2.49	=	$37.36	Pages 134-13
SUBLOOP DISTRIBUTION FIRST	$79.98	+	$2.67	=	$82.64	+	$22.47	=	$105.12	+	$7.49	=	$112.61	Pages 136-13
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 141-14
SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL	$17.24	+	$0.58	=	$17.81	+	$4.84	=	$22.66	+	$1.61	=	$24.27	Pages 144-14
SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order	$73.22	+	$2.44	=	$75.66	+	$20.57	=	$96.24	+	$6.86	=	$103.10	Pages 146-14
SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order	$24.35	+	$0.81	=	$25.16	+	$6.84	=	$32.00	+	$2.28	=	$34.29	Pages 149-15
SUBLOOP MTE-POI SITE INVENTORY per request	$95.93	+	$3.20	=	$99.13	+	$26.96	=	$126.08	+	$8.99	=	$135.07	Pages 151-15
SUBLOOP DS1 FEEDER FIRST	$233.54	+	$7.79	=	$241.34	+	$65.63	=	$306.96	+	$21.88	=	$328.85	Pages 153-15
SUBLOOP DS1 FEEDER EACH ADDITIONAL	$165.65	+	$5.53	=	$171.18	+	$46.55	=	$217.73	+	$15.52	=	$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 161-16
FIELD CONNECTION POINT RECLASSIFICATION	$422.92	+	$14.11	=	$437.03	+	$118.84	=	$555.87	+	$39.63	=	$595.50	Pages 163-16
SHARED LOOP (per loop per order) Mechanized	$26.47	+	$0.88	=	$27.35	+	$7.44	=	$34.79	+	$2.48	=	$37.27	Pages 167-16
NETWORK INTERFACE DEVICE	$49.62	+	$1.66	=	$51.28	+	$13.94	=	$65.23	+	$4.65	=	$69.87	Pages 170-17
UDIT DSO	$196.11	+	$6.54	=	$202.65	+	$55.11	=	$257.76	+	$18.37	=	$276.13	Pages 172-17
UDIT DS1/DS3/OC3/OC12/OC48	$228.56	+	$7.63	=	$236.18	+	$64.23	=	$300.41	+	$21.41	=	$321.82	Pages 176-17
UDIT M1-0 MULTIPLEXING HIGH SIDE	$171.38	+	$5.72	=	$177.10	+	$48.16	=	$225.26	+	$16.06	=	$241.32	Pages 180-18

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*	*Detail Page Ref.*
UDIT M1-3 MULTIPLEXING	$2,138.71	+	$71.36	=	$2,210.06	+	$600.99	=	$2,811.05	+	$200.39	=	$3,011.44	Pages 184-188
UDIT M1-0 MULTIPLEXING LOW SIDE	$146.97	+	$4.90	=	$151.87	+	$41.30	=	$193.17	+	$13.77	=	$206.94	Pages 189-192
EUDIT DS1/DS3/OC3/OC12/OC48	$270.76	+	$9.03	=	$279.79	+	$76.08	=	$355.87	+	$25.37	=	$381.24	Pages 193-197
UDIT DS0 REARRANGEMENT SINGLE OFFICE	$120.45	+	$4.02	=	$124.47	+	$33.85	=	$158.32	+	$11.29	=	$169.61	Pages 198-200
UDIT DS0 REARRANGEMENT DUAL OFFICE	$151.34	+	$5.05	=	$156.39	+	$42.53	=	$198.92	+	$14.18	=	$213.10	Pages 201-203
UDIT HICAP REARRANGEMENT SINGLE OFFICE	$165.28	+	$5.51	=	$170.80	+	$46.44	=	$217.24	+	$15.49	=	$232.73	Pages 204-206
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	+	$5.07	=	$157.03	+	$42.70	=	$199.73	+	$14.24	=	$213.97	Pages 210-213
DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE	$182.00	+	$6.07	=	$188.08	+	$51.14	=	$239.22	+	$17.05	=	$256.27	Pages 214-215
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX	$213.66	+	$7.13	=	$220.79	+	$60.04	=	$280.82	+	$20.02	=	$300.84	Pages 216-218
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION	$728.31	+	$24.30	=	$752.61	+	$204.66	=	$957.27	+	$68.24	=	$1,025.51	Pages 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	=	$535.86	Pages 224-228
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR P	$196.15	+	$6.54	=	$202.70	+	$55.12	=	$257.81	+	$18.38	=	$276.19	Pages 229-231
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	Pages 232-233
DARK FIBER - SPLICE	$478.32	+	$15.96	=	$494.28	+	$134.41	=	$628.69	+	$44.82	=	$673.51	Pages 234-237
9.10.1 DS1 LOCAL MESSAGE TRUNK PORT	$159.40	+	$5.32	=	$164.72	+	$44.79	=	$209.52	+	$14.94	=	$224.45	Pages 238-240
9.10.2 TRUNK GROUP, FIRST	$155.72	+	$5.20	=	$160.92	+	$43.76	=	$204.68	+	$14.59	=	$219.27	Pages 241-244
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK	$17.67	+	$0.59	=	$18.26	+	$4.96	=	$23.22	+	$1.66	=	$24.88	Pages 245-247

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*	*Detail Page Ref.*
9.11.1 ANALOG LINESIDE PORT FIRST	$116.57	+	$3.89	=	$120.46	+	$32.76	=	$153.21	+	$10.92	=	$164.13	Pages 248-251
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL	$72.47	+	$2.42	=	$74.88	+	$20.36	=	$95.25	+	$6.79	=	$102.04	Pages 252-255
ACCOUNT CODES, PER SYSTEM	$57.72	+	$1.93	=	$59.65	+	$16.22	=	$75.87	+	$5.41	=	$81.28	Pages 256-257
ATTENDANT ACCESS LINE - PER STATION LINE	$0.83	+	$0.03	=	$0.86	+	$0.23	=	$1.10	+	$0.08	=	$1.17	Pages 258-259
AUDIBLE MESSAGE WAITING	$0.73	+	$0.02	=	$0.75	+	$0.21	=	$0.96	+	$0.07	=	$1.03	Pages 260-261
AUTHORIZATION CODES - PER SYSTEM	$172.64	+	$5.76	=	$178.40	+	$48.51	=	$226.91	+	$16.18	=	$243.08	Pages 262-263
AUTOMATIC LINE, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 264-265
ARS - COMMON EQUIPMENT, per system	$1,514.72	+	$50.54	=	$1,565.26	+	$425.64	=	$1,990.90	+	$141.92	=	$2,132.83	Pages 266-267
CALL DROP	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 268-269
CALL EXCLUSION - AUTOMATIC	$0.73	+	$0.02	=	$0.75	+	$0.21	=	$0.96	+	$0.07	=	$1.03	Pages 270-271
CALL EXCLUSION - MANUAL	$0.48	+	$0.02	=	$0.50	+	$0.14	=	$0.63	+	$0.05	=	$0.68	Pages 272-273
CFBL INCOMING ONLY	$27.36	+	$0.91	=	$28.27	+	$7.69	=	$35.96	+	$2.56	=	$38.52	Pages 274-275
CFDA INCOMING ONLY	$27.36	+	$0.91	=	$28.27	+	$7.69	=	$35.96	+	$2.56	=	$38.52	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	=	$1.03	Pages 278-279
CALL WAITING INDICATION, per unique timing state, per timing state	$0.73	+	$0.02	=	$0.75	+	$0.21	=	$0.96	+	$0.07	=	$1.03	Pages 280-281
CENTREX COMMON EQUIPMENT	$870.23	+	$29.04	=	$899.26	+	$244.54	=	$1,143.80	+	$81.54	=	$1,225.34	Pages 282-284
CLASS - CONTINUOUS REDIAL, PER NUIMBER	$0.91	+	$0.03	=	$0.94	+	$0.26	=	$1.20	+	$0.09	=	$1.28	Pages 285-286
CLASS - LAST CALL RETURN, PER NUMBER	$0.92	+	$0.03	=	$0.95	+	$0.26	=	$1.20	+	$0.09	=	$1.29	Pages 287-288
CLASS - PRIORITY CALLING, PER NUMBER	$0.87	+	$0.03	=	$0.90	+	$0.24	=	$1.14	+	$0.08	=	$1.22	Pages 289-290
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER	$0.91	+	$0.03	=	$0.94	+	$0.26	=	$1.20	+	$0.09	=	$1.28	Pages 291-292
CLASS - SELECTIVE CALL REJECTION, PER NUMBER	$0.87	+	$0.03	=	$0.90	+	$0.24	=	$1.14	+	$0.08	=	$1.22	Pages 293-294

NONRECURRING COST SUMMARY

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Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail 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 295-29
DIRECTED CALL PICK UP BARGE-IN	$14.55	+	$0.49	=	$15.03	+	$4.09	=	$19.12	+	$1.36	=	$20.48	Pages 297-29
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 301-30
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM	$51.88	+	$1.73	=	$53.61	+	$14.58	=	$68.19	+	$4.86	=	$73.05	Pages 303-30
FACILITY RESTRICTION LEVEL - PER SYSTEM	$31.92	+	$1.06	=	$32.98	+	$8.97	=	$41.95	+	$2.99	=	$44.94	Pages 305-30
GROUP INTERCOM - PER LINE	$0.33	+	$0.01	=	$0.34	+	$0.09	=	$0.43	+	$0.03	=	$0.46	Pages 307-30
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 311-31
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE	$27.84	+	$0.93	=	$28.77	+	$7.82	=	$36.59	+	$2.61	=	$39.20	Pages 313-31
HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE	$29.40	+	$0.98	=	$30.38	+	$8.26	=	$38.64	+	$2.75	=	$41.39	Pages 315-31
ISDN SHORT HUNT	$1.23	+	$0.04	=	$1.27	+	$0.34	=	$1.61	+	$0.11	=	$1.73	Pages 317-31
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 321-32
MAKE BUSY ARRANGEMENTS, per line	$0.48	+	$0.02	=	$0.50	+	$0.14	=	$0.63	+	$0.05	=	$0.68	Pages 323-32
MESSAGE CENTER - per main station line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 325-32
MESSAGE WAITING VISUAL, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 327-32
MUSIC ON HOLD - per system	$16.69	+	$0.56	=	$17.25	+	$4.69	=	$21.94	+	$1.56	=	$23.50	Pages 329-33
PRIVACY RELEASE, per station line	$0.34	+	$0.01	=	$0.35	+	$0.10	=	$0.45	+	$0.03	=	$0.48	Pages 331-33
QUERY TIME, per station line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 333-33
STATION CAMP-ON, per main line, per line	$0.25	+	$0.01	=	$0.26	+	$0.07	=	$0.33	+	$0.02	=	$0.35	Pages 335-33

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Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail Page Ref.
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 NCOS UPDATED, PER MAIN STATION	$0.39	+	$0.01	=	$0.40	+	$0.11	=	$0.51	+	$0.04	=	$0.55	Pages 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	Pages 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	Pages 347-349
SMDR-P - ARCHIVED DATA	$127.91	+	$4.27	=	$132.18	+	$35.94	=	$168.12	+	$11.98	=	$180.10	Pages 350-351
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION	$700.96	+	$23.39	=	$724.35	+	$196.97	=	$921.32	+	$65.68	=	$987.00	Pages 352-353
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	+	$11.69	=	$362.17	+	$98.49	=	$460.66	+	$32.84	=	$493.50	Pages 356-357
CONFERENCE CALLING - MEET ME - PER SYSTEM	$30.64	+	$1.02	=	$31.67	+	$8.61	=	$40.28	+	$2.87	=	$43.15	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 362-363
9.12.1.4 SUBSEQUENT ORDER CHARGE	$9.79	+	$0.33	=	$10.12	+	$2.75	=	$12.87	+	$0.92	=	$13.78	Pages 364-365
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	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	=	$174.29	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	=	$48.63	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	Pages 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	Pages 385-388
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST	$90.21	+	$3.01	=	$93.22	+	$25.35	=	$118.56	+	$8.45	=	$127.02	Pages 389-391
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL	$22.00	+	$0.73	=	$22.73	+	$6.18	=	$28.92	+	$2.06	=	$30.98	Pages 392-394

NONRECURRING COST SUMMARY

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Total Direct Costs and Common Costs

Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail Page Ref.
CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC	$227.88	+	$7.60	=	$235.48	+	$64.04	=	$299.52	+	$21.35	=	$320.87	Pages 395-39
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH	$166.93	+	$5.57	=	$172.50	+	$46.91	=	$219.41	+	$15.64	=	$235.05	Pages 397-39
CCSAC STP PORT	$289.05	+	$9.64	=	$298.69	+	$81.22	=	$379.92	+	$27.08	=	$407.00	Pages 399-40
CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER	$82.94	+	$2.77	=	$85.71	+	$23.31	=	$109.02	+	$7.77	=	$116.79	Pages 403-40
CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER	$6.91	+	$0.23	=	$7.14	+	$1.94	=	$9.08	+	$0.65	=	$9.73	Pages 406-40
CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER	$96.76	+	$3.23	=	$99.99	+	$27.19	=	$127.18	+	$9.07	=	$136.24	Pages 408-41
CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER	$41.45	+	$1.38	=	$42.83	+	$11.65	=	$54.48	+	$3.88	=	$58.36	Pages 411-41
ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR)	$22.97	+	$0.77	=	$23.74	+	$6.45	=	$30.19	+	$2.15	=	$32.34	Pages 413-41
ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR)	$28.41	+	$0.95	=	$29.36	+	$7.98	=	$37.34	+	$2.66	=	$40.00	Pages 415-41
ADDITIONAL LABOR INSTALLATION - OVERTIME (PER HALF HOUR)	$6.53	+	$0.22	=	$6.75	+	$1.83	=	$8.58	+	$0.61	=	$9.19	Pages 417-41
ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR)	$13.06	+	$0.44	=	$13.50	+	$3.67	=	$17.17	+	$1.22	=	$18.39	Pages 419-42
ADDITIONAL LABOR OTHER - BASIC (PER HALF HOUR)	$20.02	+	$0.67	=	$20.69	+	$5.63	=	$26.31	+	$1.88	=	$28.19	Pages 421-42
ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR)	$26.74	+	$0.89	=	$27.63	+	$7.51	=	$35.15	+	$2.51	=	$37.65	Pages 423-42
ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR)	$33.47	+	$1.12	=	$34.59	+	$9.41	=	$43.99	+	$3.14	=	$47.13	Pages 425-42
TESTING AND MAINTENANCE - BASIC (PER HALF HOUR)	$21.27	+	$0.71	=	$21.98	+	$5.98	=	$27.96	+	$1.99	=	$29.95	Pages 427-42
TESTING AND MAINTENANCE - OVERTIME (PER HALF HOUR)	$28.41	+	$0.95	=	$29.36	+	$7.98	=	$37.34	+	$2.66	=	$40.00	Pages 429-43
TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR)	$35.55	+	$1.19	=	$36.74	+	$9.99	=	$46.73	+	$3.33	=	$50.06	Pages 431-43
MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR)	$20.02	+	$0.67	=	$20.69	+	$5.63	=	$26.31	+	$1.88	=	$28.19	Pages 433-43

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Total Direct Costs and Common Costs

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MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR)	$26.74 +	$0.89 =	$27.63 +	$7.51 =	$35.15 +	$2.51 =	$37.65	Pages 435-436
MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR)	$33.47 +	$1.12 =	$34.59 +	$9.41 =	$43.99 +	$3.14 =	$47.13	Pages 437-438
ADDITIONAL COOP ACCEPTANCE TESTING - BASIC (PER HALF HOUR)	$21.27 +	$0.71 =	$21.98 +	$5.98 =	$27.96 +	$1.99 =	$29.95	Pages 439-440
ADDITIONAL COOP ACCEPTANCE TESTING - OVERTIME (PER HALF HOUR)	$28.41 +	$0.95 =	$29.36 +	$7.98 =	$37.34 +	$2.66 =	$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 +	$2.66 =	$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 459-460
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 =	$0.16 +	$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 =	$0.16 +	$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 +	$0.01 =	$0.17	Pages 475-476

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Cost Element	Direct	+	Marketing & Bus. Fees	=	Direct + Marketing	+	Other Direct Expenses	=	TELRIC	+	Common	=	TELRIC + Common	Detail Page Ref.
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 482-483
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	=	$2.76	Pages 490-491
UNE-P PBX DID TRUNKS EXISTING SERVICE	$21.37	+	$0.71	=	$22.09	+	$6.01	=	$28.09	+	$2.00	=	$30.09	Pages 492-493
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-P ISDN BRI EXISTING SERVICE FIRST	$22.71	+	$0.76	=	$23.46	+	$6.38	=	$29.85	+	$2.13	=	$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-P ISDN 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 502-503
UNE-P ISDN PRI, DSS Per Each Addl Trunk EXISTING SERVICE	$2.00	+	$0.07	=	$2.07	+	$0.56	=	$2.63	+	$0.19	=	$2.82	Pages 504-505
UNE-P POTS FIRST LINE 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	=	$16.19	Pages 509-511
UNE-P POTS FIRST LINE MANUAL NEW SERVICE	$59.50	+	$1.99	=	$61.48	+	$16.72	=	$78.20	+	$5.57	=	$83.78	Pages 512-514
UNE-P POTS EA ADDL LINE MANUAL NEW SERVICE	$13.36	+	$0.45	=	$13.81	+	$3.75	=	$17.56	+	$1.25	=	$18.81	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

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Total Direct Costs and Common Costs

Cost Element	*Direct*	*+*	*Marketing & Bus. Fees*	*=*	*Direct + Marketing*	*+*	*Other Direct Expenses*	*=*	*TELRIC*	*+*	*Common*	*=*	*TELRIC + Common*	*Detail Page Ref.*
NEW UNE-P 2B+D BRI ISDN	$225.36	+	$7.52	=	$232.88	+	$63.33	=	$296.21	+	$21.12	=	$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	+	$5.37	=	$80.68	Pages 540-543
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 552-555
NEW UNE-P DEDICATED PRI 23B+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	+	$44.91	=	$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 580-583
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 590-593

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	Detail Page Ref.
UNE-COMBINATION LMC-LOOP DS0 EACH ADDITIONAL	$111.05	+	$3.71	=	$114.75	+	$31.21	=	$145.96	+	$10.40	=	$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	+	$40.25	=	$188.27	+	$13.42	=	$201.69	Pages 607-610
UNE-COMBINATION LMC MULTIPLEXER DS3 TO DS1	$143.24	+	$4.78	=	$148.02	+	$40.25	=	$188.27	+	$13.42	=	$201.69	Pages 611-614
DS0 ENHANCED EXTENDED LOOP FIRST	$185.17	+	$6.18	=	$191.34	+	$52.03	=	$243.38	+	$17.35	=	$260.73	Pages 615-618
DS0 ENHANCED EXTENDED LOOP EACH ADDITIONAL	$137.98	+	$4.60	=	$142.58	+	$38.77	=	$181.36	+	$12.93	=	$194.28	Pages 619-622
DS1 ENHANCED EXTENDED LOOP FIRST	$227.01	+	$7.57	=	$234.59	+	$63.79	=	$298.38	+	$21.27	=	$319.65	Pages 623-626
DS1 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	$169.36	+	$5.65	=	$175.01	+	$47.59	=	$222.60	+	$15.87	=	$238.47	Pages 627-630
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP FIRST	$244.67	+	$8.16	=	$252.83	+	$68.75	=	$321.58	+	$22.92	=	$344.51	Pages 631-634
DS3/OC3/OC12/OC48 ENHANCED EXTENDED LOOP EACH ADDIDTIONAL	$187.02	+	$6.24	=	$193.26	+	$52.55	=	$245.81	+	$17.52	=	$263.33	Pages 635-638
PRIVATE LINE TO EEL CONVERSION	$26.54	+	$0.89	=	$27.42	+	$7.46	=	$34.88	+	$2.49	=	$37.36	Pages 639-640
DS1 ENHANCED EXTENDED LOOP TRANSPORT MUX	$190.92	+	$6.37	=	$197.29	+	$53.65	=	$250.94	+	$17.89	=	$268.83	Pages 641-644
DS3 ENHANCED EXTENDED LOOP TRANSPORT MUX	$190.92	+	$6.37	=	$197.29	+	$53.65	=	$250.94	+	$17.89	=	$268.83	Pages 645-648
UPS CUSTOMER CHANNEL AND SHARED DISTRIBUTION LOOP	$43.38	+	$1.45	=	$44.83	+	$12.19	=	$57.02	+	$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	+	$5.48	=	$169.60	+	$46.12	=	$215.72	+	$15.38	=	$231.10	Pages 658-660

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*	*Detail Page Ref.*
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	Pages 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	Pages 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	Pages 665-666
POLE INQUIRY FEE - PER INQUIRY	$314.75	+	$10.50	=	$325.26	+	$88.45	=	$413.70	+	$29.49	=	$443.19	Pages 667-668
INNERDUCT INQUIRY FEE - PER INQUIRY	$219.41	+	$7.32	=	$226.73	+	$61.66	=	$288.39	+	$20.56	=	$308.94	Pages 669-670
RIGHT-OF-WAY INQUIRY PER INQUIRY	$349.09	+	$11.65	=	$360.73	+	$98.10	=	$458.83	+	$32.71	=	$491.54	Pages 671-672
RIGHT-OF-WAY DOCUMENT PREPARATION	$103.52	+	$3.45	=	$106.97	+	$29.09	=	$136.06	+	$9.70	=	$145.76	Pages 673-674
FIELD VERIFICATION FEE - POLES PER POLE	$17.25	+	$0.58	=	$17.83	+	$4.85	=	$22.68	+	$1.62	=	$24.29	Pages 675-676
FIELD VERIFICATION FEE - MANHOLES PER MANHOLE	$145.81	+	$4.86	=	$150.67	+	$40.97	=	$191.64	+	$13.66	=	$205.30	Pages 677-678
PLANNER VERIFICATION Per Manhole	$11.55	+	$0.39	=	$11.93	+	$3.24	=	$15.17	+	$1.08	=	$16.26	Pages 679-680
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	Pages 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	Pages 685-686
BONAFIDE REQUEST PROCESS FEE	$1,739.10	+	$58.02	=	$1,797.12	+	$488.70	=	$2,285.82	+	$162.95	=	$2,448.77	Pages 687-688

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	Detail 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	10	0.050				0.50	$39.16	$0.33
Subtotal - INTERCONNECT SERVICE CENTER						**0.75**		**$0.49**
Total For Service:						**0.75**		**$0.49**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOMER TRANSFER CHARGE POTS FIRST MECHANIZED (con't)

47	Direct Cost				$0.49
48					
49		Cost		Cost	
50		Calculation		Factor	Cost
51		B	C	D	E
52	***Marketing & Business Fees***				
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)			$0.02
58					
59	***Sub-Total Direct Cost & Marketing***	E47+E57			$0.51
60					
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)			$0.14
72					
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					
85	***TELRIC + Common Costs***	E73+E83			$0.69

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CUSTOMER TRANSFER CHARGE POTS EA ADDL MECHANIZED								
ADD								
-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**
Total For Service:						**0.15**		**$0.10**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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 Expense	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(E166:E172)			$0.01
174					
175	***TELRIC + Common Costs***	E163+E173			$0.14

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	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**	**D**	**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 Expense	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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

CUSTOMER TRANSFER CHARGE POTS EA ADDL MANUAL (con't)

317	**Direct Cost**				$1.96
318					
319		**Cost**		**Cost**	
320		**Calculation**		**Factor**	**Cost**
321		**B**	**C**	**D**	**E**
322	***Marketing & Business Fees***				
323	Product Management Expense	D323*E317		0.019957	$0.04
324	Sales Expense	D324*E317		0.011877	$0.02
325	Product Advertising Expense	D325*E317		0.000000	$0.00
326	Business Fees (Other Operating Taxes)	D326*Sum(E317:E325)		0.001483	$0.00
327	***Total Marketing & Business Fees***	Sum(E317:E326)			$0.07
328					
329	***Sub-Total Direct Cost & Marketing***	E317+E327			$2.02
330					
331	***Other Direct Expenses***				
332	Network Operations	D332*E329		0.034832	$0.07
333	Network Support Assets	D333*E329		0.014703	$0.03
334	General Support Assets	D334*E329		0.088742	$0.18
335	General Purpose Computers	D335*E329		0.043342	$0.09
336	Uncollectible	D336*E329		0.003786	$0.01
337	Accounting & Finance Expense	D337*E329		0.007346	$0.01
338	Human Resources Expense	D338*E329		0.008294	$0.02
339	Information Management Expense	D339*E329		0.070887	$0.14
340	Intangibles	D340*E329		0.000000	$0.00
341	***Total Other Direct Expenses***	Sum(E332:E340)			$0.55
342					
343	***TELRIC***	E332+E341			$2.57
344					
345	***Common***				
346	Executive Expense	D346*E343		0.011267	$0.03
347	Planning Expense	D347*E343		0.000525	$0.00
348	External Relations Expense	D348*E343		0.037846	$0.10
349	Legal Expense	D349*E343		0.004717	$0.01
350	Other Procurement Expense	D350*E343		0.001860	$0.00
351	Research & Development Expense	D351*E343		0.000006	$0.00
352	Other General and Admin Expense	D352*E343		0.015064	$0.04
353	***Common Costs***	Sum(E346:E352)			$0.18
354					
355	***TELRIC + Common Costs***	E343+E353			$2.76

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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	2	1.000				2.00	$40.03	$1.33
Correct and complete order in SOPS	5	1.000				5.00	$40.03	$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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOMER TRANSFER CHARGE PRIVATE LINE FIRST (con't,

		Cost Calculation		Cost Factor	Cost
407	Direct Cost				$25.04
408					
409		Cost		Cost	
410		Calculation		Factor	Cost
411		B	C	D	E
412	***Marketing & Business Fees***				
413	Product Management Expense	D413*E407		0.019957	$0.50
414	Sales Expense	D414*E407		0.011877	$0.30
415	Product Advertising Expense	D415*E407		0.000000	$0.00
416	Business Fees (Other Operating Taxes)	D416*Sum(E407:E415)		0.001483	$0.04
417	***Total Marketing & Business Fees***	Sum(E407:E416)			$0.84
418					
419	***Sub-Total Direct Cost & Marketing***	E407+E417			$25.88
420					
421	***Other Direct Expenses***				
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		0.088742	$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		0.070887	$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	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		0.000006	$0.00
442	Other General and Admin Expense	D442*E433		0.015064	$0.50
443	***Common Costs***	Sum(E436:E442)			$2.35
444					
445	***TELRIC + Common Costs***	E433+E443			$35.26

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	1.000				20.00	$40.03	$13.34
Fax FOC (Firm Order Confirmation) to co-provider	2	1.000				2.00	$40.03	$1.33
Correct and complete order in SOPS	5	1.000				5.00	$40.03	$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**

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

CUSTOMER TRANSFER CHARGE PRIVATE LINE EA ADDL (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
497	**Direct Cost**				$25.04
498					
499					
500					
501					
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			$25.88
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 Expense	D527*E523		0.000525	$0.02
528	External Relations Expense	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	D532*E523		0.015064	$0.50
533	***Common Costs***	Sum(E526:E532)			$2.35
534					
535	***TELRIC + Common Costs***	E523+E533			$35.26

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOMER TRANSFER CHARGE ADVANCED COMMUNICATION SERVICE PER CKT (con't

587	Direct Cost				$37.20
588					
589		Cost Calculation		Cost Factor	Cost
590					
591		B	C	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					
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					
613	***TELRIC***	E602+E611			$48.90
614					
615	***Common***				
616	Executive Expense	D616*E613		0.011267	$0.55
617	Planning Expense	D617*E613		0.000525	$0.03
618	External Relations Expense	D618*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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**		**$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				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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**		**$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						**11.30**		**$8.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1 ENTRANCE FACILITY (con't)								
-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	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**
-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:						**220.40**		**$158.57**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

DS1 ENTRANCE FACILITY (con't)

767	**Direct Cost**				$158.57
768					
769		Cost		Cost	
770		Calculation		Factor	Cost
771		B	C	D	E
772	***Marketing & Business Fees***				
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
792					
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

NONRECURRING COST DETAIL SUMMARY

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 A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 -	4	0.500				2.00	$40.03	$1.33
CHECK THE IABS(INTEGRATED ACCESS BILLING SYSTEM) TICR TABLE/CONTRACT TO E	3	1.000				3.00	$40.03	$2.00
HANDLING CALLS FROM THE IXC AND FROM WITHIN THE COMPANY REGARDING THE A	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.	1	1.000				1.00	$40.03	$0.67
MANUALLY CONFIRM THE ASR(ACCESS SERVICE REQUEST), PRINT THE SCREEN AND F	3	0.100				0.30	$40.03	$0.20
CONFIRM ASR(ACCESS SERVICE REQUEST) IN EXACT(EXCHANGE ACCESS CARRIER TF	1	0.900				0.90	$40.03	$0.60
CHECK WFA(WORK FORCE ADMINISTRATION) ORDER FOR COMPLETION DATE AND AN	3	1.000				3.00	$40.03	$2.00
ADD ANY ADDITONAL INFORMATION FROM WFA THAT 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**
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS3 ENTRANCE FACILITY (con't)								
-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**		**$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				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
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								
.90 PROBABILITY OF ASRs ARE MECHANICAL								
.10 PROBABILITY OF ASRs ARE MANUALLY FAXED								
ASR(ACCESS SERVICE REQUEST) IS RECEIVED MECHANICALLY THROUGH EXACT(EXCI	1	0.900				0.90	$40.03	$0.60

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 REGARDING THE ASI	3	1.000				3.00	$40.03	$2.00
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANSL	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 CUSTOI	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 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	1.000				1.00	$40.03	$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						**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	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
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	2	1.000				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	5	1.000				5.00	$37.78	$3.15
CLOSE OUT WORK REQUEST	3	1.000				3.00	$37.78	$1.89

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 DELIVERY IMPLEMENTOR						**15.00**		**$10.95**
Total For Service:						**303.30**		**$213.88**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS3 ENTRANCE FACILITY (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
992	**Direct Cost**				$213.88
993					
994					
995					
996					
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 Expense	**D1022*E1018**		0.000525	$0.15
1023	External Relations Expense	**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 Expense	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	1.000				10.00	$40.03	$6.67
VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK INVENTORY	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	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 INTERlca 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(SERVICE ORDER ANALYSIS AND CONTROL) TIRKS IN	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	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	0.200				1.20	$44.31	$0.89
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
Subtotal - DESIGN						**49.25**		**$36.37**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LIS MULTIPLEX DS1 TO DSO (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	$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						**24.00**		**$17.52**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WFA FOR CIRCUIT	10	1.000				10.00	$43.81	$7.30
VERIFY LNO COMPLETION	10	1.000				10.00	$43.81	$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						**31.00**		**$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	$40.03	$0.60
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 REGARDING THE AS	3	1.000				3.00	$40.03	$2.00
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANS	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 TE	1	1.000				1.00	$40.03	$0.67
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTO	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	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	1.000				1.00	$40.03	$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						**33.00**		**$22.02**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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				0.50	$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								
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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LIS MULTIPLEX DS1 TO DSO (Subsequent Order Only) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
1172	**Direct Cost**				$148.36
1173					
1174					
1175					
1176					
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					
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 Expense	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***				
1201	Executive Expense	D1201*E1198		0.011267	$2.20
1202	Planning Expense	D1202*E1198		0.000525	$0.10
1203	External Relations Expense	D1203*E1198		0.037846	$7.38
1204	Legal Expense	D1204*E1198		0.004717	$0.92
1205	Other Procurement Expense	D1205*E1198		0.001860	$0.36
1206	Research & Development Expense	D1206*E1198		0.000006	$0.00
1207	Other General and Admin Expense	D1207*E1198		0.015064	$2.94
1208	***Common Costs***	Sum(E1201:E1207)			$13.90
1209					
1210	***TELRIC + Common Costs***	E1198+E1208			$208.90

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only)

ADD

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
-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	1.000				10.00	$40.03	$6.67
VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK INVENTORY	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	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 iNTERlca 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(SERVICE ORDER ANALYSIS AND CONTROL) TIRKS IN	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	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	0.200				1.20	$44.31	$0.89
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
Subtotal - DESIGN						**49.25**		**$36.37**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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	$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						**24.00**		**$17.52**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WFA FOR CIRCUIT	10	1.000				10.00	$43.81	$7.30
VERIFY LNO COMPLETION	10	1.000				10.00	$43.81	$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						**31.00**		**$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	$40.03	$0.60
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 REGARDING THE AS	3	1.000				3.00	$40.03	$2.00
READY ORDER FROM EXACT(EXCHANGE ACCESS CARRIER TRACKING) TO TUF(TRANS	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 TE	1	1.000				1.00	$40.03	$0.67
MANUALLY CONFIRM THE ASR, PRINT THE SCREEN AND FAX OR EMAIL TO THE CUSTO	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	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	1.000				1.00	$40.03	$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						**33.00**		**$22.02**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only) (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	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								
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LIS MULTIPLEX DS3 TO DS1 (Subsequent Order Only) (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
1352	**Direct Cost**				$148.36
1353					
1354					
1355					
1356					
1357	***Marketing & Business Fees***				
1358	Product Management Expense	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					
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 Expense	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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST								
<u>*ADD*</u>								
<u>-SERVICE DELIVERY COORDINATOR</u>								
.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	1.000				10.00	$40.03	$6.67
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				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	1	1.000				1.00	$40.03	$0.67
NOTE EXACT	1	1.000				1.00	$40.03	$0.67
Subtotal - SERVICE DELIVERY COORDINATOR						**54.75**		**$36.53**
<u>-DESIGN</u>								
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	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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST (con't)								
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						**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	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**
-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
Subtotal - 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	10	1.000				10.00	$43.81	$7.30
Set DS1 Translations Options in Switch, Add Trunk Group members	30	1.000				30.00	$43.81	$21.91
TEST CIRCUIT	25	1.000				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(EXCH	1	0.900				0.90	$40.03	$0.60

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SWITCHED TRANSPORT DS1 TRUNK FIRST (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 ASR(ACCESS SERVICE REQUEST) FIELDS AND MA	10	1.000				10.00	$40.03	$6.67
VERIFY TQ(TRANSLATIONS QUESTIONNAIRE)	5	1.000				5.00	$40.03	$3.34
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
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(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 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	1.000				1.00	$40.03	$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						**38.00**		**$25.35**
-DESIGN								
.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
PCLIST TRUNKS	2	1.000	0.042			0.08	$44.31	$0.06
BUILD/VALIDATE WA manual order	5	0.050	0.042			0.01	$44.31	$0.01
BUILD/VALIDATE WA mechanized order	2	0.950	0.042			0.08	$44.31	$0.06
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042			0.02	$44.31	$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	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						**0.78**		**$0.58**
-CENTRAL 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	0.042				0.39	$43.81	$0.28
DS1 FACILITY ORD (INT OFC)	9.3	0.042	0.500			0.20	$43.81	$0.14
Subtotal - CENTRAL OFFICE FRAMES						**0.58**		**$0.43**
-SERVICE DELIVERY IMPLEMENTOR								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		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	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 IMPLEMENTOF						**35.00**		**$25.56**
Total For Service:						**251.38**		**$176.54**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SWITCHED TRANSPORT DS1 TRUNK FIRST (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
1577	**Direct Cost**				$176.54
1578					
1579					
1580					
1581					
1582	***Marketing & Business Fees***				
1583	Product Management Expense	D1583*E1577		0.019957	$3.52
1584	Sales Expense	D1584*E1577		0.011877	$2.10
1585	Product Advertising Expense	D1585*E1577		0.000000	$0.00
1586	Business Fees (Other Operating Taxes)	D1586*Sum(E1577:E1585)		0.001483	$0.27
1587	***Total Marketing & Business Fees***	Sum(E1577:E1586)			$5.89
1588					
1589	***Sub-Total Direct Cost & Marketing***	E1577+E1587			$182.43
1590					
1591	***Other Direct Expenses***				
1592	Network Operations	D1592*E1589		0.034832	$6.35
1593	Network Support Assets	D1593*E1589		0.014703	$2.68
1594	General Support Assets	D1594*E1589		0.088742	$16.19
1595	General Purpose Computers	D1595*E1589		0.043342	$7.91
1596	Uncollectible	D1596*E1589		0.003786	$0.69
1597	Accounting & Finance Expense	D1597*E1589		0.007346	$1.34
1598	Human Resources Expense	D1598*E1589		0.008294	$1.51
1599	Information Management Expense	D1599*E1589		0.070887	$12.93
1600	Intangibles	D1600*E1589		0.000000	$0.00
1601	***Total Other Direct Expenses***	Sum(E1592:E1600)			$49.61
1602					
1603	***TELRIC***	E1592+E1601			$232.04
1604					
1605	***Common***				
1606	Executive Expense	D1606*E1603		0.011267	$2.61
1607	Planning Expense	D1607*E1603		0.000525	$0.12
1608	External Relations Expense	D1608*E1603		0.037846	$8.78
1609	Legal Expense	D1609*E1603		0.004717	$1.09
1610	Other Procurement Expense	D1610*E1603		0.001860	$0.43
1611	Research & Development Expense	D1611*E1603		0.000006	$0.00
1612	Other General and Admin Expense	D1612*E1603		0.015064	$3.50
1613	***Common Costs***	Sum(E1606:E1612)			$16.54
1614					
1615	***TELRIC + Common Costs***	E1603+E1613			$248.59

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	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						**1.39**		**$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)	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
Subtotal - CENTRAL OFFICE FRAMES						**0.88**		**$0.64**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WFA FOR CIRCUIT	0.4	1.000				0.40	$43.81	$0.29
VERIFY LNO COMPLETION	0.4	1.000				0.40	$43.81	$0.29
TEST CIRCUIT	1	1.000				1.00	$43.81	$0.73
COMPLETE CIRCUIT IN WFA/C	0.4	1.000				0.40	$43.81	$0.29
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**2.20**		**$1.61**
DISCONNECT								
-DESIGN								
.05, .95 is percent orders processed manual versus mechanized.								
.75 is percent orders processed manual.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
SWITCHED 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	$0.31
PCLIST TRUNKS	2	1.000	0.042			0.08	$44.31	$0.06
BUILD/VALIDATE WA manual order	5	0.050	0.042			0.01	$44.31	$0.01
BUILD/VALIDATE WA mechanized order	2	0.950	0.042			0.08	$44.31	$0.06
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042			0.02	$44.31	$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	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						**0.78**		**$0.58**
-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)	9.3	0.042				0.39	$43.81	$0.28
DS1 FACILITY ORD (INT OFC)	9.3	0.042	0.500			0.20	$43.81	$0.14
Subtotal - CENTRAL OFFICE FRAMES						**0.58**		**$0.43**
Total For Service:						**5.83**		**$4.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)

SWITCHED TRANSPORT DS1 TRUNK EA ADDL (con't)

1712	**Direct Cost**				$4.27
1713					
1714		Cost		Cost	
1715		Calculation		Factor	Cost
1716		B	C	D	E
1717	***Marketing & Business Fees***				
1718	Product Management Expense	D1718*E1712		0.019957	$0.09
1719	Sales Expense	D1719*E1712		0.011877	$0.05
1720	Product Advertising Expense	D1720*E1712		0.000000	$0.00
1721	Business Fees (Other Operating Taxes)	D1721*Sum(E1712:E1720)		0.001483	$0.01
1722	***Total Marketing & Business Fees***	Sum(E1712:E1721)			$0.14
1723					
1724	***Sub-Total Direct Cost & Marketing***	E1712+E1722			$4.42
1725					
1726	***Other Direct Expenses***				
1727	Network Operations	D1727*E1724		0.034832	$0.15
1728	Network Support Assets	D1728*E1724		0.014703	$0.06
1729	General Support Assets	D1729*E1724		0.088742	$0.39
1730	General Purpose Computers	D1730*E1724		0.043342	$0.19
1731	Uncollectible	D1731*E1724		0.003786	$0.02
1732	Accounting & Finance Expense	D1732*E1724		0.007346	$0.03
1733	Human Resources Expense	D1733*E1724		0.008294	$0.04
1734	Information Management Expense	D1734*E1724		0.070887	$0.31
1735	Intangibles	D1735*E1724		0.000000	$0.00
1736	***Total Other Direct Expenses***	Sum(E1727:E1735)			$1.20
1737					
1738	***TELRIC***	E1727+E1736			$5.62
1739					
1740	***Common***				
1741	Executive Expense	D1741*E1738		0.011267	$0.06
1742	Planning Expense	D1742*E1738		0.000525	$0.00
1743	External Relations Expense	D1743*E1738		0.037846	$0.21
1744	Legal Expense	D1744*E1738		0.004717	$0.03
1745	Other Procurement Expense	D1745*E1738		0.001860	$0.01
1746	Research & Development Expense	D1746*E1738		0.000006	$0.00
1747	Other General and Admin Expense	D1747*E1738		0.015064	$0.08
1748	***Common Costs***	Sum(E1741:E1747)			$0.40
1749					
1750	***TELRIC + Common Costs***	E1738+E1748			$6.02

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection
State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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								
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	1.000				10.00	$40.03	$6.67
VALIDATE ACTL(ACCESS CARRIER TERMINAL LOCATION) IN TIRKS(TRUNK INVENTORY	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	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	1	1.000				1.00	$40.03	$0.67
NOTE EXACT	1	1.000				1.00	$40.03	$0.67
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	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			0.08	$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**
-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						**1.46**		**$1.07**
-SERVICE DELIVERY IMPLEMENTOR								
.042 weighting is 1/24 of a DS1 to obtain a per trunk cost.								
DS1 FACILITY ORDER	70	0.042				2.94	$43.81	$2.15
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
Set DS1 Translations Options in Switch, Add Trunk Group members	30	1.000				30.00	$43.81	$21.91
TEST CIRCUIT	25	1.000				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						**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

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SWITCHED 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	$0.60
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 ASR(ACCESS SERVICE REQUEST) FIELDS AND MA	10	1.000				10.00	$40.03	$6.67
VERIFY TQ(TRANSLATIONS QUESTIONNAIRE)	5	1.000				5.00	$40.03	$3.34
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
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(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 CUSTOI	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 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	1.000				1.00	$40.03	$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						**38.00**		**$25.35**
-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.								
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	5	0.050	0.042			0.01	$44.31	$0.01
BUILD/VALIDATE WA mechanized order	2	0.950	0.042			0.08	$44.31	$0.06
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042			0.02	$44.31	$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	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						**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.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SWITCHED TRANSPORT DS3 TRUNK FIRST (con't)								
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						**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	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						**35.63**		**$26.02**
Total For Service:						**258.09**		**$181.46**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SWITCHED TRANSPORT DS3 TRUNK FIRST (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
1937	**Direct Cost**				$181.46
1938					
1939					
1940					
1941					
1942	***Marketing & Business Fees***				
1943	Product Management Expense	D1943*E1937		0.019957	$3.62
1944	Sales Expense	D1944*E1937		0.011877	$2.16
1945	Product Advertising Expense	D1945*E1937		0.000000	$0.00
1946	Business Fees (Other Operating Taxes)	D1946*Sum(E1937:E1945)		0.001483	$0.28
1947	***Total Marketing & Business Fees***	Sum(E1937:E1946)			$6.05
1948					
1949	***Sub-Total Direct Cost & Marketing***	E1937+E1947			$187.51
1950					
1951	***Other Direct Expenses***				
1952	Network Operations	D1952*E1949		0.034832	$6.53
1953	Network Support Assets	D1953*E1949		0.014703	$2.76
1954	General Support Assets	D1954*E1949		0.088742	$16.64
1955	General Purpose Computers	D1955*E1949		0.043342	$8.13
1956	Uncollectible	D1956*E1949		0.003786	$0.71
1957	Accounting & Finance Expense	D1957*E1949		0.007346	$1.38
1958	Human Resources Expense	D1958*E1949		0.008294	$1.56
1959	Information Management Expense	D1959*E1949		0.070887	$13.29
1960	Intangibles	D1960*E1949		0.000000	$0.00
1961	***Total Other Direct Expenses***	Sum(E1952:E1960)			$50.99
1962					
1963	***TELRIC***	E1952+E1961			$238.50
1964					
1965	***Common***				
1966	Executive Expense	D1966*E1963		0.011267	$2.69
1967	Planning Expense	D1967*E1963		0.000525	$0.13
1968	External Relations Expense	D1968*E1963		0.037846	$9.03
1969	Legal Expense	D1969*E1963		0.004717	$1.13
1970	Other Procurement Expense	D1970*E1963		0.001860	$0.44
1971	Research & Development Expense	D1971*E1963		0.000006	$0.00
1972	Other General and Admin Expense	D1972*E1963		0.015064	$3.59
1973	***Common Costs***	Sum(E1966:E1972)			$17.00
1974					
1975	***TELRIC + Common Costs***	E1963+E1973			$255.51

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
-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				2.94	$43.81	$2.15
SCREEN WFA FOR CIRCUIT	0.4	1.000				0.40	$43.81	$0.29
VERIFY LNO COMPLETION	0.4	1.000				0.40	$43.81	$0.29
TEST CIRCUIT	1	1.000				1.00	$43.81	$0.73
COMPLETE CIRCUIT IN WFA/C	0.4	1.000				0.40	$43.81	$0.29
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**5.14**		**$3.75**
DISCONNECT								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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.								
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	5	0.050	0.042			0.01	$44.31	$0.01
BUILD/VALIDATE WA mechanized order	2	0.950	0.042			0.08	$44.31	$0.06
BUILD/VERIFY CIRCUIT DESIGN manual order	10	0.050	0.042			0.02	$44.31	$0.02
BUILD/VERIFY CIRCUIT DESIGN mechanized order	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						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						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
Subtotal - SERVICE DELIVERY IMPLEMENTOR						0.63		$0.46
Total For Service:						12.55		$9.20

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SWITCHED TRANSPORT DS3 TRUNK EA ADDL (con't;

2072	**Direct Cost**				$9.20
2073					
2074		**Cost**		**Cost**	
2075		**Calculation**		**Factor**	**Cost**
2076		**B**	**C**	**D**	**E**
2077	***Marketing & Business Fees***				
2078	Product Management Expense	**D2078*E2072**		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***	**E2087+E2096**			$12.09
2099					
2100	***Common***				
2101	Executive Expense	**D2101*E2098**		0.011267	$0.14
2102	Planning Expense	**D2102*E2098**		0.000525	$0.01
2103	External Relations Expense	**D2103*E2098**		0.037846	$0.46
2104	Legal Expense	**D2104*E2098**		0.004717	$0.06
2105	Other Procurement Expense	**D2105*E2098**		0.001860	$0.02
2106	Research & Development Expense	**D2106*E2098**		0.000006	$0.00
2107	Other General and Admin Expense	**D2107*E2098**		0.015064	$0.18
2108	***Common Costs***	**Sum(E2101:E2107)**			$0.86
2109					
2110	***TELRIC + Common Costs***	**E2098+E2108**			$12.95

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CLEC TO CLEC COLLOCATION CROSS-CONNECTION								
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				1.00	$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	3	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	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 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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CLEC TO CLEC COLLOCATION CROSS-CONNECTION (con't)								
-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
POST COMPLETE IN WFA-DI	2	1.000				2.00	$43.81	$1.46
COMMPLETE WITH CCT-I	3	1.000				3.00	$43.81	$2.19
Subtotal - CENTRAL OFFICE FRAMES						**14.00**		**$10.22**
-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
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								
-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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 COORDINATOR						**40.49**		**$27.01**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	5	0.100				0.50	$44.31	$0.37
DISCONNECT CIRCUIT	5	0.100				0.50	$44.31	$0.37
DISTRIBUTE WORD DOC	2	0.050				0.10	$44.31	$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**

CONTINUATION

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NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLEC TO CLEC COLLOCATION CROSS-CONNECTION (con't)

		Cost Calculation		Cost Factor	Cost
2252	**Direct Cost**				$158.90
2253					
2254					
2255					
2256		B	C	D	E
2257	***Marketing & Business Fees***				
2258	Product Management Expense	D2258*E2252		0.019957	$3.17
2259	Sales Expense	D2259*E2252		0.011877	$1.89
2260	Product Advertising Expense	D2260*E2252		0.000000	$0.00
2261	Business Fees (Other Operating Taxes)	D2261*Sum(E2252:E2260)		0.001483	$0.24
2262	***Total Marketing & Business Fees***	Sum(E2252:E2261)			$5.30
2263					
2264	***Sub-Total Direct Cost & Marketing***	E2252+E2262			$164.20
2265					
2266	***Other Direct Expenses***				
2267	Network Operations	D2267*E2264		0.034832	$5.72
2268	Network Support Assets	D2268*E2264		0.014703	$2.41
2269	General Support Assets	D2269*E2264		0.088742	$14.57
2270	General Purpose Computers	D2270*E2264		0.043342	$7.12
2271	Uncollectible	D2271*E2264		0.003786	$0.62
2272	Accounting & Finance Expense	D2272*E2264		0.007346	$1.21
2273	Human Resources Expense	D2273*E2264		0.008294	$1.36
2274	Information Management Expense	D2274*E2264		0.070887	$11.64
2275	Intangibles	D2275*E2264		0.000000	$0.00
2276	***Total Other Direct Expenses***	Sum(E2267:E2275)			$44.65
2277					
2278	***TELRIC***	E2267+E2276			$208.85
2279					
2280	***Common***				
2281	Executive Expense	D2281*E2278		0.011267	$2.35
2282	Planning Expense	D2282*E2278		0.000525	$0.11
2283	External Relations Expense	D2283*E2278		0.037846	$7.90
2284	Legal Expense	D2284*E2278		0.004717	$0.99
2285	Other Procurement Expense	D2285*E2278		0.001860	$0.39
2286	Research & Development Expense	D2286*E2278		0.000006	$0.00
2287	Other General and Admin Expense	D2287*E2278		0.015064	$3.15
2288	***Common Costs***	Sum(E2281:E2287)			$14.89
2289					
2290	***TELRIC + Common Costs***	E2278+E2288			$223.74

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CABLE UNLOADING/BRIDGE TAP REMOVAL								
ADD								
-OUTSIDE PLANT ENGINEERNG (OSP)								
ENGR. JOB	180	1.000				180.00	$51.76	$155.28
Subtotal - OUTSIDE PLANT ENGINEERNG (OSP)						**180.00**		**$155.28**
-SPLICE TECHNICIAN								
3 probability is average number of splice locations visited.								
TRAVEL	20	1.000				20.00	$46.20	$15.40
SITE SETUP	40	3.000				120.00	$46.20	$92.40
SPLICE OPERATION	60	3.000				180.00	$46.20	$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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CABLE UNLOADING/BRIDGE TAP REMOVAL (con't)

2342	**Direct Cost**				$470.98
2343					
2344		Cost		Cost	
2345		Calculation		Factor	Cost
2346		B	C	D	E
2347	***Marketing & Business Fees***				
2348	Product Management Expense	D2348*E2342		0.019957	$9.40
2349	Sales Expense	D2349*E2342		0.011877	$5.59
2350	Product Advertising Expense	D2350*E2342		0.000000	$0.00
2351	Business Fees (Other Operating Taxes)	D2351*Sum(E2342:E2350)		0.001483	$0.72
2352	***Total Marketing & Business Fees***	Sum(E2342:E2351)			$15.71
2353					
2354	***Sub-Total Direct Cost & Marketing***	E2342+E2352			$486.69
2355					
2356	***Other Direct Expenses***				
2357	Network Operations	D2357*E2354		0.034832	$16.95
2358	Network Support Assets	D2358*E2354		0.014703	$7.16
2359	General Support Assets	D2359*E2354		0.088742	$43.19
2360	General Purpose Computers	D2360*E2354		0.043342	$21.09
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		0.070887	$34.50
2365	Intangibles	D2365*E2354		0.000000	$0.00
2366	***Total Other Direct Expenses***	Sum(E2357:E2365)			$132.35
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		0.037846	$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
2379					
2380	***TELRIC + Common Costs***	E2368+E2378			$663.17

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150			0.01	$40.03	$0.01
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150			0.38	$40.03	$0.25
Determine critical dates	1	1.000	0.150			0.15	$40.03	$0.10
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150			0.23	$40.03	$0.15
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150			0.06	$40.03	$0.04
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**5.77**		**$3.85**
-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 Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
LOOP BASIC INSTALL FIRST Mechanized (con't)								
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
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						**25.00**		**$18.25**
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)	2	0.150				0.30	$40.03	$0.20
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	$40.03	$1.00
Populate required fields	3	0.150				0.45	$40.03	$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**
-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	0.100				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
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								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL FIRST Mechanized (con't)								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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:						**93.82**		**$67.09**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP BASIC INSTALL FIRST Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
2522	**Direct Cost**				$67.09
2523					
2524					
2525					
2526					
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					
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 Expense	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 provisioninç	5	1.000	0.150			0.75	$40.03	$0.50
Ensure order is successfully distributed to the systems and is ready for provisioninç	3	1.000	0.150			0.45	$40.03	$0.30
Handle calls from other departments working the ordeı	1	0.600	0.150			0.09	$40.03	$0.06
Handle issues including conditioning, facility, cable&paiı	1	0.080	0.150			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 Distribution 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL EA ADDL Mechanized (con't)								
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**20.00**		**$14.60**
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**
-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	0.100				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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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**
Total For Service:						**78.00**		**$55.91**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		B	C	D	E
2662	***Marketing & Business Fees***				
2663	Product Management Expense	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	$0.83
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE TESTING 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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150			0.01	$40.03	$0.01
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150			0.38	$40.03	$0.25
Determine critical dates	1	1.000	0.150			0.15	$40.03	$0.10
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150			0.23	$40.03	$0.15
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150			0.06	$40.03	$0.04
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**5.77**		**$3.85**
-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				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 RESOURCE ADMINISTRATION CENTER (CORAC)								
.15 probability is % orders that require manual dispatch.								
.03 probability is % orders when workitem performed in unmanned office.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
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Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE 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 Distribution 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
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	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 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.								
Analyze order	1	1.000				1.00	$42.68	$0.71
Travel to end user premises including serving area interface and service terminal as requirec	21	1.000				21.00	$42.68	$14.94
Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200				2.60	$42.68	$1.85
Complete service terminal work.	15	0.200				3.00	$42.68	$2.13
Customer contact	5	1.000				5.00	$42.68	$3.56
Contact CCT-I (Customer Communication Technician-Implementor) to work orde	3	1.000				3.00	$42.68	$2.13
Complete performance/conformance testinc	15	1.000				15.00	$42.68	$10.67
Contact LRAC (Load Resource Administration Center) to close orde	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)								
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						**55.00**		**$40.16**
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)	2	0.150				0.30	$40.03	$0.20
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	$40.03	$1.00
Populate required fields	3	0.150				0.45	$40.03	$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**
-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	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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-SERVICE DELIVERY IMPLEMENTOR								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP BASIC INSTALL WITH PERFORMANCE TESTING FIRST Mechanized (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
2882	Direct Cost				$142.12
2883					
2884					
2885					
2886					
2887	***Marketing & Business Fees***				
2888	Product Management Expense	D2888*E2882		0.019957	$2.84
2889	Sales Expense	D2889*E2882		0.011877	$1.69
2890	Product Advertising Expense	D2890*E2882		0.000000	$0.00
2891	Business Fees (Other Operating Taxes)	D2891*Sum(E2882:E2890)		0.001483	$0.22
2892	***Total Marketing & Business Fees***	Sum(E2882:E2891)			$4.74
2893					
2894	***Sub-Total Direct Cost & Marketing***	E2882+E2892			$146.86
2895					
2896	***Other Direct Expenses***				
2897	Network Operations	D2897*E2894		0.034832	$5.12
2898	Network Support Assets	D2898*E2894		0.014703	$2.16
2899	General Support Assets	D2899*E2894		0.088742	$13.03
2900	General Purpose Computers	D2900*E2894		0.043342	$6.37
2901	Uncollectible	D2901*E2894		0.003786	$0.56
2902	Accounting & Finance Expense	D2902*E2894		0.007346	$1.08
2903	Human Resources Expense	D2903*E2894		0.008294	$1.22
2904	Information Management Expense	D2904*E2894		0.070887	$10.41
2905	Intangibles	D2905*E2894		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	D2911*E2908		0.011267	$2.10
2912	Planning Expense	D2912*E2908		0.000525	$0.10
2913	External Relations Expense	D2913*E2908		0.037846	$7.07
2914	Legal Expense	D2914*E2908		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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL WITH PERFORMANCE 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	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&pai	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				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 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**
-CENTRAL OFFICE FRAMES								
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		$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.	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						15.00		$10.67
-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
Complete circuit in WFA/C (Work Force Administration - Control Module)	10	1.000				10.00	$43.81	$7.30
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection
State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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**
-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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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**
Total For Service:						**141.07**		**$100.56**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP BASIC INSTALL WITH PERFORMANCE TESTING EA ADDL Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
3062	**Direct Cost**				$100.56
3063					
3064					
3065					
3066					
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)			$3.36
3073					
3074	***Sub-Total Direct Cost & Marketing***	E3062+E3072			$103.92
3075					
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 Expense	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					
3100	***TELRIC + Common Costs***	E3088+E3098			$141.60

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
LOOP COORD INSTALL, COOP TESTING 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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150			0.01	$40.03	$0.01
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150			0.38	$40.03	$0.25
Determine critical dates	1	1.000	0.150			0.15	$40.03	$0.10
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150			0.23	$40.03	$0.15
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pair	5	0.080	0.150			0.06	$40.03	$0.04
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**5.77**		**$3.85**
-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				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 RESOURCE ADMINISTRATION CENTER (CORAC)								
.15 probability is % orders that require manual dispatch.								
.03 probability is % orders when workitem performed in unmanned office.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP COORD 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 Distribution 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
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	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 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.								
Analyze order	1	1.000				1.00	$42.68	$0.71
Travel to end user premises including serving area interface and service terminal as requirec	21	1.000				21.00	$42.68	$14.94
Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200				2.60	$42.68	$1.85
Complete service terminal work.	15	0.200				3.00	$42.68	$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
Coordinate with parties to work order.	20	1.000				20.00	$42.68	$14.23
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
Subtotal - INSTALLATION/FIELD TECHNICIAN						73.60		$52.35
-SERVICE DELIVERY IMPLEMENTOR								
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
LOOP COORD INSTALL, COOP TESTING FIRST Mechanized (con't)								
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	$10.95
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						**75.00**		**$54.76**
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)	2	0.150				0.30	$40.03	$0.20
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	$40.03	$1.00
Populate required fields	3	0.150				0.45	$40.03	$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**
-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	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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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**

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**Calculation**		**Factor**	**Cost**
3291		**B**	**C**	**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					
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 Expense	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 Expense	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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP 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	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&pai	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				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 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**
-CENTRAL OFFICE FRAMES								
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	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**		**$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.	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						**15.00**		**$10.67**
-SERVICE DELIVERY IMPLEMENTOR								
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						**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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP COORD INSTALL, COOP 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**
-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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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**
Total For Service:						**141.07**		**$100.56**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP COORD INSTALL, COOP TESTING EA ADDL Mechanized (con't)

3467	**Direct Cost**				$100.58
3468					
3469		**Cost**		**Cost**	
3470		**Calculation**		**Factor**	**Cost**
3471		**B**	**C**	**D**	**E**
3472	***Marketing & Business Fees***				
3473	Product Management Expense	D3473*E3467		0.019957	$2.01
3474	Sales Expense	D3474*E3467		0.011877	$1.19
3475	Product Advertising Expense	D3475*E3467		0.000000	$0.00
3476	Business Fees (Other Operating Taxes)	D3476*Sum(E3467:E3475)		0.001483	$0.15
3477	***Total Marketing & Business Fees***	Sum(E3467:E3476)			$3.36
3478					
3479	***Sub-Total Direct Cost & Marketing***	E3467+E3477			$103.92
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 Expense	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	$0.00
3491	***Total Other Direct Expenses***	Sum(E3482:E3490)			$28.26
3492					
3493	***TELRIC***	E3482+E3491			$132.18
3494					
3495	***Common***				
3496	Executive Expense	D3496*E3493		0.011267	$1.49
3497	Planning Expense	D3497*E3493		0.000525	$0.07
3498	External Relations Expense	D3498*E3493		0.037846	$5.00
3499	Legal Expense	D3499*E3493		0.004717	$0.62
3500	Other Procurement Expense	D3500*E3493		0.001860	$0.25
3501	Research & Development Expense	D3501*E3493		0.000006	$0.00
3502	Other General and Admin Expense	D3502*E3493		0.015064	$1.99
3503	***Common Costs***	Sum(E3496:E3502)			$9.42
3504					
3505	***TELRIC + Common Costs***	E3493+E3503			$141.60

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING 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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150			0.01	$40.03	$0.01
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150			0.38	$40.03	$0.25
Determine critical dates	1	1.000	0.150			0.15	$40.03	$0.10
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150			0.23	$40.03	$0.15
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pai	5	0.080	0.150			0.06	$40.03	$0.04
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**5.77**		**$3.85**
-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				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 Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	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								
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)	2	0.150				0.30	$40.03	$0.20
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	$40.03	$1.00
Populate required fields	3	0.150				0.45	$40.03	$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**
-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	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
Distribute WORD (Work Order Record Detail) document	2	0.050				0.10	$44.31	$0.07
Subtotal - DESIGN						**2.20**		**$1.62**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized (con't)								
-CENTRAL 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	$3.65
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		$8.47
-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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP COORD INSTALL WITHOUT TESTING FIRST Mechanized (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
3647	**Direct Cost**				$72.20
3648					
3649					
3650					
3651					
3652	***Marketing & Business Fees***				
3653	Product Management Expense	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	$0.11
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 Expense	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					
3685	***TELRIC + Common Costs***	E3673+E3683			$101.67

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
LOOP COORD INSTALL WITHOUT 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	1.000	0.150			0.45	$40.03	$0.30
Input order into service order processor. Type and format order for billing and provisioninç	5	1.000	0.150			0.75	$40.03	$0.50
Ensure order is successfully distributed to the systems and is ready for provisioninç	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				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 Distribution 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								
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**		**$18.25**
DISCONNECT								
-INTERCONNECT SERVICE CENTER (ICS)								
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 (ICS)						**1.65**		**$1.10**
-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	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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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**

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized (con't)								
Total For Service:						**85.00**		**$61.02**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP COORD INSTALL WITHOUT TESTING EA ADDL Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
3827	**Direct Cost**				$61.02
3828					
3829					
3830					
3831					
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)			$2.04
3838					
3839	***Sub-Total Direct Cost & Marketing***	E3827+E3837			$63.06
3840					
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					
3853	***TELRIC***	E3842+E3851			$80.21
3854					
3855	***Common***				
3856	Executive Expense	D3856*E3853		0.011267	$0.90
3857	Planning Expense	D3857*E3853		0.000525	$0.04
3858	External Relations Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
LOOP BASIC INSTALL COOP TESTING 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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availability	1	0.050	0.150			0.01	$40.03	$0.01
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation optior	2.5	1.000	0.150			0.38	$40.03	$0.25
Determine critical dates	1	1.000	0.150			0.15	$40.03	$0.10
If directory advertising or retail contract or both, issue order to remove information from account	3	0.500	0.150			0.23	$40.03	$0.15
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pai	5	0.080	0.150			0.06	$40.03	$0.04
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**5.77**		**$3.85**
-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
2 probability is for cross-connects placed at Main Distributing Frame and Single Point of Terminat	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 RESOURCE ADMINISTRATION CENTER (CORAC)								
.15 probability is % orders that require manual dispatch.								
.03 probability is % orders when workitem performed in unmanned office.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 Distribution 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
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	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 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.								
Analyze order	1	1.000				1.00	$42.68	$0.71
Travel to end user premises including serving area interface and service terminal as requirec	21	1.000				21.00	$42.68	$14.94
Complete AP/SAC (Access Point/Serving Area Interface) wiring	13	0.200				2.60	$42.68	$1.85
Complete service terminal work.	15	0.200				3.00	$42.68	$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
Subtotal - INSTALLATION/FIELD TECHNICIAN						**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

NONRECURRING COST DETAIL SUMMARY

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 #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)								
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						**55.00**		**$40.16**
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)	2	0.150				0.30	$40.03	$0.20
Input order into service order processor. Type and format order for billing and provisioning	10	0.150				1.50	$40.03	$1.00
Populate required fields	3	0.150				0.45	$40.03	$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**
-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	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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-SERVICE DELIVERY IMPLEMENTOR								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**

NONRECURRING COST DETAIL SUMMARY

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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP BASIC INSTALL COOP TESTING FIRST Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
4052	**Direct Cost**				$142.12
4053					
4054					
4055					
4056					
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**		0.000006	$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

NONRECURRING COST DETAIL SUMMARY

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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	3	1.000	0.150			0.45	$40.03	$0.30
Input order into service order processor. Type and format order for billing and provisioninc	5	1.000	0.150			0.75	$40.03	$0.50
Ensure order is successfully distributed to the systems and is ready for provisioninc	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&pair	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				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 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**
-CENTRAL OFFICE FRAMES								
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$1.46
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		$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.	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						15.00		$10.67
-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
Complete circuit in WFA/C (Work Force Administration - Control Module)	10	1.000				10.00	$43.81	$7.30
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

NONRECURRING COST DETAIL SUMMARY

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Study Year: 2002
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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOOP BASIC INSTALL COOP 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**
-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
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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**
Total For Service:						**141.07**		**$100.56**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOOP BASIC INSTALL COOP TESTING EA ADDL Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
4232	**Direct Cost**				$100.56
4233					
4234					
4235					
4236		B	C	D	E
4237	***Marketing & Business Fees***				
4238	Product Management Expense	D4238*E4232		0.019957	$2.01
4239	Sales Expense	D4239*E4232		0.011877	$1.19
4240	Product Advertising Expense	D4240*E4232		0.000000	$0.00
4241	Business Fees (Other Operating Taxes)	D4241*Sum(E4232:E4240)		0.001483	$0.15
4242	***Total Marketing & Business Fees***	Sum(E4232:E4241)			$3.36
4243					
4244	***Sub-Total Direct Cost & Marketing***	E4232+E4242			$103.92
4245					
4246	***Other Direct Expenses***				
4247	Network Operations	D4247*E4244		0.034832	$3.62
4248	Network Support Assets	D4248*E4244		0.014703	$1.53
4249	General Support Assets	D4249*E4244		0.088742	$9.22
4250	General Purpose Computers	D4250*E4244		0.043342	$4.50
4251	Uncollectible	D4251*E4244		0.003786	$0.39
4252	Accounting & Finance Expense	D4252*E4244		0.007346	$0.76
4253	Human Resources Expense	D4253*E4244		0.008294	$0.86
4254	Information Management Expense	D4254*E4244		0.070887	$7.37
4255	Intangibles	D4255*E4244		0.000000	$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	D4261*E4258		0.011267	$1.49
4262	Planning Expense	D4262*E4258		0.000525	$0.07
4263	External Relations Expense	D4263*E4258		0.037846	$5.00
4264	Legal Expense	D4264*E4258		0.004717	$0.62
4265	Other Procurement Expense	D4265*E4258		0.001860	$0.25
4266	Research & Development Expense	D4266*E4258		0.000006	$0.00
4267	Other General and Admin Expense	D4267*E4258		0.015064	$1.99
4268	***Common Costs***	Sum(E4261:E4267)			$9.42
4269					
4270	***TELRIC + Common Costs***	E4258+E4268			$141.60

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	$40.03	$2.00
Verify Connecting Facility Assignment (CFA) for facility/circuit availabilit	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 dat	2	1.000				2.00	$40.03	$1.33
Analyze request to determine co-provider, type of order, and installation optio	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 accoun	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 provisionin	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisionin	3	1.000				3.00	$40.03	$2.00
Handle calls from other departments working the orde	5	0.600				3.00	$40.03	$2.00
Handle issues including conditioning, facility, cable&pai	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	$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
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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.	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 provisioninc	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 provisioninc	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						**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
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**15.00**		**$10.95**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST (con't)								
Total For Service:						**179.60**		**$127.70**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL FIRST (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
4412	Direct Cost				$127.70
4413					
4414					
4415					
4416					
4417	***Marketing & Business Fees***				
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 Expense	D4432*E4424		0.007346	$0.97
4433	Human Resources Expense	D4433*E4424		0.008294	$1.09
4434	Information Management Expense	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 Expense	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			$179.80

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	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	$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	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
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						**20.00**		**$14.60**
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 provisioninc	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	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								
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:						120.83		$87.23

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL EACH ADDITIONAL (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
4547	**Direct Cost**				$87.23
4548					
4549					
4550					
4551					
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 Expense	D4577*E4573		0.000525	$0.06
4578	External Relations Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (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 availabilit	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-provide	2	1.000				2.00	$40.03	$1.33
Summary Bill List-Look up Billing Telephone Number, tax code, and bill dat	2	1.000				2.00	$40.03	$1.33
Analyze request to determine co-provider, type of order, and installation optio	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 accoun	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 provisionin	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisionin	3	1.000				3.00	$40.03	$2.00
Handle calls from other departments working the orde	5	0.600				3.00	$40.03	$2.00
Handle issues including conditioning, facility, cable&pai	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)	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 Implemento	3	1.000				3.00	$43.81	$2.19

NONRECURRING COST DETAIL SUMMARY

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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST (con't)								
Subtotal - CENTRAL OFFICE FRAMES						34.00		$24.83
-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
-INSTALLATION/FIELD TECHNICIAN								
Analyze Order	1	1.000				1.00	$42.68	$0.71
TRAVEL TIME	21	1.000				21.00	$42.68	$14.94
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	$1.85
Complete Service Terminal work	15	0.200				3.00	$42.68	$2.13
Customer Contact	5	1.000				5.00	$42.68	$3.56
CONTACT CCTI 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
COMPLETE WITH LRAC	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						53.60		$38.13
-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
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						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
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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				0.50	$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								
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:						315.20		$224.39

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST FIRST (con't)

4727	**Direct Cost**				$224.39
4728					
4729		**Cost**		**Cost**	
4730		**Calculation**		**Factor**	**Cost**
4731		**B**	**C**	**D**	**E**
4732	***Marketing & Business Fees***				
4733	Product Management Expense	**D4733*E4727**		0.019957	$4.48
4734	Sales Expense	**D4734*E4727**		0.011877	$2.67
4735	Product Advertising Expense	**D4735*E4727**		0.000000	$0.00
4736	Business Fees (Other Operating Taxes)	**D4736*Sum(E4727:E4735]**		0.001483	$0.34
4737	***Total Marketing & Business Fees***	**Sum(E4727:E4736)**			$7.49
4738					
4739	***Sub-Total Direct Cost & Marketing***	**E4727+E4737**			$231.88
4740					
4741	***Other Direct Expenses***				
4742	Network Operations	**D4742*E4739**		0.034832	$8.08
4743	Network Support Assets	**D4743*E4739**		0.014703	$3.41
4744	General Support Assets	**D4744*E4739**		0.088742	$20.58
4745	General Purpose Computers	**D4745*E4739**		0.043342	$10.05
4746	Uncollectible	**D4746*E4739**		0.003786	$0.88
4747	Accounting & Finance Expense	**D4747*E4739**		0.007346	$1.70
4748	Human Resources Expense	**D4748*E4739**		0.008294	$1.92
4749	Information Management Expense	**D4749*E4739**		0.070887	$16.44
4750	Intangibles	**D4750*E4739**		0.000000	$0.00
4751	***Total Other Direct Expenses***	**Sum(E4742:E4750)**			$63.05
4752					
4753	***TELRIC***	**E4742+E4751**			$294.93
4754					
4755	***Common***				
4756	Executive Expense	**D4756*E4753**		0.011267	$3.32
4757	Planning Expense	**D4757*E4753**		0.000525	$0.15
4758	External Relations Expense	**D4758*E4753**		0.037846	$11.16
4759	Legal Expense	**D4759*E4753**		0.004717	$1.39
4760	Other Procurement Expense	**D4760*E4753**		0.001860	$0.55
4761	Research & Development Expense	**D4761*E4753**		0.000006	$0.00
4762	Other General and Admin Expense	**D4762*E4753**		0.015064	$4.44
4763	***Common Costs***	**Sum(E4756:E4762)**			$21.02
4764					
4765	***TELRIC + Common Costs***	**E4753+E4763**			$315.96

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	3	1.000				3.00	$40.03	$2.00
Handle calls from other departments working the ordei	1	0.600				0.60	$40.03	$0.40
Handle issues including conditioning, facility, cable&pai	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	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 Implementoi	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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.								
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	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**
-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						**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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL (con't)								
Subtotal - CENTRAL OFFICE FRAMES						**11.60**		**$8.47**
Total For Service:						**214.83**		**$154.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL PERFORMANCE TEST EA ADDL (con't)

4907	**Direct Cost**				$154.27
4908					
4909		Cost		Cost	
4910		Calculation		Factor	Cost
4911		B	C	D	E
4912	***Marketing & Business Fees***				
4913	Product Management Expense	D4913*E4907		0.019957	$3.08
4914	Sales Expense	D4914*E4907		0.011677	$1.83
4915	Product Advertising Expense	D4915*E4907		0.000000	$0.00
4916	Business Fees (Other Operating Taxes)	D4916*Sum(E4907:E4915)		0.001483	$0.24
4917	***Total Marketing & Business Fees***	Sum(E4907:E4916)			$5.15
4918					
4919	***Sub-Total Direct Cost & Marketing***	E4907+E4917			$159.42
4920					
4921	***Other Direct Expenses***				
4922	Network Operations	D4922*E4919		0.034832	$5.55
4923	Network Support Assets	D4923*E4919		0.014703	$2.34
4924	General Support Assets	D4924*E4919		0.088742	$14.15
4925	General Purpose Computers	D4925*E4919		0.043342	$6.91
4926	Uncollectible	D4926*E4919		0.003786	$0.60
4927	Accounting & Finance Expense	D4927*E4919		0.007346	$1.17
4928	Human Resources Expense	D4928*E4919		0.008294	$1.32
4929	Information Management Expense	D4929*E4919		0.070887	$11.30
4930	Intangibles	D4930*E4919		0.000000	$0.00
4931	***Total Other Direct Expenses***	Sum(E4922:E4930)			$43.35
4932					
4933	***TELRIC***	E4922+E4931			$202.77
4934					
4935	***Common***				
4936	Executive Expense	D4936*E4933		0.011267	$2.28
4937	Planning Expense	D4937*E4933		0.000525	$0.11
4938	External Relations Expense	D4938*E4933		0.037846	$7.67
4939	Legal Expense	D4939*E4933		0.004717	$0.96
4940	Other Procurement Expense	D4940*E4933		0.001860	$0.38
4941	Research & Development Expense	D4941*E4933		0.000006	$0.00
4942	Other General and Admin Expense	D4942*E4933		0.015064	$3.05
4943	***Common Costs***	Sum(E4936:E4942)			$14.45
4944					
4945	***TELRIC + Common Costs***	E4933+E4943			$217.23

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
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								
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.								
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	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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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**		**$24.83**
-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**
-INSTALLATION/FIELD TECHNICIAN								
Analyze Order	1	1.000				1.00	$42.68	$0.71
TRAVEL TIME	21	1.000				21.00	$42.68	$14.94
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	$1.85
Complete Service Terminal work	15	0.200				3.00	$42.68	$2.13
Customer Contact	5	1.000				5.00	$42.68	$3.56
CONTACT CCTI TO WORK ORDER	3	1.000				3.00	$42.68	$2.13
Coordinate with parties to work order	20	1.000				20.00	$42.68	$14.23
COMPLETE PERFORMANCE/CONFORMANCE TESTING	15	1.000				15.00	$42.68	$10.67
COMPLETE WITH LRAC	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**73.60**		**$52.35**
-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
Coordinate with parties to work order.	20	1.000				20.00	$43.81	$14.60
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						**95.00**		**$69.37**
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		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**		**$15.34**
-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						**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
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**15.00**		**$10.95**
Total For Service:						**355.20**		**$253.22**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
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)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
5087	**Direct Cost**				$253.22
5088					
5089					
5090					
5091					
5092	***Marketing & Business Fees***				
5093	Product Management Expense	D5093*E5087		0.019957	$5.05
5094	Sales Expense	D5094*E5087		0.011877	$3.01
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)			$8.45
5098					
5099	***Sub-Total Direct Cost & Marketing***	E5087+E5097			$261.67
5100					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	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&pai	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	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**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITH COOP TEST EA ADDL (con't)								
-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	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**
-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						**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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:						**214.83**		**$154.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
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 EA ADDL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
5267	**Direct Cost**				$154.27
5268					
5269					
5270					
5271					
5272	***Marketing & Business Fees***				
5273	Product Management Expense	D5273*E5267		0.019957	$3.08
5274	Sales Expense	D5274*E5267		0.011877	$1.83
5275	Product Advertising Expense	D5275*E5267		0.000000	$0.00
5276	Business Fees (Other Operating Taxes)	D5276*Sum(E5267:E5275)		0.001483	$0.24
5277	***Total Marketing & Business Fees***	Sum(E5267:E5276)			$5.15
5278					
5279	***Sub-Total Direct Cost & Marketing***	E5267+E5277			$159.42
5280					
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		0.043342	$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	D5289*E5279		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			$202.77
5294					
5295	***Common***				
5296	Executive Expense	D5296*E5293		0.011267	$2.28
5297	Planning Expense	D5297*E5293		0.000525	$0.11
5298	External Relations Expense	D5298*E5293		0.037846	$7.67
5299	Legal Expense	D5299*E5293		0.004717	$0.96
5300	Other Procurement Expense	D5300*E5293		0.001860	$0.38
5301	Research & Development Expense	D5301*E5293		0.000006	$0.00
5302	Other General and Admin Expense	D5302*E5293		0.015064	$3.05
5303	***Common Costs***	Sum(E5296:E5302)			$14.45
5304					
5305	***TELRIC + Common Costs***	E5293+E5303			$217.23

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP COORD INSTALL WITHOUT 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 accoun	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&pai	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)	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE FRAMES						19.00		$13.87

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	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						**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

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
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 WITHOUT TEST FIRST (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
5447	**Direct Cost**				$134.27
5448					
5449					
5450					
5451					
5452	***Marketing & 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 Expense	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 Costs***	E5473+E5483			$189.06

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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				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	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
Subtotal - CENTRAL OFFICE FRAMES						19.00		$13.87
-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
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)								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$2.00
Input order into service order processor. Type and format order for billing and provisionin	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisionin	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	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								
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:						129.83		$93.80

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
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 WITHOUT TEST EA ADDL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
5582	**Direct Cost**				$93.80
5583					
5584					
5585					
5586					
5587	***Marketing & Business Fees***				
5588	Product Management Expense	D5588*E5582		0.019957	$1.87
5589	Sales Expense	D5589*E5582		0.011877	$1.11
5590	Product Advertising Expense	D5590*E5582		0.000000	$0.00
5591	Business Fees (Other Operating Taxes)	D5591*Sum(E5582:E5590)		0.001483	$0.14
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	D5597*E5594		0.034832	$3.38
5598	Network Support Assets	D5598*E5594		0.014703	$1.43
5599	General Support Assets	D5599*E5594		0.088742	$8.60
5600	General Purpose Computers	D5600*E5594		0.043342	$4.20
5601	Uncollectible	D5601*E5594		0.003786	$0.37
5602	Accounting & Finance Expense	D5602*E5594		0.007346	$0.71
5603	Human Resources Expense	D5603*E5594		0.008294	$0.80
5604	Information Management Expense	D5604*E5594		0.070887	$6.87
5605	Intangibles	D5605*E5594		0.000000	$0.00
5606	***Total Other Direct Expenses***	Sum(E5597:E5605)			$26.36
5607					
5608	***TELRIC***	E5597+E5606			$123.29
5609					
5610	***Common***				
5611	Executive Expense	D5611*E5608		0.011267	$1.39
5612	Planning Expense	D5612*E5608		0.000525	$0.06
5613	External Relations Expense	D5613*E5608		0.037846	$4.67
5614	Legal Expense	D5614*E5608		0.004717	$0.58
5615	Other Procurement Expense	D5615*E5608		0.001860	$0.23
5616	Research & Development Expense	D5616*E5608		0.000006	$0.00
5617	Other General and Admin Expense	D5617*E5608		0.015064	$1.86
5618	***Common Costs***	Sum(E5611:E5617)			$8.79
5619					
5620	***TELRIC + Common Costs***	E5608+E5618			$132.07

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 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.								
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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (con't)								
Subtotal - CENTRAL OFFICE FRAMES						**34.00**		**$24.83**
-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**
-INSTALLATION/FIELD TECHNICIAN								
Analyze Order	1	1.000				1.00	$42.68	$0.71
TRAVEL TIME	21	1.000				21.00	$42.68	$14.94
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	$1.85
Complete Service Terminal work	15	0.200				3.00	$42.68	$2.13
Customer Contact	5	1.000				5.00	$42.68	$3.56
CONTACT CCTI 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
COMPLETE WITH LRAC	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**53.60**		**$38.13**
-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
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						**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
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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (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	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								
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:						**315.20**		**$224.39**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST FIRST (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
5762	**Direct Cost**				$224.39
5763					
5764					
5765					
5766					
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 Expense	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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC 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&pai	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	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL (con't)								
-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	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**
-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						**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

Work Item	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL (con't)								
Subtotal - CENTRAL OFFICE FRAMES						**11.60**		**$8.47**
Total For Service:						**214.83**		**$154.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DS1,DS3,OCN 3,12,48 LOOP BASIC INSTALL WITH COOP TEST EA ADDL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
5942	**Direct Cost**				$154.27
5943					
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 Expense	D5973*E5968		0.037846	$7.67
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	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				2.00	$39.16	$1.31
Verify Qwest end user Customer Service Record if order issuance applicable to this product	2	1.000				2.00	$39.16	$1.31
Determine if the end user has Qwest retail contract	2	1.000				2.00	$39.16	$1.31
Determine critical dates	1	1.000				1.00	$39.16	$0.65
Populate required fields	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. 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

PRIVATE LINE TO UNBUNDLED LOOP CONVERSION (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
6032	**Direct Cost**				$26.54
6033					
6034					
6035					
6036					
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 Expense	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 Expense	D6063*E6058		0.037846	$1.32
6064	Legal Expense	D6064*E6058		0.004717	$0.16
6065	Other Procurement Expense	D6065*E6058		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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP DISTRIBUTION 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	3	1.000				3.00	$40.03	$2.00
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
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&pai	5	0.050				0.25	$40.03	$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**35.75**		**$23.85**
-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**
-LRAC								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
SCREEN ORDER	2	0.200				0.40	$37.78	$0.25
LOAD WORK REQUEST/TECH LOAD SYSTEM	2	0.200				0.40	$37.78	$0.25
CLOSE OUT ORDER WITH TECH	3	0.050				0.15	$37.78	$0.09
Subtotal - LRAC						**0.95**		**$0.60**
-INSTALLATION/FIELD TECHNICIAN								
Travel time	21	1.000				21.00	$42.68	$14.94
Service Area Interface/field connection point work activity.	13	1.000				13.00	$42.68	$9.25
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	$7.47
Testing and turn up.	20	0.300				6.00	$42.68	$4.27
Close order in field access system/ WFADO	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**53.50**		**$38.06**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP DISTRIBUTION FIRST (con't)								
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	3	1.000				3.00	$40.03	$2.00
Input order into service order processor. Type and format order for billing and provisioninc	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisioninc	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:						**116.58**		**$79.98**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP DISTRIBUTION FIRST (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
6167	Direct Cost				$79.98
6168					
6169					
6170					
6171					
6172	***Marketing & Business Fees***				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	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&pai	1	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	0.300				3.00	$42.68	$2.13
Testing and turn up.	5	0.300				1.50	$42.68	$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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	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**
Total For Service:						**33.87**		**$22.95**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

SUBLOOP DISTRIBUTION EACH ADDITIONAL (con't,

6257	**Direct Cost**				$22.96
6258					
6259		**Cost**		**Cost**	
6260		**Calculation**		**Factor**	**Cost**
6261		**B**	**C**	**D**	**E**
6262	***Marketing & Business Fees***				
6263	Product Management Expense	**D6263*E6257**		0.019957	$0.46
6264	Sales Expense	**D6264*E6257**		0.011877	$0.27
6265	Product Advertising Expense	**D6265*E6257**		0.000000	$0.00
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					
6269	***Sub-Total Direct Cost & Marketing***	**E6257+E6267**			$23.72
6270					
6271	***Other Direct Expenses***				
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 Expense	**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					
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					
6295	***TELRIC + Common Costs***	**E6283+E6293**			$32.32

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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	3	1.000				3.00	$40.03	$2.00
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 optior	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)	3	1.000				3.00	$40.03	$2.00
Input order into service order processor. Type and format order for billing and provisioninc	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisioninc	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	0.050				0.25	$40.03	$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**35.75**		**$23.85**
-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)	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 provisioninc	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisioninc	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
SUBLOOP INTRABUILDING CABLE NO DISPATCH FIRST (con't)								
Total For Service:						62.13		$41.32

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		B	C	D	E
6397	***Marketing & Business Fees***				
6398	Product Management Expense	D6398*E6392		0.019957	$0.82
6399	Sales Expense	D6399*E6392		0.011877	$0.49
6400	Product Advertising Expense	D6400*E6392		0.000000	$0.00
6401	Business Fees (Other Operating Taxes)	D6401*Sum(E6392:E6400)		0.001483	$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		0.034832	$1.49
6408	Network Support Assets	D6408*E6404		0.014703	$0.63
6409	General Support Assets	D6409*E6404		0.088742	$3.79
6410	General Purpose Computers	D6410*E6404		0.043342	$1.85
6411	Uncollectible	D6411*E6404		0.003786	$0.16
6412	Accounting & Finance Expense	D6412*E6404		0.007346	$0.31
6413	Human Resources Expense	D6413*E6404		0.008294	$0.35
6414	Information Management Expense	D6414*E6404		0.070887	$3.03
6415	Intangibles	D6415*E6404		0.000000	$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		0.011267	$0.61
6422	Planning Expense	D6422*E6418		0.000525	$0.03
6423	External Relations Expense	D6423*E6418		0.037846	$2.06
6424	Legal Expense	D6424*E6418		0.004717	$0.26
6425	Other Procurement Expense	D6425*E6418		0.001860	$0.10
6426	Research & Development Expense	D6426*E6418		0.000006	$0.00
6427	Other General and Admin Expense	D6427*E6418		0.015064	$0.82
6428	***Common Costs***	Sum(E6421:E6427)			$3.87
6429					
6430	***TELRIC + Common Costs***	E6418+E6428			$58.18

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	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&pai	1	0.050				0.05	$40.03	$0.03
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**		**$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 provisioninc	5	1.000				5.00	$40.03	$3.34
Ensure order is successfully distributed to the systems and is ready for provisioninc	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**
Total For Service:						**26.03**		**$17.24**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I 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	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	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 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	0.200				1.20	$44.31	$0.89
ENTER WA MASK	5	0.100				0.50	$44.31	$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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP INTRABUILDING CABLE NO DISPATCH EACH ADDL (con't,

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
6482	Direct Cost				$17.24
6483					
6484					
6485					
6486					
6487	***Marketing & Business Fees***				
6488	Product Management Expense	D6488*E6482		0.019957	$0.34
6489	Sales Expense	D6489*E6482		0.011877	$0.20
6490	Product Advertising Expense	D6490*E6482		0.000000	$0.00
6491	Business Fees (Other Operating Taxes)	D6491*Sum(E6482:E6490)		0.001483	$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		0.034832	$0.62
6498	Network Support Assets	D6498*E6494		0.014703	$0.26
6499	General Support Assets	D6499*E6494		0.088742	$1.58
6500	General Purpose Computers	D6500*E6494		0.043342	$0.77
6501	Uncollectible	D6501*E6494		0.003786	$0.07
6502	Accounting & Finance Expense	D6502*E6494		0.007346	$0.13
6503	Human Resources Expense	D6503*E6494		0.008294	$0.15
6504	Information Management Expense	D6504*E6494		0.070887	$1.26
6505	Intangibles	D6505*E6494		0.000000	$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	D6511*E6508		0.011267	$0.26
6512	Planning Expense	D6512*E6508		0.000525	$0.01
6513	External Relations Expense	D6513*E6508		0.037846	$0.86
6514	Legal Expense	D6514*E6508		0.004717	$0.11
6515	Other Procurement Expense	D6515*E6508		0.001860	$0.04
6516	Research & Development Expense	D6516*E6508		0.000006	$0.00
6517	Other General and Admin Expense	D6517*E6508		0.015064	$0.34
6518	***Common Costs***	Sum(E6511:E6517)			$1.61
6519					
6520	***TELRIC + Common Costs***	E6508+E6518			$24.27

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order								
ADD								
-INTERCONNECT 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	$2.00
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 optior	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)	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	0.050				0.25	$40.03	$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**35.75**		**$23.85**
-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**
-LRAC								
Probabilities are % manual work required.								
SCREEN ORDER	2	0.200				0.40	$37.78	$0.25
LOAD WORK REQUEST/TECH LOAD SYSTEM	2	0.200				0.40	$37.78	$0.25
CLOSE OUT ORDER WITH TECH	3	0.050				0.15	$37.78	$0.09
Subtotal - LRAC						**0.95**		**$0.60**
-INSTALLATION/FIELD TECHNICIAN								
Travel time	21	1.000				21.00	$42.68	$14.94
Locate cross-connection location	10	1.000				10.00	$42.68	$7.11
Perform anac identification and run cross-connect	5	1.000				5.00	$42.68	$3.56
Testing and turn up.	5	1.000				5.00	$42.68	$3.56
Close order in field access system/ WFADO	3	1.000				3.00	$42.68	$2.13
Subtotal - INSTALLATION/FIELD TECHNICIAN						**44.00**		**$31.30**
DISCONNECT								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	$2.00
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	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:						107.08		$73.22

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

SUBLOOP INTRABUILDING CABLE DISPATCH FIRST per order (con't,

6617	**Direct Cost**				$73.22
6618					
6619		**Cost**		**Cost**	
6620		**Calculation**		**Factor**	**Cost**
6621		**B**	**C**	**D**	**E**
6622	***Marketing & Business Fees***				
6623	Product Management Expense	D6623*E6617		0.019957	$1.46
6624	Sales Expense	D6624*E6617		0.011877	$0.87
6625	Product Advertising Expense	D6625*E6617		0.000000	$0.00
6626	Business Fees (Other Operating Taxes)	D6626*Sum(E6617:E6625)		0.001483	$0.11
6627	***Total Marketing & Business Fees***	Sum(E6617:E6626)			$2.44
6628					
6629	***Sub-Total Direct Cost & Marketing***	E6617+E6627			$75.66
6630					
6631	***Other Direct Expenses***				
6632	Network Operations	D6632*E6629		0.034832	$2.64
6633	Network Support Assets	D6633*E6629		0.014703	$1.11
6634	General Support Assets	D6634*E6629		0.088742	$6.71
6635	General Purpose Computers	D6635*E6629		0.043342	$3.28
6636	Uncollectible	D6636*E6629		0.003786	$0.29
6637	Accounting & Finance Expense	D6637*E6629		0.007346	$0.56
6638	Human Resources Expense	D6638*E6629		0.008294	$0.63
6639	Information Management Expense	D6639*E6629		0.070887	$5.36
6640	Intangibles	D6640*E6629		0.000000	$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		0.011267	$1.08
6647	Planning Expense	D6647*E6643		0.000525	$0.05
6648	External Relations Expense	D6648*E6643		0.037846	$3.64
6649	Legal Expense	D6649*E6643		0.004717	$0.45
6650	Other Procurement Expense	D6650*E6643		0.001860	$0.18
6651	Research & Development Expense	D6651*E6643		0.000006	$0.00
6652	Other General and Admin Expense	D6652*E6643		0.015064	$1.45
6653	***Common Costs***	Sum(E6646:E6652)			$6.86
6654					
6655	***TELRIC + Common Costs***	E6643+E6653			$103.10

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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.								
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	0.050				0.05	$40.03	$0.03
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**		**$1.06**
-INSTALLATION/FIELD TECHNICIAN								
Perform anac identification and run cross-connect	5	1.000				5.00	$42.68	$3.56
Testing and turn up.	5	1.000				5.00	$42.68	$3.56
Subtotal - INSTALLATION/FIELD TECHNICIAN						**10.00**		**$7.11**
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	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**
Total For Service:						**36.03**		**$24.35**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP INTRABUILDING CABLE DISPATCH EACH ADDL per order (con't,

6707	**Direct Cost**				$24.36
6708					
6709		**Cost**		**Cost**	
6710		**Calculation**		**Factor**	**Cost**
6711		**B**	**C**	**D**	**E**
6712	***Marketing & Business Fees***				
6713	Product Management Expense	D6713*E6707		0.019957	$0.49
6714	Sales Expense	D6714*E6707		0.011877	$0.29
6715	Product Advertising Expense	D6715*E6707		0.000000	$0.00
6716	Business Fees (Other Operating Taxes)	D6716*Sum(E6707:E6715)		0.001483	$0.04
6717	***Total Marketing & Business Fees***	Sum(E6707:E6716)			$0.81
6718					
6719	***Sub-Total Direct Cost & Marketing***	E6707+E6717			$25.16
6720					
6721	***Other Direct Expenses***				
6722	Network Operations	D6722*E6719		0.034832	$0.88
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	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		0.000000	$0.00
6731	***Total Other Direct Expenses***	Sum(E6722:E6730)			$6.84
6732					
6733	***TELRIC***	E6722+E6731			$32.00
6734					
6735	***Common***				
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
6744					
6745	***TELRIC + Common Costs***	E6733+E6743			$34.29

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP MTE-POI SITE INVENTORY per request								
ADD								
-COLLOCATION PROJECT MANAGEMENT CENTER (CPMC)								
Receive and review request	2	1.000				2.00	$56.97	$1.90
Check for previous requests at address	2	1.000				2.00	$56.97	$1.90
Check for owner option	2	1.000				2.00	$56.97	$1.90
Determine engineer by using wire center information program	2	1.000				2.00	$56.97	$1.90
Add engineer data to request and print wire center information sheet	2	1.000				2.00	$56.97	$1.90
Compose email, attach request and forward to engineer	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
Create vitual folders on desktop and move electronic data into folders	.5	1.000				0.50	$56.97	$0.47
Print copy of email to Engineer	2	1.000				2.00	$56.97	$1.90
Creat physical folder and file	3	1.000				3.00	$56.97	$2.85
Enter request data into tracking system	5	1.000				5.00	$56.97	$4.75
Update response "due back" list	1	1.000				1.00	$56.97	$0.95
Receive and review response from Engineer	2	1.000				2.00	$56.97	$1.90
Add basic data	1	1.000				1.00	$56.97	$0.95
Compose and forward e-mail to SSC - attach to request and forward to SSC	2	1.000				2.00	$56.97	$1.90
Move file from desktop into results folder	.5	1.000				0.50	$56.97	$0.47
Print copy of e-mail to SSC	2	1.000				2.00	$56.97	$1.90
Place copy of e-mail in physical folder	2	1.000				2.00	$56.97	$1.90
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC						**43.00**		**$40.83**
-LOOP PROVISIONING CENTER (LPC)								
Build inventory in LFACS	4	1.000				4.00	$37.78	$2.52
Research job prints to find all required data	15	1.000				15.00	$37.78	$9.45
Subtotal - LOOP PROVISIONING CENTER (LPC)						**19.00**		**$11.96**
-OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)								
Check OSP records - OSP-FM/CIMAGE, LFACS, DA records	20	1.000				20.00	$51.76	$17.25
Update OSP-FM/CIMAGE and DA records	30	1.000				30.00	$51.76	$25.88
Subtotal - OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)						**50.00**		**$43.13**
Total For Service:						**112.00**		**$95.93**

CONTINUATION

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NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

SUBLOOP MTE-POI SITE INVENTORY per request (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
6797	**Direct Cost**				$95.93
6798					
6799					
6800					
6801					
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					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SUBLOOP DS1 FEEDER 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	3	1.000				3.00	$40.03	$2.00
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
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&pai	5	0.050				0.25	$40.03	$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ICS						35.75		$23.85
-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	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						34.00		$24.83

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	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**
-INSTALLATION/FIELD TECHNICIAN								
Analyze ordr	1	1.000				1.00	$42.68	$0.71
Travel time	21	1.000				21.00	$42.68	$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	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	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**
-DESIGN								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
Order handling/screen	5	0.100				0.50	$44.31	$0.37

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP DS1 FEEDER FIRST (con't)								
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								
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:						**327.90**		**$233.54**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP DS1 FEEDER FIRST (con't)

6977	**Direct Cost**				$233.54
6978					
6979		**Cost**		**Cost**	
6980		**Calculation**		**Factor**	**Cost**
6981		**B**	**C**	**D**	**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
6987	***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 Expense	D7007*E7003		0.000525	$0.16
7008	External Relations Expense	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

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SUBLOOP DS1 FEEDER 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				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&pai	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 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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SUBLOOP DS1 FEEDER EACH ADDITIONAL (con't)								
Subtotal - LRAC						**13.00**		**$8.19**
-INSTALLATION/FIELD TECHNICIAN								
Complete Serving Area Interface Wiring	10	1.000				10.00	$42.68	$7.11
Complete Field Connection Point Wiring	10	1.000				10.00	$42.68	$7.11
Complete performance/continuity testing	10	1.000				10.00	$42.68	$7.11
Complete work request with Load Specialist	1	1.000				1.00	$42.68	$0.71
Subtotal - INSTALLATION/FIELD TECHNICIAN						**31.00**		**$22.05**
-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	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**
-DESIGN								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
Order handling/screening	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								
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
Comlete work in WFADI	2	1.000				2.00	$43.81	$1.46

NONRECURRING COST DETAIL SUMMARY

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP DS1 FEEDER EACH ADDITIONAL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
7157	**Direct Cost**				$165.65
7158					
7159					
7160					
7161					
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 Expense	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	***Common***				
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***	E7183+E7193			$233.25

NONRECURRING COST DETAIL SUMMARY

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour 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	$170.91
Subtotal - INFRASTRUCTURE AVAILABILITY CENTER (IAC)						**180.00**		**$170.91**
-TACTICAL PLANNING								
Quote preparation for field connection point	480	1.000				480.00	$46.18	$369.44
Subtotal - TACTICAL PLANNING						**480.00**		**$369.44**
-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**		**$414.08**
Total For Service:						**1,140.00**		**$954.43**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SUBLOOP FIELD CONNECTION POINT QUOTATION PREP FEE (con't)

7247	**Direct Cost**				$954.43
7248					
7249		**Cost**		**Cost**	
7250		**Calculation**		**Factor**	**Cost**
7251		**B**	**C**	**D**	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
FIELD CONNECTION POINT RECLASSIFICATION								
ADD								
-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
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC						**86.00**		**$81.66**
-WORK FOR PROCESSING AN FEASIBILITY - CPMC								
Obtain files from validation group	2	1.000				2.00	$56.97	$1.90
Contact CPMC Project Manager	1	1.000				1.00	$56.97	$0.95
Receive OSP feasibility from COMC Project Managers	1	1.000				1.00	$56.97	$0.95
Print OSP feasibility out and File	2	1.000				2.00	$56.97	$1.90
Create Feasibility Form	5	1.000				5.00	$56.97	$4.75
Email Feasibility to Cust, WPM, SICM	2	1.000				2.00	$56.97	$1.90
Print email	1	1.000				1.00	$56.97	$0.95
File email and hard copy in Job Folder and File job away	3	1.000				3.00	$56.97	$2.85
Subtotal - WORK FOR PROCESSING AN FEASIBILITY - CPMC						**17.00**		**$16.14**
-WORK FOR PROJECT MANAGER - CPMC								
Receive job from validation	1	1.000				1.00	$56.97	$0.95
Download application to file	1	1.000				1.00	$56.97	$0.95
Complete OSP facesheet	5	1.000				5.00	$56.97	$4.75
Find OSP person from wirecenter	5	1.000				5.00	$56.97	$4.75
Email to OSP Tactical Planner with attachments	2	1.000				2.00	$56.97	$1.90
Print out and put in file	2	1.000				2.00	$56.97	$1.90
Check CPD for job entered	3	1.000				3.00	$56.97	$2.85
Input into comet the actual CPD date	3	1.000				3.00	$56.97	$2.85
Receive Feasibility from OSP TP check for accuracy	3	1.000				3.00	$56.97	$2.85

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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						**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 job 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								
Verifies schedule of Quote	1	1.000				1.00	$56.97	$0.95
Receive Funding Document and file	3	1.000				3.00	$56.97	$2.85
Check Funding Document with application	5	1.000				5.00	$56.97	$4.75

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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 Dept	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	15	1.000				15.00	$37.78	$9.45
Subtotal - LOOP PROVISIONING CENTER (LPC;						**22.00**		**$13.85**
-OUTSIDE PLANT ENGINEERING (OSP)								
Receive and review request	10	1.000				10.00	$51.76	$8.63
Create Common Planning Document (CPD) (using BAN provided by CPMC;	30	1.000				30.00	$51.76	$25.88
Access wirecenter software systems OSP-FM/CIMAGE	10	1.000				10.00	$51.76	$8.63
Navigate to work location in OSP-FM/CIMAGE	15	1.000				15.00	$51.76	$12.94
Design job and issue job via Job Distribution System (JDS)	60	1.000				60.00	$51.76	$51.76
Complete CPD (Design Complete) & send to Job Expenditure Tracking System (JETS)	10	1.000				10.00	$51.76	$8.63
Complete Alternate Point of Termination (APOT) form	10	1.000				10.00	$51.76	$8.63
Compile information and send to CPMC	10	1.000				10.00	$51.76	$8.63
Subtotal - OUTSIDE PLANT ENGINEERING (OSP)						**155.00**		**$133.71**
Total For Service:						**467.00**		**$422.92**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

FIELD CONNECTION POINT RECLASSIFICATION (con't)

		Cost Calculation		Cost Factor	Cost
7427	**Direct Cost**				$422.92
7428					
7429					
7430					
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					
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			$595.50

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
SHARED LOOP (per loop per order) Mechanized								
ADD								
-INTERCONNECT SERVICE CENTER (ICS)								
.6, .5 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	$0.30
Verify Connecting Facility Assignment (CFA) for facility/circuit availabilit	3	1.000	0.150			0.45	$40.03	$0.30
Exchange info, obtain CO, name, address, office type. Access Telephone Address Guide to obta	4	1.000	0.150			0.60	$40.03	$0.40
CPPD look-up billing USOC's for co-provider	2	1.000	0.150			0.30	$40.03	$0.20
Summary Bill List-Look up Billing Telephone Number, tax code, and bill date	2	1.000	0.150			0.30	$40.03	$0.20
Analyze request to determine co-provider, type of order, and installation option	2.5	1.000	0.150			0.38	$40.03	$0.25
Verify Qwest end user Customer Service Record to determine if order issuance is applicable	2	1.000	0.150			0.30	$40.03	$0.20
Populate required fields	3	1.000	0.150			0.45	$40.03	$0.30
Type, review and submit to customer the Firm Order Confirmation (FOC)	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	10	1.000	0.150			1.50	$40.03	$1.00
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	5	0.600	0.150			0.45	$40.03	$0.30
Handle issues including conditioning, facility, cable&pai	5	0.500	0.150			0.38	$40.03	$0.25
Subtotal - INTERCONNECT SERVICE CENTER (ICS)						**6.45**		**$4.30**
-CENTRAL OFFICE								
4 probability is the number of jumpers required.								
CO PLACE JUMPER(S)	4	4.000				16.00	$43.81	$11.68
PREPROVISIONING TESTING	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE						**18.00**		**$13.14**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
.15 probability is percent shared loop requests that will fall out.								
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)	2	0.150				0.30	$40.03	$0.20
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	10	0.150				1.50	$40.03	$1.00
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						**3.45**		**$2.30**
-CENTRAL OFFICE								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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:						**37.10**		**$26.47**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SHARED LOOP (per loop per order) Mechanized (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
7562	**Direct Cost**				$26.47
7563					
7564					
7565					
7566					
7567	***Marketing & Business Fees***				
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					
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					
7600	***TELRIC + Common Costs***	E7588+E7598			$37.27

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I H * (G/60)
NETWORK INTERFACE DEVICE								
ADD								
-INTERCONNECT SERVICE CENTER (ISC)								
PROVISION LINK ORDER	15	1.000				15.00	$39.16	$9.79
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						**15.00**		**$9.79**
-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**

NONRECURRING COST DETAIL SUMMARY

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Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**	**D**	**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					
7664	***Sub-Total Direct Cost & Marketing***	**E7652+E7662**			$51.28
7665					
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 Expense	**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					
7690	***TELRIC + Common Costs***	**E7678+E7688**			$69.87

NONRECURRING COST DETAIL SUMMARY

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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
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								
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				1.00	$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	3	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	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 COORDINATOR						**71.45**		**$47.67**
-DESIGNER								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
ORDER HANDLING/SCREEN	5	0.200				1.00	$44.31	$0.74
ORDER LOG	6	0.200				1.20	$44.31	$0.89
WORK AUTHORIZATION MASK	5	0.100				0.50	$44.31	$0.37
PREPARE 2 DRI SCREENS	10	0.200				2.00	$44.31	$1.48
DESIGN DS0 INTEROFFICE CHAN	20	0.100				2.00	$44.31	$1.48
DISTRIBUTE WORD	2	0.050				0.10	$44.31	$0.07
Subtotal - DESIGNER						**6.80**		**$5.02**

NONRECURRING COST DETAIL SUMMARY

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State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**50.00**		**$36.51**
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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	1	1.000				1.00	$40.03	$0.67
COMPLETE EXACT	1	1.000				1.00	$40.03	$0.67

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 is 90%.								
ORDER HANDLING/SCREEN	5	0.100				0.50	$44.31	$0.37
ORDER LOG GOC	6	0.100				0.60	$44.31	$0.44
WORK AUTHORIZATION MASK	5	0.100				0.50	$44.31	$0.37
DISTRIBUTE WORD	2	0.100				0.20	$44.31	$0.15
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**

NONRECURRING COST DETAIL SUMMARY

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Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT DSO (con't)

7832	***Direct Cost***				$196.11
7833					
7834					
7835		**Cost Calculation**		**Cost Factor**	**Cost**
7836		**B**	**C**	**D**	**E**
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 Marketing & Business Fees***	**Sum(E7832:E7841)**			$6.54
7843					
7844	***Sub-Total Direct Cost & Marketing***	**E7832+E7842**			$202.65
7845					
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	***Common***				
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

NONRECURRING COST DETAIL SUMMARY

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UDIT DS1/DS3/OC3/OC12/OC48								
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				1.00	$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	3	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	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 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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I 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	$43.81	$7.30
DSX3 CROSS-CONNECT	4	1.000	2.000			8.00	$43.81	$5.84
PLACE LOOPBACK TEST PLUG	2	1.000				2.00	$43.81	$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
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						**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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT DS1/DS3/OC3/OC12/OC48 (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
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								
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:						**322.09**		**$228.56**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT DS1/DS3/OC3/OC12/OC48 (con't)

8012	**Direct Cost**				$226.56
8013					
8014		**Cost**		**Cost**	
8015		**Calculation**		**Factor**	**Cost**
8016		**B**	**C**	**D**	**E**
8017	***Marketing & Business Fees***				
8018	Product Management Expense	D8018*E8012		0.019957	$4.56
8019	Sales Expense	D8019*E8012		0.011877	$2.71
8020	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)			$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 Expense	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	***Common***				
8041	Executive Expense	D8041*E8038		0.011267	$3.38
8042	Planning Expense	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					
8050	***TELRIC + Common Costs***	E8038+E8048			$321.82

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UDIT M1-0 MULTIPLEXING HIGH SIDE								
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				1.00	$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	3	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	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 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	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UDIT M1-0 MULTIPLEXING HIGH SIDE (con't,								
-CENTRAL OFFICE FRAMES								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
DSX3 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						**21.00**		**$15.33**
-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						**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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT M1-0 MULTIPLEXING HIGH 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
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
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						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:						243.79		$171.38

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

UDIT M1-0 MULTIPLEXING HIGH SIDE (con't,

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
8192	**Direct Cost**				$171.38
8193					
8194					
8195					
8196					
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

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.

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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	1	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	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				2.00	$40.03	$1.33
Subtotal - SERVICE DELIVERY COORDINATOR						**953.05**		**$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.

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I 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
Subtotal - DESIGN						**348.85**		**$257.63**
-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
DSX3 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
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-I	2	28.000				56.00	$43.81	$40.89
Subtotal - CENTRAL OFFICE FRAMES						**372.00**		**$271.62**
-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 IMPLEMENTOF						**185.00**		**$135.08**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT M1-3 MULTIPLEXING (con't,								
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
.90 PROBABILITY OF ASRs 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 SERVICE 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	0.100	28.000			5.60	$44.31	$4.14
ENTER WA MASK	2	0.100	28.000			5.60	$44.31	$4.14
DISCONNECT CIRCUIT	2	0.100	28.000			5.60	$44.31	$4.14
DISTRIBUTE WORD DOC	2	0.100	28.000			5.60	$44.31	$4.14

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT M1-3 MULTIPLEXING (con't								
Subtotal - DESIGN						**30.30**		**$22.38**
-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				2.30	$43.81	$1.68
COMPLETE ORDER IN WFA-DI	2	1.000				2.00	$43.81	$1.46
ANALYZE ORDER	2	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	2	28.000				56.00	$43.81	$40.89
Subtotal - CENTRAL OFFICE FRAMES						**185.70**		**$135.59**
-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				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
SCREEN WFA FOR CIRCUIT	2	28.000				56.00	$43.81	$40.89
COMPLETE CIRCUIT IN WFA/C	2	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT M1-3 MULTIPLEXING (con't,

8417	**Direct Cost**				$2,138.71
8418					
8419		Cost		Cost	
8420		Calculation		Factor	Cost
8421		B	C	D	E
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)			$71.36
8428					
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	D8446*E8443		0.011267	$31.67
8447	Planning Expense	D8447*E8443		0.000525	$1.48
8448	External Relations Expense	D8448*E8443		0.037846	$106.39
8449	Legal Expense	D8449*E8443		0.004717	$13.26
8450	Other Procurement Expense	D8450*E8443		0.001860	$5.23
8451	Research & Development Expense	D8451*E8443		0.000006	$0.02
8452	Other General and Admin Expense	D8452*E8443		0.015064	$42.35
8453	***Common Costs***	Sum(E8446:E8452)			$200.39
8454					
8455	***TELRIC + Common Costs***	E8443+E8453			$3,011.44

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UDIT M1-0 MULTIPLEXING LOW SIDE								
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				1.00	$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	3	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	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 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	0.200				1.20	$44.31	$0.89
ENTER WA MASK	5	0.100				0.50	$44.31	$0.37
PREP LOOP INPUT	10	0.200				2.00	$44.31	$1.48
CIRCUIT DESIGN	20	0.100				2.00	$44.31	$1.48
DISTRIBUTE WORD	2	0.050				0.10	$44.31	$0.07
Subtotal - DESIGN						**6.80**		**$5.02**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection
State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT M1-0 MULTIPLEXING LOW SIDE (con't)								
-CENTRAL OFFICE FRAMES								
ANALYZE ORDER	5	1.000				5.00	$43.81	$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	$43.81	$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**
-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						**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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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:						**210.64**		**$146.97**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT M1-0 MULTIPLEXING LOW SIDE (con't)

8597	***Direct Cost***				$146.97
8598					
8599		**Cost**		**Cost**	
8600		**Calculation**		**Factor**	**Cost**
8601		**B**	**C**	**D**	**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 Expense	**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***	**E8623+E8633**			$206.94

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
EUDIT DS1/DS3/OC3/OC12/OC48								
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				1.00	$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	3	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	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 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	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
EUDIT DS1/DS3/OC3/OC12/OC48 (con't)								
-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						**13.00**		**$8.19**
-INSTALLATION/FIELD TECHNICIAN								
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								
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						**95.00**		**$69.37**
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
.90 PROBABILITY OF ASRs ARE MECHANICAL								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$0.67
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				5.00	$40.03	$3.34
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 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
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								
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
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

EUDIT DS1/DS3/OC3/OC12/OC48 (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
8822	**Direct Cost**				$270.76
8823					
8824					
8825					
8826					
8827	***Marketing & Business Fees***				
8828	Product Management Expense	**D8828*E8822**		0.019957	$5.40
8829	Sales Expense	**D8829*E8822**		0.011877	$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)**			$9.03
8833					
8834	***Sub-Total Direct Cost & Marketing***	**E8822+E8832**			$279.79
8835					
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**		0.007346	$2.06
8843	Human Resources Expense	**D8843*E8834**		0.008294	$2.32
8844	Information Management Expense	**D8844*E8834**		0.070887	$19.83
8845	Intangibles	**D8845*E8834**		0.000000	$0.00
8846	***Total Other Direct Expenses***	**Sum(E8837:E8845)**			$76.08
8847					
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 Procurement 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT DS0 REARRANGEMENT SINGLE OFFICE (con't)								
Subtotal - DESIGN						**7.30**		**$5.39**
-CENTRAL OFFICE FRAMES								
work done in one central office								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
CONTACT CCTI TO WORK ORDER	3	1.000				3.00	$43.81	$2.19
REMOVE CROSS-CONNECT	2.3	1.000				2.30	$43.81	$1.68
COMPLETE CROSS-CONNECT	4	1.000				4.00	$43.81	$2.92
PERFORM LINE/DROP TESTING	8	1.000				8.00	$43.81	$5.84
COMPLETE CONFORMANCE TEST	15	1.000				15.00	$43.81	$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						**42.30**		**$30.89**
-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
COORDINATE CIRCUIT TEST	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						**50.00**		**$36.51**
Total For Service:						**171.05**		**$120.45**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT DS0 REARRANGEMENT SINGLE OFFICE (con't)

8957	**Direct Cost**				$120.45
8958					
8959		**Cost Calculation**		**Cost Factor**	**Cost**
8960					
8961		**B**	**C**	**D**	**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	***Common Costs***	**Sum(E8986:E8992)**			$11.29
8994					
8995	***TELRIC + Common Costs***	**E8983+E8993**			$169.61

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 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	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 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	0.200				1.20	$44.31	$0.89
ENTER WA MASK	5	0.100				0.50	$44.31	$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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT DS0 REARRANGEMENT DUAL OFFICE (con't)								
Subtotal - DESIGN						**7.30**		**$5.39**
-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
CONTACT CCTI TO WORK ORDER	3	1.000	2.000			6.00	$43.81	$4.38
REMOVE CROSS-CONNECT	2.3	1.000	2.000			4.60	$43.81	$3.36
COMPLETE CROSS-CONNECT	4	1.000	2.000			8.00	$43.81	$5.84
PERFORM 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						**84.60**		**$61.77**
-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
COORDINATE CIRCUIT TEST	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						**50.00**		**$36.51**
Total For Service:						**213.35**		**$151.34**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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***				
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	$13.88
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	***TELRIC***	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 Costs***	E9118+E9128			$213.10

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UDIT HICAP 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	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	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 COORDINATOR						71.45		$47.67
-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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT HICAP REARRANGEMENT SINGLE OFFICE (con't,								
Subtotal - DESIGN						**68.00**		**$50.22**
-CENTRAL OFFICE FRAMES								
Work done in one central office.								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
CONTACT CCTI TO WORK ORDER	3	1.000				3.00	$43.81	$2.19
REMOVE CROSS-CONNECT	2.3	1.000				2.30	$43.81	$1.68
COMPLETE CROSS-CONNECT	4	1.000				4.00	$43.81	$2.92
PERFORM LINE/DROP TESTING	8	1.000				8.00	$43.81	$5.84
COMPLETE CONFORMANCE TEST	15	1.000				15.00	$43.81	$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						**42.30**		**$30.89**
-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
COORDINATE CIRCUIT TEST	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						**50.00**		**$36.51**
Total For Service:						**231.75**		**$165.28**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT HICAP REARRANGEMENT SINGLE OFFICE (con't,

		Cost Calculation		Cost Factor	Cost
9227	**Direct Cost**				$165.28
9228					
9229					
9230					
9231		B	C	D	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					
9239	***Sub-Total Direct Cost & Marketing***	E9227+E9237			$170.80
9240					
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					
9265	***TELRIC + Common Costs***	E9253+E9263			$232.73

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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				1.00	$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	3	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	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 COORDINATOR						**71.45**		**$47.67**
-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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UDIT HICAP REARRANGEMENT DUAL OFFICE (con't,								
Subtotal - DESIGN						**68.00**		**$50.22**
-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
CONTACT CCTI TO WORK ORDER	3	1.000	2.000			6.00	$43.81	$4.38
REMOVE CROSS-CONNECT	2.3	1.000	2.000			4.60	$43.81	$3.36
COMPLETE CROSS-CONNECT	4	1.000	2.000			8.00	$43.81	$5.84
PERFORM LINE/DROP TESTING	8	1.000	2.000			16.00	$43.81	$11.68
COMPLETE CONFORMANCE TEST	15	1.000				15.00	$43.81	$10.95
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						**69.60**		**$50.82**
-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
COORDINATE CIRCUIT TEST	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 IMPLEMENTOF						**50.00**		**$36.51**
Total For Service:						**259.05**		**$185.21**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UDIT HICAP REARRANGEMENT DUAL OFFICE (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
9362	**Direct Cost**				$185.21
9363					
9364					
9365					
9366					
9367	***Marketing & Business Fees***				
9368	Product Management Expense	D9368*E9362		0.019957	$3.70
9369	Sales Expense	D9369*E9362		0.011877	$2.20
9370	Product Advertising Expense	D9370*E9362		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	$1.41
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			$260.79

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12								
<u>ADD</u>								
<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								
Prob. 2 (.33) is percent orders for Ports subsequent to installed EUDIT.								
Prob. 3 (.33) is average number of ports per order.								
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	1.000	0.330	0.330		1.09	$40.03	$0.73
CHECK CREDIT INFO/SECURITY	2	1.000	0.330	0.330		0.22	$40.03	$0.15
TIRKS	3	1.000	0.330	0.330		0.33	$40.03	$0.22
TIRKS	5	1.000	0.330	0.330		0.54	$40.03	$0.36
VALIDATE ADDRESS IN TAG	3	1.000	0.330	0.330		0.33	$40.03	$0.22
VALIDATE CONTRACT RATES	3	1.000	0.330	0.330		0.33	$40.03	$0.22
VERIFY LOA	5	0.650	0.330	0.330		0.35	$40.03	$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	1	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
<u>-DESIGN</u>								
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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	$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						**95.00**		**$69.37**
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.								
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		0.11	$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						**4.41**		**$2.94**
-DESIGN								
Design is 100% manual work.								
ORDER HANDLING/SCREEN	5	1.000				5.00	$44.31	$3.69

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	5	1.000				5.00	$44.31	$3.69
DISTRIBUTE WORD DOC	2	1.000				2.00	$44.31	$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				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:						**208.19**		**$151.96**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

EUDIT REMOTE NODE PORT DS1/DS3/OC3/OC12 (con't)

9542	**Direct Cost**				$151.96
9543					
9544		**Cost**		**Cost**	
9545		**Calculation**		**Factor**	**Cost**
9546		**B**	**C**	**D**	**E**
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
9555					
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 Expense	**D9562*E9554**		0.007346	$1.15
9563	Human Resources Expense	**D9563*E9554**		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					
9568	***TELRIC***	E9557+E9566			$199.73
9569					
9570	***Common***				
9571	Executive Expense	**D9571*E9568**		0.011267	$2.25
9572	Planning Expense	**D9572*E9568**		0.000525	$0.10
9573	External Relations Expense	**D9573*E9568**		0.037846	$7.56
9574	Legal Expense	**D9574*E9568**		0.004717	$0.94
9575	Other Procurement Expense	**D9575*E9568**		0.001860	$0.37
9576	Research & Development Expense	**D9576*E9568**		0.000006	$0.00
9577	Other General and Admin Expense	**D9577*E9568**		0.015064	$3.01
9578	***Common Costs***	Sum(E9571:E9577)			$14.24
9579					
9580	***TELRIC + Common Costs***	E9568+E9578			$213.97

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	$1.90
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	1.000				5.00	$56.97	$4.75
Update response "due back" list	1.0	1.000				1.00	$56.97	$0.95
File physical folder	1.0	1.000				1.00	$56.97	$0.95
Verify status of planners response	15.0	1.000				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**
-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	$103.52
Subtotal - PLANNING (OSP) OR IOF ENGR.						**120.00**		**$103.52**
-IOF Tactical Planning								
Reviews TIRKS and planned jobs for spare IOF-IOF fiber capacity (time per Central Office)	15	1.000				15.00	$46.18	$11.55
Subtotal - IOF Tactical Planning						**15.00**		**$11.55**
Total For Service:						**205.50**		**$182.00**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

DARK FIBER - INITIAL RECORDS INQUIRY SIMPLE (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
9632	Direct Cost				$182.00
9633					
9634					
9635					
9636					
9637	***Marketing & Business Fees***				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	1.000				5.00	$56.97	$4.75
Update response "due back" list	1.0	1.000				1.00	$56.97	$0.95
File physical folder	1.0	1.000				1.00	$56.97	$0.95
Verify status of planners response	15.0	1.000				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 jobs								
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**
-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	150	1.000				150.00	$51.76	$129.40
Subtotal - OUTSIDE PLANT ENGINEERING - PLANNING (OSP)						**150.00**		**$129.40**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX (con't,								
Total For Service:						***243.00***		***$213.66***

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER - INITIAL RECORDS INQUIRY COMPLEX (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
9767	**Direct Cost**				$213.66
9768					
9769					
9770					
9771					
9772	***Marketing & Business Fees***				
9773	Product Management Expense	D9773*E9767		0.019957	$4.26
9774	Sales Expense	D9774*E9767		0.011877	$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)			$7.13
9778					
9779	***Sub-Total Direct Cost & Marketing***	E9767+E9777			$220.79
9780					
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 Expense	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	***TELRIC***	E9782+E9791			$280.82
9794					
9795	***Common***				
9796	Executive Expense	D9796*E9793		0.011267	$3.16
9797	Planning Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION								
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
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	1.000				5.00	$56.97	$4.75
Update response "due back" list	1.0	1.000				1.00	$56.97	$0.95
File physical folder	1.0	1.000				1.00	$56.97	$0.95
Verify status of planners response	15.0	1.000				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						***68.50***		***$65.04***
-OUTSIDE PLANT ENGINEERING - PLANNING (OSP)								
Receive and review request	10	1.000				10.00	$51.76	$8.63
Access Database - TIRKS	15	1.000				15.00	$51.76	$12.94
Access Database - 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
Verify fiber counts still spare and available - create work prints	60	1.000				60.00	$51.76	$51.76
Verify fiber counts still spare and available - open and detail proposal in CPD	90	1.000				90.00	$51.76	$77.64
Verify fiber counts still spare and available - prepare work package in CPD	30	1.000				30.00	$51.76	$25.88
Send package to field engineer	5	1.000				5.00	$51.76	$4.31
Review returned information from field engr for modifications from actual or records errors	45	1.000				45.00	$51.76	$38.82
Compile response to CPMC for field findings	30	1.000				30.00	$51.76	$25.88
Send field verification info received from field engr to records center for OSP records update	15	1.000				15.00	$51.76	$12.94
Subtotal - OUTSIDE PLANT ENGINEERING - PLANNING (OSP)						***355.00***		***$306.25***
-OUTSIDE PLANT ENGINEERING - FIELD ENGR. (OSP)								

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION (con't,								
Travel time in metro area	60	1.000				60.00	$51.76	$51.76
Make field visit, verify/identify issues at the proposed location.	120	1.000				120.00	$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						**7.50**		**$5.77**
-CMC								
.5 prob is percent of time splice point inquiry made versus structure inquiry.								
Identify issues at the proposed location.	87	0.500				43.50	$42.68	$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	60	0.500	2.000			60.00	$42.68	$42.68
Setup for conformance test	150	0.500	2.000			150.00	$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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER - FIELD VERIFICATION AND QUOTE PREPARATION (con't,

9902	**Direct Cost**				$728.31
9903					
9904		Cost		Cost	
9905		Calculation		Factor	Cost
9906		B	C	D	E
9907	***Marketing & Business Fees***				
9908	Product Management Expense	D9908*E9902		0.019957	$14.54
9909	Sales Expense	D9909*E9902		0.011877	$8.65
9910	Product Advertising Expense	D9910*E9902		0.000000	$0.00
9911	Business Fees (Other Operating Taxes)	D9911*Sum(E9902:E9910)		0.001483	$1.11
9912	***Total Marketing & Business Fees***	Sum(E9902:E9911)			$24.30
9913					
9914	***Sub-Total Direct Cost & Marketing***	E9902+E9912			$752.61
9915					
9916	***Other Direct Expenses***				
9917	Network Operations	D9917*E9914		0.034832	$26.21
9918	Network Support Assets	D9918*E9914		0.014703	$11.07
9919	General Support Assets	D9919*E9914		0.088742	$66.79
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		0.000000	$0.00
9926	***Total Other Direct Expenses***	Sum(E9917:E9925)			$204.66
9927					
9928	***TELRIC***	E9917+E9926			$957.27
9929					
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	$36.23
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					
9940	***TELRIC + Common Costs***	E9928+E9938			$1,025.51

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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						**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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER - ENGINEER VERIFICATION (con't,

		Cost Calculation	Cost Factor	Cost
9992	**Direct Cost**			$250.17
9993				
9994				
9995				
9996		B C	D	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				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR								
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				1.00	$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	3	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	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 COORDINATOR						71.45		$47.67
-DESIGN (KATHY PLATTS)								
Order handling/screening	5	1.000				5.00	$44.31	$3.69
GOC (Generic Order Control) 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 Record Detail) doc	2	1.000				2.00	$44.31	$1.48
Subtotal - DESIGN (KATHY PLATTS)						63.00		$46.53

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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
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**
-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**
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				5.00	$40.03	$3.34

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't								
DISTRIBUTE SERVICE ORDER TO THE SOPs	1	1.000				1.00	$40.03	$0.67
CHECK SOAC	3	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	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 COORDINATOR						**40.49**		**$27.01**
-DESIGN (KATHY PLATTS)								
Order handling/screening	5	1.000				5.00	$44.31	$3.69
GOC (Generic Order Control) 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
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
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
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						**97.00**		**$69.00**
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't,								
Total For Service:						**541.94**		**$380.57**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER NRC PER OCCURRENCE, PER ROUTE - FIRST FIBER STRAND OR PAIR (con't,

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
10217	**Direct Cost**				$380.57
10218					
10219					
10220					
10221					
10222	***Marketing & Business Fees***				
10223	Product Management Expense	**D10223*E10217**		0.019957	$7.60
10224	Sales Expense	**D10224*E10217**		0.011877	$4.52
10225	Product Advertising Expense	**D10225*E10217**		0.000000	$0.00
10226	Business Fees (Other Operating Taxes)	**D10226*Sum(E10217:E10225)**		0.001483	$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	**D10232*E10229**		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	**D10246*E10243**		0.011267	$5.64
10247	Planning Expense	**D10247*E10243**		0.000525	$0.26
10248	External Relations Expense	**D10248*E10243**		0.037846	$18.93
10249	Legal Expense	**D10249*E10243**		0.004717	$2.36
10250	Other Procurement Expense	**D10250*E10243**		0.001860	$0.93
10251	Research & Development Expense	**D10251*E10243**		0.000006	$0.00
10252	Other General and Admin Expense	**D10252*E10243**		0.015064	$7.54
10253	***Common Costs***	**Sum(E10246:E10252)**			$35.66
10254					
10255	***TELRIC + Common Costs***	**E10243+E10253**			$535.86

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR								
ADD								
-DESIGN (KATHY PLATTS)								
Order handling/screening	5	1.000				5.00	$44.31	$3.69
GOC (Generic Order Control) 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 Record Detail) doc	2	1.000				2.00	$44.31	$1.48
Subtotal - DESIGN (KATHY PLATTS)						**63.00**		**$46.53**
-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
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						**85.00**		**$60.46**
-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
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,						**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	6	1.000				6.00	$44.31	$4.43
Enter WA (Work Authorization) mask	5	1.000				5.00	$44.31	$3.69

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR (con't,								
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	$7.11
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:						**276.00**		**$196.15**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER NRC PER OCCURRENCE, PER ROUTE - EACH ADDL FIBER STRAND OR PAIR (con't

	Work Item	Cost Calculation B	C	Cost Factor D	Cost E
10352	**Direct Cost**				$196.15
10353					
10354					
10355					
10356					
10357	***Marketing & Business Fees***				
10358	Product Management Expense	D10358*E10352		0.019957	$3.91
10359	Sales Expense	D10359*E10352		0.011877	$2.33
10360	Product Advertising Expense	D10360*E10352		0.000000	$0.00
10361	Business Fees (Other Operating Taxes)	D10361*Sum(E10352:E10360)		0.001483	$0.30
10362	***Total Marketing & Business Fees***	Sum(E10352:E10361)			$6.54
10363					
10364	***Sub-Total Direct Cost & Marketing***	E10352+E10362			$202.70
10365					
10366	***Other Direct Expenses***				
10367	Network Operations	D10367*E10364		0.034832	$7.06
10368	Network Support Assets	D10368*E10364		0.014703	$2.98
10369	General Support Assets	D10369*E10364		0.088742	$17.99
10370	General Purpose Computers	D10370*E10364		0.043342	$8.79
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***	Sum(E10367:E10375)			$55.12
10377					
10378	***TELRIC***	E10367+E10376			$257.81
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
10388	***Common Costs***	Sum(E10381:E10387)			$18.38
10389					
10390	***TELRIC + Common Costs***	E10378+E10388			$276.19

CONTINUATION

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NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (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	$3.65
COMPLETE FIBER CROSS-CONNECT	4	1.000				4.00	$43.81	$2.92
TAG FIBER PAIR AT CO CIRCUIT LABELS PL	2.5	1.000				2.50	$43.81	$1.83
Subtotal - CENTRAL OFFICE (CO)						11.50		$8.40
DISCONNECT								
-CENTRAL OFFICE (CO)								
REVIEW SERVICE ORDER	5	1.000				5.00	$43.81	$3.65
DISCONNECT FIBER CROSS-CONNECT	2.3	1.000				2.30	$43.81	$1.68
REMOVE FIBER PAIRS TAGS AT CO	2.5	1.000				2.50	$43.81	$1.83
Subtotal - CENTRAL OFFICE (CO)						9.80		$7.16
Total For Service:						21.30		$15.55

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

OPTICAL CROSS CONN - PER FIBER STRAND OR PAIR PER CENTRAL OFFICE (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
10442	**Direct Cost**				$15.55
10443					
10444					
10445					
10446					
10447	***Marketing & Business Fees***				
10448	Product Management Expense	D10448*E10442		0.019957	$0.31
10449	Sales Expense	D10449*E10442		0.011877	$0.18
10450	Product Advertising Expense	D10450*E10442		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)			$0.52
10453					
10454	***Sub-Total Direct Cost & Marketing***	E10442+E10452			$16.07
10455					
10456	***Other Direct Expenses***				
10457	Network Operations	D10457*E10454		0.034832	$0.56
10458	Network Support Assets	D10458*E10454		0.014703	$0.24
10459	General Support Assets	D10459*E10454		0.088742	$1.43
10460	General Purpose Computers	D10460*E10454		0.043342	$0.70
10461	Uncollectible	D10461*E10454		0.003786	$0.06
10462	Accounting & Finance Expense	D10462*E10454		0.007346	$0.12
10463	Human Resources Expense	D10463*E10454		0.008294	$0.13
10464	Information Management Expense	D10464*E10454		0.070887	$1.14
10465	Intangibles	D10465*E10454		0.000000	$0.00
10466	***Total Other Direct Expenses***	Sum(E10457:E10465)			$4.37
10467					
10468	***TELRIC***	E10457+E10466			$20.44
10469					
10470	***Common***				
10471	Executive Expense	D10471*E10468		0.011267	$0.23
10472	Planning Expense	D10472*E10468		0.000525	$0.01
10473	External Relations Expense	D10473*E10468		0.037846	$0.77
10474	Legal Expense	D10474*E10468		0.004717	$0.10
10475	Other Procurement Expense	D10475*E10468		0.001860	$0.04
10476	Research & Development Expense	D10476*E10468		0.000006	$0.00
10477	Other General and Admin Expense	D10477*E10468		0.015064	$0.31
10478	***Common Costs***	Sum(E10471:E10477)			$1.46
10479					
10480	***TELRIC + Common Costs***	E10468+E10478			$21.90

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
DARK FIBER - SPLICE								
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
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 planne	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	1.000				5.00	$56.97	$4.75
Update response "due back" list	1.0	1.000				1.00	$56.97	$0.95
File physical folder	1.0	1.000				1.00	$56.97	$0.95
Verify status of planners response	15.0	1.000				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
Fowrard completion data to ATR	2.0	1.000				2.00	$56.97	$1.90
Subtotal - COLLOCATION PROJECT MANAGEMENT CENTER (CPMC						**70.50**		**$66.94**
-OUTSIDE PLANT ENGINEERING (OSP) - PLANNING								
Receive and Review Request	10	1.000				10.00	$51.76	$8.63
Access OSPFM/CIMAGE Data Base (opening only):	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, creat work prints,								
a) Create work prints	15	1.000				15.00	$51.76	$12.94
b) open and detail proposal in CPD	15	1.000				15.00	$51.76	$12.94
c) prepare work package in CPD	15	1.000				15.00	$51.76	$12.94
Send package to CMC	5	1.000				5.00	$51.76	$4.31
Subtotal - OUTSIDE PLANT ENGINEERING (OSP) - PLANNING						**85.00**		**$73.33**
-CONSTRUCTION MANAGEMENT CENTER (CMC)								
Identify issues at the proposed location.	87	1.000				87.00	$42.68	$61.89
Subtotal - CONSTRUCTION MANAGEMENT CENTER (CMC						**87.00**		**$61.89**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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.								
[mh tech] Identify strand to be spliced	2	2.000				4.00	$42.68	$2.85
2 probability is two fiber strands								
[mh tech] Splice strand - mechanical or fusion	2	2.000				4.00	$42.68	$2.85
[mh tech] Close splice case	8	1.000				8.00	$42.68	$5.69
[mh tech] Replace case in manhole	3	1.000				3.00	$42.68	$2.13
[mh tech] Strap case to wall of manhole	2	1.000				2.00	$42.68	$1.42
[mh tech] Remove work area protection - load equipment in truck, pick up cones	8	1.000				8.00	$42.68	$5.69
[mh tech] Travel back to yard	20	1.000				20.00	$42.68	$14.23
[co/cp tech] Load material on truck	7	1.000				7.00	$42.68	$4.98
[co/cp tech] Travel from yard to central office	20	1.000				20.00	$42.68	$14.23
[co/cp tech] Access central office - park truck, gain access, find location where fiber is terminated	15	1.000				15.00	$42.68	$10.67
2 probability is for the two tech locating talk pairs to extablish contact.								
[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.								
[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.								
[co/cp tech & mh tech] Establish communication 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
[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	$7.11
Test for continuity	2	2.000				4.00	$42.68	$2.85

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
DARK FIBER - SPLICE (con't;								
Disassemble test gear	10	2.000				20.00	$42.68	$14.23
Unload test gear	5	2.000				10.00	$42.68	$7.11
SIGN AND BARRACDE RENTAL IS 66.50. PROBABILITY OF OCCURRENCE 50%								$33.25
Subtotal - SPLICER						**341.50**		**$276.17**
Total For Service:						**584.00**		**$478.32**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DARK FIBER - SPLICE (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
10622	**Direct Cost**				$478.32
10623					
10624					
10625					
10626					
10627	***Marketing & Business Fees***				
10628	Product Management Expense	D10628*E10622		0.019957	$9.55
10629	Sales Expense	D10629*E10622		0.011877	$5.68
10630	Product Advertising Expense	D10630*E10622		0.000000	$0.00
10631	Business Fees (Other Operating Taxes)	D10631*Sum(E10622:E10630)		0.001483	$0.73
10632	***Total Marketing & Business Fees***	Sum(E10622:E10631)			$15.96
10633					
10634	***Sub-Total Direct Cost & Marketing***	E10622+E10632			$494.28
10635					
10636	***Other Direct Expenses***				
10637	Network Operations	D10637*E10634		0.034832	$17.22
10638	Network Support Assets	D10638*E10634		0.014703	$7.27
10639	General Support Assets	D10639*E10634		0.088742	$43.86
10640	General Purpose Computers	D10640*E10634		0.043342	$21.42
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	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					
10648	***TELRIC***	E10637+E10646			$628.69
10649					
10650	***Common***				
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
10659					
10660	***TELRIC + Common Costs***	E10648+E10658			$673.51

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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 PLANNI	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
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
Subtotal - 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)	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
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	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**
-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	1.000				5.00	$43.81	$3.65
COMPLETE CIRCUIT IN WORK FORCE ADMINISTRATION / CONTROL (WFA-C)	10	1.000				10.00	$43.81	$7.30

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	$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								
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						**9.45**		**$6.98**
-CENTRAL OFFICE TECHNICIAN								
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	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						**12.00**		**$8.76**
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000				5.00	$43.81	$3.65
CONTACT CO-PROVIDER	5	1.000				5.00	$43.81	$3.65
COMPELTE ORDER IN WORK FORCE ADMINISTRATION-CIRCUIT (WFA-C)	5	1.000				5.00	$43.81	$3.65
Subtotal - SERVICE DELIVERY IMPLEMENTOR						**15.00**		**$10.95**
Total For Service:						**225.60**		**$159.40**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.10.1 DS1 LOCAL MESSAGE TRUNK PORT (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
10757	**Direct Cost**				$159.40
10758					
10759					
10760					
10761					
10762	***Marketing & Business Fees***				
10763	Product Management Expense	**D10763*E10757**		0.019957	$3.18
10764	Sales Expense	**D10764*E10757**		0.011877	$1.89
10765	Product Advertising Expense	**D10765*E10757**		0.000000	$0.00
10766	Business Fees (Other Operating Taxes)	**D10766*Sum(E10757:E10765)**		0.001483	$0.24
10767	***Total Marketing & Business Fees***	**Sum(E10757:E10766)**			$5.32
10768					
10769	***Sub-Total Direct Cost & Marketing***	**E10757+E10767**			$164.72
10770					
10771	***Other Direct Expenses***				
10772	Network Operations	**D10772*E10769**		0.034832	$5.74
10773	Network Support Assets	**D10773*E10769**		0.014703	$2.42
10774	General Support Assets	**D10774*E10769**		0.088742	$14.62
10775	General Purpose Computers	**D10775*E10769**		0.043342	$7.14
10776	Uncollectible	**D10776*E10769**		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 Costs***	**Sum(E10786:E10792)**			$14.94
10794					
10795	***TELRIC + Common Costs***	**E10783+E10793**			$224.45

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/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	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 - INTERCONNECTION SERVICE CENTEF						**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.								
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	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						**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**
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP								
.50 probability is % orders establishing a new trunk group.								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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-D	5	0.500				2.50	$41.45	$1.73
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUP						**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			0.08	$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**

NONRECURRING COST DETAIL SUMMARY

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.10.2 TRUNK GROUP, FIRST (con't)								
Total For Service:						**226.17**		**$155.72**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.10.2 TRUNK GROUP, FIRST (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
10937	**Direct Cost**				$155.72
10938					
10939					
10940					
10941					
10942	***Marketing & Business Fees***				
10943	Product Management Expense	D10943*E10937		0.019957	$3.11
10944	Sales Expense	D10944*E10937		0.011877	$1.85
10945	Product Advertising Expense	D10945*E10937		0.000000	$0.00
10946	Business Fees (Other Operating Taxes)	D10946*Sum(E10937:E10945)		0.001483	$0.24
10947	***Total Marketing & Business Fees***	Sum(E10937:E10946)			$5.20
10948					
10949	***Sub-Total Direct Cost & Marketing***	E10937+E10947			$160.92
10950					
10951	***Other Direct Expenses***				
10952	Network Operations	D10952*E10949		0.034832	$5.61
10953	Network Support Assets	D10953*E10949		0.014703	$2.37
10954	General Support Assets	D10954*E10949		0.088742	$14.28
10955	General Purpose Computers	D10955*E10949		0.043342	$6.97
10956	Uncollectible	D10956*E10949		0.003786	$0.61
10957	Accounting & Finance Expense	D10957*E10949		0.007346	$1.18
10958	Human Resources Expense	D10958*E10949		0.008294	$1.33
10959	Information Management Expense	D10959*E10949		0.070887	$11.41
10960	Intangibles	D10960*E10949		0.000000	$0.00
10961	***Total Other Direct Expenses***	Sum(E10952:E10960)			$43.76
10962					
10963	***TELRIC***	E10952+E10961			$204.68
10964					
10965	***Common***				
10966	Executive Expense	D10966*E10963		0.011267	$2.31
10967	Planning Expense	D10967*E10963		0.000525	$0.11
10968	External Relations Expense	D10968*E10963		0.037846	$7.75
10969	Legal Expense	D10969*E10963		0.004717	$0.97
10970	Other Procurement Expense	D10970*E10963		0.001860	$0.38
10971	Research & Development Expense	D10971*E10963		0.000006	$0.00
10972	Other General and Admin Expense	D10972*E10963		0.015064	$3.08
10973	***Common Costs***	Sum(E10966:E10972)			$14.59
10974					
10975	***TELRIC + Common Costs***	E10963+E10973			$219.27

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK								
ADD								
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WORK FORCE ADMINISTRATION (WFA) FOR CIRCUIT	5	1.000				5.00	$43.81	$3.65
COMPLETE PERFORMANCE TESTING	6	1.000				6.00	$43.81	$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								
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	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						**1.39**		**$1.03**
DISCONNECT								
-SERVICE DELIVERY IMPLEMENTOR								
SCREEN WORK FORCE ADMINISTRATION-CONTROL MODULE (WFA-C) FOR ORDER ACC	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						**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
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 (manual orders)	10	0.050	0.042			0.02	$44.31	$0.02
Build and verify circuit design (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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK (con't,								
Subtotal - DESIGN						**0.78**		**$0.58**
Total For Service:						**24.17**		**$17.67**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.10.3 MESSAGE TRUNK GROUP - EACH ADDITIONAL TRUNK (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
11072	**Direct Cost**				$17.67
11073					
11074					
11075					
11076					
11077	***Marketing & Business Fees***				
11078	Product Management Expense	D11078*E11072		0.019957	$0.35
11079	Sales Expense	D11079*E11072		0.011877	$0.21
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	***Total Marketing & Business Fees***	Sum(E11072:E11081)			$0.59
11083					
11084	***Sub-Total Direct Cost & Marketing***	E11072+E11082			$18.26
11085					
11086	***Other Direct Expenses***				
11087	Network Operations	D11087*E11084		0.034832	$0.64
11088	Network Support Assets	D11088*E11084		0.014703	$0.27
11089	General Support Assets	D11089*E11084		0.088742	$1.62
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
11096	***Total Other Direct Expenses***	Sum(E11087:E11095)			$4.96
11097					
11098	***TELRIC***	E11087+E11096			$23.22
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
11109					
11110	***TELRIC + Common Costs***	E11098+E11108			$24.88

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

9.11.1 ANALOG LINESIDE PORT FIRST

ADD

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
-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 availabilit	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				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
Determine if the end user has Qwest directory advertising	1	1.000				1.00	$40.03	$0.67
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 accoun	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 provisionin	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisionin	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&pai	5	0.050				0.25	$40.03	$0.17
Subtotal - INTERCONNECT SERVICE CENTER (ISC)						37.35		$24.92
-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
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				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 RESOURCE ADMINISTRATION CENTER (CORAC)

.15 probability is % orders that require manual dispatch.

.03 probability is % orders when workitem performed in unmanned office.

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.11.1 ANALOG LINESIDE PORT FIRST (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 Distribution 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	1	1.000				1.00	$43.81	$0.73
Complete work request with CCT-I (Customer Communication Technician-Implementor	3	1.000				3.00	$43.81	$2.19
Post work request complete in WFA-DI (Work Force Administration - Dispatch In Module)	2	1.000				2.00	$43.81	$1.46
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.11.1 ANALOG LINESIDE PORT FIRST (con't)								
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								
2 probability is for cross-connects removed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
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**		**$8.47**
-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:						**165.51**		**$116.57**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.11.1 ANALOG LINESIDE PORT FIRST (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
11252	**Direct Cost**				$116.57
11253					
11254					
11255					
11256					
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	$0.18
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(E11267: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 Expense	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					
11290	***TELRIC + Common Costs***	E11278+E11288			$164.13

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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						**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
Subtotal - LOOP PROVISIONING CENTER (LPC)						**4.50**		**$2.83**
-DESIGN								
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**
-CENTRAL OFFICE FRAMES								
2 probability is for cross-connects placed at Main Distributing Frame and Interconnect Distribution Frame.								
Analyze order	5	1.000				5.00	$43.81	$3.65
Complete cross connect	4	2.000				8.00	$43.81	$5.84

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL (con't)								
Dial Tone and AIN test	1	1.000				1.00	$43.81	$0.73
Complete work request with CCT-I (Customer Communication Technician-Implementor)	1	1.000				1.00	$43.81	$0.73
Post work request complete in 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								
Screen WFA (Work Force Administration) for circuit	5	1.000				5.00	$43.81	$3.65
Verify LNO completion	1	1.000				1.00	$43.81	$0.73
Test Circuit	15	1.000				15.00	$43.81	$10.95
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						**32.00**		**$23.37**
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
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 - SERVICE DELIVERY COORDINATOR						**11.00**		**$7.34**
-DESIGN								
Probabilities are % manual work required. Reciprocal is mechanization rate.								
Order handling/screening	1	0.100				0.10	$44.31	$0.07
GOC (Generic Order Control) order log	2	0.100				0.20	$44.31	$0.15
Enter WA (Work Authorization) mask	1	0.100				0.10	$44.31	$0.07
Disconnect circuit	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						**0.65**		**$0.48**
-CENTRAL 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	$3.65
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**		**$8.47**
-SERVICE DELIVERY IMPLEMENTOR								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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						11.00		$8.03
Total For Service:						101.94		$72.47

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.11.1 ANALOG LINESIDE PORT EACH ADDITIONAL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
11432	Direct Cost				$72.47
11433					
11434					
11435					
11436					
11437	***Marketing & Business Fees***				
11438	Product Management Expense	D11438*E11432		0.019957	$1.45
11439	Sales Expense	D11439*E11432		0.011877	$0.86
11440	Product Advertising Expense	D11440*E11432		0.000000	$0.00
11441	Business Fees (Other Operating Taxes)	D11441*Sum(E11432:E11440)		0.001483	$0.11
11442	***Total Marketing & Business Fees***	Sum(E11432:E11441)			$2.42
11443					
11444	***Sub-Total Direct Cost & Marketing***	E11432+E11442			$74.88
11445					
11446	***Other Direct Expenses***				
11447	Network Operations	D11447*E11444		0.034832	$2.61
11448	Network Support Assets	D11448*E11444		0.014703	$1.10
11449	General Support Assets	D11449*E11444		0.088742	$6.65
11450	General Purpose Computers	D11450*E11444		0.043342	$3.25
11451	Uncollectible	D11451*E11444		0.003786	$0.28
11452	Accounting & Finance Expense	D11452*E11444		0.007346	$0.55
11453	Human Resources Expense	D11453*E11444		0.008294	$0.62
11454	Information Management Expense	D11454*E11444		0.070887	$5.31
11455	Intangibles	D11455*E11444		0.000000	$0.00
11456	***Total Other Direct Expenses***	Sum(E11447:E11455)			$20.36
11457					
11458	***TELRIC***	E11447+E11456			$95.25
11459					
11460	***Common***				
11461	Executive Expense	D11461*E11458		0.011267	$1.07
11462	Planning Expense	D11462*E11458		0.000525	$0.05
11463	External Relations Expense	D11463*E11458		0.037846	$3.60
11464	Legal Expense	D11464*E11458		0.004717	$0.45
11465	Other Procurement Expense	D11465*E11458		0.001860	$0.18
11466	Research & Development Expense	D11466*E11458		0.000006	$0.00
11467	Other General and Admin Expense	D11467*E11458		0.015064	$1.43
11468	***Common Costs***	Sum(E11461:E11467)			$6.79
11469					
11470	***TELRIC + Common Costs***	E11458+E11468			$102.04

NONRECURRING COST DETAIL SUMMARY

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 #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

ACCOUNT CODES, PER SYSTEM (con't)

11522	**Direct Cost**				$57.72
11523					
11524		**Cost**		**Cost**	
11525		**Calculation**		**Factor**	**Cost**
11526		**B**	**C**	**D**	**E**
11527	***Marketing & Business Fees***				
11528	Product Management Expense	D11528*E11522		0.019957	$1.15
11529	Sales Expense	D11529*E11522		0.011877	$0.69
11530	Product Advertising Expense	D11530*E11522		0.000000	$0.00
11531	Business Fees (Other Operating Taxes)	D11531*Sum(E11522:E11530)		0.001483	$0.09
11532	***Total Marketing & Business Fees***	Sum(E11522:E11531)			$1.93
11533					
11534	***Sub-Total Direct Cost & Marketing***	E11522+E11532			$59.65
11535					
11536	***Other Direct Expenses***				
11537	Network Operations	D11537*E11534		0.034832	$2.08
11538	Network Support Assets	D11538*E11534		0.014703	$0.88
11539	General Support Assets	D11539*E11534		0.088742	$5.29
11540	General Purpose Computers	D11540*E11534		0.043342	$2.59
11541	Uncollectible	D11541*E11534		0.003786	$0.23
11542	Accounting & Finance Expense	D11542*E11534		0.007346	$0.44
11543	Human Resources Expense	D11543*E11534		0.008294	$0.49
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					
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	$2.87
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
11559					
11560	***TELRIC + Common Costs***	E11548+E11558			$81.28

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	15	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						0.15		$0.10
Total For Service:						1.15		$0.83

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ATTENDANT ACCESS LINE - PER STATION LINE (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
11612	**Direct Cost**				$0.83
11613					
11614					
11615					
11616					
11617	***Marketing & Business Fees***				
11618	Product Management Expense	D11618*E11612		0.019957	$0.02
11619	Sales Expense	D11619*E11612		0.011877	$0.01
11620	Product Advertising Expense	D11620*E11612		0.000000	$0.00
11621	Business Fees (Other Operating Taxes)	D11621*Sum(E11612:E11620)		0.001483	$0.00
11622	***Total Marketing & Business Fees***	Sum(E11612:E11621)			$0.03
11623					
11624	***Sub-Total Direct Cost & Marketing***	E11612+E11622			$0.86
11625					
11626	***Other Direct Expenses***				
11627	Network Operations	D11627*E11624		0.034832	$0.03
11628	Network Support Assets	D11628*E11624		0.014703	$0.01
11629	General Support Assets	D11629*E11624		0.088742	$0.08
11630	General Purpose Computers	D11630*E11624		0.043342	$0.04
11631	Uncollectible	D11631*E11624		0.003786	$0.00
11632	Accounting & Finance Expense	D11632*E11624		0.007346	$0.01
11633	Human Resources Expense	D11633*E11624		0.008294	$0.01
11634	Information Management Expense	D11634*E11624		0.070687	$0.06
11635	Intangibles	D11635*E11624		0.000000	$0.00
11636	***Total Other Direct Expenses***	Sum(E11627:E11635)			$0.23
11637					
11638	***TELRIC***	E11627+E11636			$1.10
11639					
11640	***Common***				
11641	Executive Expense	D11641*E11638		0.011267	$0.01
11642	Planning Expense	D11642*E11638		0.000525	$0.00
11643	External Relations Expense	D11643*E11638		0.037846	$0.04
11644	Legal Expense	D11644*E11638		0.004717	$0.01
11645	Other Procurement Expense	D11645*E11638		0.001860	$0.00
11646	Research & Development Expense	D11646*E11638		0.000006	$0.00
11647	Other General and Admin Expense	D11647*E11638		0.015064	$0.02
11648	***Common Costs***	Sum(E11641:E11647)			$0.08
11649					
11650	***TELRIC + Common Costs***	E11638+E11648			$1.17

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
AUDIBLE MESSAGE WAITING								
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**
Total For Service:						**1.00**		**$0.73**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

AUDIBLE MESSAGE WAITING (con't)

11702	**Direct Cost**				$0.73
11703					
11704		**Cost**		**Cost**	
11705		**Calculation**		**Factor**	**Cost**
11706		**B**	**C**	**D**	**E**
11707	***Marketing & Business Fees***				
11708	Product Management Expense	**D11708*E11702**		0.019957	$0.01
11709	Sales Expense	**D11709*E11702**		0.011877	$0.01
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 Expense	**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***	**Sum(E11731:E11737)**			$0.07
11739					
11740	***TELRIC + Common Costs***	**E11728+E11738**			$1.03

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**B**	**C**	**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	**D11822*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	**D11827*E11818**		0.015064	$3.42
11828	***Common Costs***	**Sum(E11821:E11827)**			$16.18
11829					
11830	***TELRIC + Common Costs***	**E11818+E11828**			$243.08

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

AUTOMATIC LINE, per station line (con't)

11882	**Direct Cost**				$0.25
11883					
11884		Cost		Cost	
11885		Calculation		Factor	Cost
11886		B	C	D	E
11887	***Marketing & Business Fees***				
11888	Product Management Expense	D11888*E11882		0.019957	$0.00
11889	Sales Expense	D11889*E11882		0.011877	$0.00
11890	Product Advertising Expense	D11890*E11882		0.000000	$0.00
11891	Business Fees (Other Operating Taxes)	D11891*Sum(E11882:E11890)		0.001483	$0.00
11892	***Total Marketing & Business Fees***	Sum(E11882:E11891)			$0.01
11893					
11894	***Sub-Total Direct Cost & Marketing***	E11882+E11892			$0.26
11895					
11896	***Other Direct Expenses***				
11897	Network Operations	D11897*E11894		0.034832	$0.01
11898	Network Support Assets	D11898*E11894		0.014703	$0.00
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		0.000000	$0.00
11906	***Total Other Direct Expenses***	Sum(E11897:E11905)			$0.07
11907					
11908	***TELRIC***	E11897+E11906			$0.33
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
11919					
11920	***TELRIC + Common Costs***	E11908+E11918			$0.35

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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:						**2,192.60**		**$1,514.72**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)

ARS - COMMON EQUIPMENT, per system (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
11972	**Direct Cost**				$1,514.72
11973					
11974					
11975					
11976					
11977	***Marketing & Business Fees***				
11978	Product Management Expense	D11978*E11972		0.019957	$30.23
11979	Sales Expense	D11979*E11972		0.011877	$17.99
11980	Product Advertising Expense	D11980*E11972		0.000000	$0.00
11981	Business Fees (Other Operating Taxes)	D11981*Sum(E11972:E11980)		0.001483	$2.32
11982	***Total Marketing & Business Fees***	Sum(E11972:E11981)			$50.54
11983					
11984	***Sub-Total Direct Cost & Marketing***	E11972+E11982			$1,565.26
11985					
11986	***Other Direct Expenses***				
11987	Network Operations	D11987*E11984		0.034832	$54.52
11988	Network Support Assets	D11988*E11984		0.014703	$23.01
11989	General Support Assets	D11989*E11984		0.088742	$138.90
11990	General Purpose Computers	D11990*E11984		0.043342	$67.84
11991	Uncollectible	D11991*E11984		0.003786	$5.93
11992	Accounting & Finance Expense	D11992*E11984		0.007346	$11.50
11993	Human Resources Expense	D11993*E11984		0.008294	$12.98
11994	Information Management Expense	D11994*E11984		0.070887	$110.96
11995	Intangibles	D11995*E11984		0.000000	$0.00
11996	***Total Other Direct Expenses***	Sum(E11987:E11995)			$425.64
11997					
11998	***TELRIC***	E11987+E11996			$1,990.90
11999					
12000	***Common***				
12001	Executive Expense	D12001*E11998		0.011267	$22.43
12002	Planning Expense	D12002*E11998		0.000525	$1.05
12003	External Relations Expense	D12003*E11998		0.037846	$75.35
12004	Legal Expense	D12004*E11998		0.004717	$9.39
12005	Other Procurement Expense	D12005*E11998		0.001860	$3.70
12006	Research & Development Expense	D12006*E11998		0.000006	$0.01
12007	Other General and Admin Expense	D12007*E11998		0.015064	$29.99
12008	***Common Costs***	Sum(E12001:E12007)			$141.92
12009					
12010	***TELRIC + Common Costs***	E11998+E12008			$2,132.83

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CALL DROP								
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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)

CALL DROP (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
12062	**Direct Cost**				$0.25
12063					
12064					
12065					
12066					
12067	***Marketing & Business Fees***				
12068	Product Management Expense	D12068*E12062		0.019957	$0.00
12069	Sales Expense	D12069*E12062		0.011877	$0.00
12070	Product Advertising Expense	D12070*E12062		0.000000	$0.00
12071	Business Fees (Other Operating Taxes)	D12071*Sum(E12062:E12070)		0.001483	$0.00
12072	***Total Marketing & Business Fees***	Sum(E12062:E12071)			$0.01
12073					
12074	***Sub-Total Direct Cost & Marketing***	E12062+E12072			$0.26
12075					
12076	***Other Direct Expenses***				
12077	Network Operations	D12077*E12074		0.034832	$0.01
12078	Network Support Assets	D12078*E12074		0.014703	$0.00
12079	General Support Assets	D12079*E12074		0.088742	$0.02
12080	General Purpose Computers	D12080*E12074		0.043342	$0.01
12081	Uncollectible	D12081*E12074		0.003786	$0.00
12082	Accounting & Finance Expense	D12082*E12074		0.007346	$0.00
12083	Human Resources Expense	D12083*E12074		0.008294	$0.00
12084	Information Management Expense	D12084*E12074		0.070887	$0.02
12085	Intangibles	D12085*E12074		0.000000	$0.00
12086	***Total Other Direct Expenses***	Sum(E12077:E12085)			$0.07
12087					
12088	***TELRIC***	E12077+E12086			$0.33
12089					
12090	***Common***				
12091	Executive Expense	D12091*E12088		0.011267	$0.00
12092	Planning Expense	D12092*E12088		0.000525	$0.00
12093	External Relations Expense	D12093*E12088		0.037846	$0.01
12094	Legal Expense	D12094*E12088		0.004717	$0.00
12095	Other Procurement Expense	D12095*E12088		0.001860	$0.00
12096	Research & Development Expense	D12096*E12088		0.000006	$0.00
12097	Other General and Admin Expense	D12097*E12088		0.015064	$0.00
12098	***Common Costs***	Sum(E12091:E12097)			$0.02
12099					
12100	***TELRIC + Common Costs***	E12088+E12098			$0.35

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CALL EXCLUSION - AUTOMATIC								
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**
Total For Service:						**1.00**		**$0.73**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CALL EXCLUSION - AUTOMATIC (con't)

12152	**Direct Cost**				$0.73
12153					
12154		**Cost**		**Cost**	
12155		**Calculation**		**Factor**	**Cost**
12156		**B**	**C**	**D**	**E**
12157	***Marketing & Business Fees***				
12158	Product Management Expense	**D12158*E12152**		0.019957	$0.01
12159	Sales Expense	**D12159*E12152**		0.011877	$0.01
12160	Product Advertising Expense	**D12160*E12152**		0.000000	$0.00
12161	Business Fees (Other Operating Taxes)	**D12161*Sum(E12152:E12160)**		0.001483	$0.00
12162	***Total Marketing & Business Fees***	**Sum(E12152:E12161)**			$0.02
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	$0.01
12169	General Support Assets	**D12169*E12164**		0.088742	$0.07
12170	General Purpose Computers	**D12170*E12164**		0.043342	$0.03
12171	Uncollectible	**D12171*E12164**		0.003786	$0.00
12172	Accounting & Finance Expense	**D12172*E12164**		0.007346	$0.01
12173	Human Resources Expense	**D12173*E12164**		0.008294	$0.01
12174	Information Management Expense	**D12174*E12164**		0.070887	$0.05
12175	Intangibles	**D12175*E12164**		0.000000	$0.00
12176	***Total Other Direct Expenses***	**Sum(E12167:E12175)**			$0.21
12177					
12178	***TELRIC***	**E12167+E12176**			$0.96
12179					
12180	***Common***				
12181	Executive Expense	**D12181*E12178**		0.011267	$0.01
12182	Planning Expense	**D12182*E12178**		0.000525	$0.00
12183	External Relations Expense	**D12183*E12178**		0.037846	$0.04
12184	Legal Expense	**D12184*E12178**		0.004717	$0.00
12185	Other Procurement Expense	**D12185*E12178**		0.001860	$0.00
12186	Research & Development Expense	**D12186*E12178**		0.000006	$0.00
12187	Other General and Admin Expense	**D12187*E12178**		0.015064	$0.01
12188	***Common Costs***	**Sum(E12181:E12187)**			$0.07
12189					
12190	***TELRIC + Common Costs***	**E12178+E12188**			$1.03

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
Total For Service:						**0.66**		**$0.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CALL EXCLUSION - MANUAL (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
12242	**Direct Cost**				$0.48
12243					
12244					
12245					
12246					
12247	***Marketing & Business Fees***				
12248	Product Management Expense	D12248*E12242		0.019957	$0.01
12249	Sales Expense	D12249*E12242		0.011877	$0.01
12250	Product Advertising Expense	D12250*E12242		0.000000	$0.00
12251	Business Fees (Other Operating Taxes)	D12251*Sum(E12242:E12250)		0.001483	$0.00
12252	***Total Marketing & Business Fees***	Sum(E12242:E12251)			$0.02
12253					
12254	***Sub-Total Direct Cost & Marketing***	E12242+E12252			$0.50
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
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
12266	***Total Other Direct Expenses***	Sum(E12257:E12265)			$0.14
12267					
12268	***TELRIC***	E12257+E12266			$0.63
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					
12280	***TELRIC + Common Costs***	E12268+E12278			$0.68

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CFBL INCOMING ONLY								
ADD								
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CFBL INCOMING ONLY (con't)

		Cost Calculation B	Cost Calculation C	Cost Factor D	Cost E
12332	***Direct Cost***				$27.36
12333					
12334					
12335					
12336					
12337	***Marketing & Business Fees***				
12338	Product Management Expense	**D12338*E12332**		0.019957	$0.55
12339	Sales Expense	**D12339*E12332**		0.011877	$0.32
12340	Product Advertising Expense	**D12340*E12332**		0.000000	$0.00
12341	Business Fees (Other Operating Taxes)	**D12341*Sum(E12332:E12340)**		0.001483	$0.04
12342	***Total Marketing & Business Fees***	**Sum(E12332:E12341)**			$0.91
12343					
12344	***Sub-Total Direct Cost & Marketing***	**E12332+E12342**			$28.27
12345					
12346	***Other Direct Expenses***				
12347	Network Operations	**D12347*E12344**		0.034832	$0.98
12348	Network Support Assets	**D12348*E12344**		0.014703	$0.42
12349	General Support Assets	**D12349*E12344**		0.088742	$2.51
12350	General Purpose Computers	**D12350*E12344**		0.043342	$1.23
12351	Uncollectible	**D12351*E12344**		0.003786	$0.11
12352	Accounting & Finance Expense	**D12352*E12344**		0.007346	$0.21
12353	Human Resources Expense	**D12353*E12344**		0.008294	$0.23
12354	Information Management Expense	**D12354*E12344**		0.070887	$2.00
12355	Intangibles	**D12355*E12344**		0.000000	$0.00
12356	***Total Other Direct Expenses***	**Sum(E12347:E12355)**			$7.69
12357					
12358	***TELRIC***	**E12347+E12356**			$35.96
12359					
12360	***Common***				
12361	Executive Expense	**D12361*E12358**		0.011267	$0.41
12362	Planning Expense	**D12362*E12358**		0.000525	$0.02
12363	External Relations Expense	**D12363*E12358**		0.037846	$1.36
12364	Legal Expense	**D12364*E12358**		0.004717	$0.17
12365	Other Procurement Expense	**D12365*E12358**		0.001860	$0.07
12366	Research & Development Expense	**D12366*E12358**		0.000006	$0.00
12367	Other General and Admin Expense	**D12367*E12358**		0.015064	$0.54
12368	***Common Costs***	**Sum(E12361:E12367)**			$2.56
12369					
12370	***TELRIC + Common Costs***	**E12358+E12368**			$38.52

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CFDA INCOMING ONLY								
ADD								
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CFDA INCOMING ONLY (con't)

12422	**Direct Cost**				$27.36
12423					
12424		**Cost**		**Cost**	
12425		**Calculation**		**Factor**	**Cost**
12426		**B**	**C**	**D**	**E**
12427	***Marketing & Business Fees***				
12428	Product Management Expense	**D12428*E12422**		0.019957	$0.55
12429	Sales Expense	**D12429*E12422**		0.011877	$0.32
12430	Product Advertising Expense	**D12430*E12422**		0.000000	$0.00
12431	Business Fees (Other Operating Taxes)	**D12431*Sum(E12422:E12430)**		0.001483	$0.04
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**		0.034832	$0.98
12438	Network Support Assets	**D12438*E12434**		0.014703	$0.42
12439	General Support Assets	**D12439*E12434**		0.088742	$2.51
12440	General Purpose Computers	**D12440*E12434**		0.043342	$1.23
12441	Uncollectible	**D12441*E12434**		0.003786	$0.11
12442	Accounting & Finance Expense	**D12442*E12434**		0.007346	$0.21
12443	Human Resources Expense	**D12443*E12434**		0.008294	$0.23
12444	Information Management Expense	**D12444*E12434**		0.070887	$2.00
12445	Intangibles	**D12445*E12434**		0.000000	$0.00
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**		0.011267	$0.41
12452	Planning Expense	**D12452*E12448**		0.000525	$0.02
12453	External Relations Expense	**D12453*E12448**		0.037846	$1.36
12454	Legal Expense	**D12454*E12448**		0.004717	$0.17
12455	Other Procurement Expense	**D12455*E12448**		0.001860	$0.07
12456	Research & Development Expense	**D12456*E12448**		0.000006	$0.00
12457	Other General and Admin Expense	**D12457*E12448**		0.015064	$0.54
12458	***Common Costs***	**Sum(E12451:E12457)**			$2.56
12459					
12460	***TELRIC + Common Costs***	**E12448+E12458**			$38.52

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CF DON'T ANSWER/CF BUSY CUSTOMER PROGRAMMABLE - PER LINE								
ADD								
-RCMAC								
1st probability % 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**
Total For Service:						**1.00**		**$0.73**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**		**Factor**	**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	$0.00
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			$1.03

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
CALL WAITING INDICATION, per unique timing state, per timing state								
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**
Total For Service:						**1.00**		**$0.73**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CALL WAITING INDICATION, per unique timing state, per timing state (con't)

12602	**Direct Cost**				$0.73
12603					
12604		**Cost**		**Cost**	
12605		**Calculation**		**Factor**	**Cost**
12606		**B**	**C**	**D**	**E**
12607	***Marketing & Business Fees***				
12608	Product Management Expense	D12608*E12602		0.019957	$0.01
12609	Sales Expense	D12609*E12602		0.011877	$0.01
12610	Product Advertising Expense	D12610*E12602		0.000000	$0.00
12611	Business Fees (Other Operating Taxes)	D12611*Sum(E12602:E12610)		0.001483	$0.00
12612	***Total Marketing & Business Fees***	Sum(E12602:E12611)			$0.02
12613					
12614	***Sub-Total Direct Cost & Marketing***	E12602+E12612			$0.75
12615					
12616	***Other Direct Expenses***				
12617	Network Operations	D12617*E12614		0.034832	$0.03
12618	Network Support Assets	D12618*E12614		0.014703	$0.01
12619	General Support Assets	D12619*E12614		0.088742	$0.07
12620	General Purpose Computers	D12620*E12614		0.043342	$0.03
12621	Uncollectible	D12621*E12614		0.003786	$0.00
12622	Accounting & Finance Expense	D12622*E12614		0.007346	$0.01
12623	Human Resources Expense	D12623*E12614		0.008294	$0.01
12624	Information Management Expense	D12624*E12614		0.070687	$0.05
12625	Intangibles	D12625*E12614		0.000000	$0.00
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	$0.01
12632	Planning Expense	D12632*E12628		0.000525	$0.00
12633	External Relations Expense	D12633*E12628		0.037846	$0.04
12634	Legal Expense	D12634*E12628		0.004717	$0.00
12635	Other Procurement Expense	D12635*E12628		0.001860	$0.00
12636	Research & Development Expense	D12636*E12628		0.000006	$0.00
12637	Other General and Admin Expense	D12637*E12628		0.015064	$0.01
12638	***Common Costs***	Sum(E12631:E12637)			$0.07
12639					
12640	***TELRIC + Common Costs***	E12628+E12638			$1.03

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

CENTREX COMMON EQUIPMENT

ADD

-NROC - COMPLEX TRANSLATIONS

1st probability % by switch type

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
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
CALL PARK - 5E	10	0.660				6.60	$41.45	$4.56
CALL PARK - DMS	20	0.340				6.80	$41.45	$4.70
CALL PARK - DMS	25	0.340				8.50	$41.45	$5.87
CALL PICKUP - 5E	10	0.660				6.60	$41.45	$4.56
CALL PICKUP - 5E	10	0.660				6.60	$41.45	$4.56
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.660				6.60	$41.45	$4.56
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - 5E	10	0.660				6.60	$41.45	$4.56
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	25	0.340				8.50	$41.45	$5.87
CALL WAITING - CANCEL CALL WAITING - ORIGINATING, TERMINATING - DMS	30	0.340				10.20	$41.45	$7.05
CONFERENCE CALLING - 3 WAY - 5E	7	0.660				4.62	$41.45	$3.19
CONFERENCE CALLING - 3 WAY - 5E	7	0.660				4.62	$41.45	$3.19
CONFERENCE CALLING - 6 WAY - 5E	25	0.660				16.50	$41.45	$11.40
CONFERENCE CALLING - 6 WAY - 5E	20	0.660				13.20	$41.45	$9.12
CONFERENCE CALLING - 6 WAY - DMS	20	0.340				6.80	$41.45	$4.70
CONFERENCE CALLING - 6 WAY - DMS	20	0.340				6.80	$41.45	$4.70

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CENTREX COMMON EQUIPMENT (con't)								
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:						**1,259.68**		**$870.23**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CENTREX COMMON EQUIPMENT (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
12737	**Direct Cost**				$870.23
12738					
12739					
12740					
12741					
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	$1.33
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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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								
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	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	40	0.005	0.340			0.07	$41.45	$0.05
Subtotal - NROC						**0.26**		**$0.18**
Total For Service:						**1.26**		**$0.91**

NONRECURRING COST DETAIL SUMMARY

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State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - CONTINUOUS REDIAL, PER NUIMBER (con't,

12827	**Direct Cost**				$0.91
12828					
12829		Cost		Cost	
12830		Calculation		Factor	Cost
12831		B	C	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					
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

NONRECURRING COST DETAIL SUMMARY

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CLASS - LAST CALL RETURN, PER NUMBER								
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								
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	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	45	0.005	0.340			0.08	$41.45	$0.05
Subtotal - NROC						0.27		$0.19
Total For Service:						1.27		$0.92

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - LAST CALL RETURN, PER NUMBER (con't)

12917	**Direct Cost**				$0.92
12918					
12919		**Cost**		**Cost**	
12920		**Calculation**		**Factor**	**Cost**
12921		**B**	**C**	**D**	**E**
12922	***Marketing & Business Fees***				
12923	Product Management Expense	**D12923*E12917**		0.019957	$0.02
12924	Sales Expense	**D12924*E12917**		0.011877	$0.01
12925	Product Advertising Expense	**D12925*E12917**		0.000000	$0.00
12926	Business Fees (Other Operating Taxes)	**D12926*Sum(E12917:E12925)**		0.001483	$0.00
12927	***Total Marketing & Business Fees***	**Sum(E12917:E12926)**			$0.03
12928					
12929	***Sub-Total Direct Cost & Marketing***	**E12917+E12927**			$0.95
12930					
12931	***Other Direct Expenses***				
12932	Network Operations	**D12932*E12929**		0.034832	$0.03
12933	Network Support Assets	**D12933*E12929**		0.014703	$0.01
12934	General Support Assets	**D12934*E12929**		0.088742	$0.08
12935	General Purpose Computers	**D12935*E12929**		0.043342	$0.04
12936	Uncollectible	**D12936*E12929**		0.003786	$0.00
12937	Accounting & Finance Expense	**D12937*E12929**		0.007346	$0.01
12938	Human Resources Expense	**D12938*E12929**		0.008294	$0.01
12939	Information Management Expense	**D12939*E12929**		0.070887	$0.07
12940	Intangibles	**D12940*E12929**		0.000000	$0.00
12941	***Total Other Direct Expenses***	**Sum(E12932:E12940)**			$0.26
12942					
12943	***TELRIC***	**E12932+E12941**			$1.20
12944					
12945	***Common***				
12946	Executive Expense	**D12946*E12943**		0.011267	$0.01
12947	Planning Expense	**D12947*E12943**		0.000525	$0.00
12948	External Relations Expense	**D12948*E12943**		0.037846	$0.05
12949	Legal Expense	**D12949*E12943**		0.004717	$0.01
12950	Other Procurement Expense	**D12950*E12943**		0.001860	$0.00
12951	Research & Development Expense	**D12951*E12943**		0.000006	$0.00
12952	Other General and Admin Expense	**D12952*E12943**		0.015064	$0.02
12953	***Common Costs***	**Sum(E12946:E12952)**			$0.09
12954					
12955	***TELRIC + Common Costs***	**E12943+E12953**			$1.29

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CLASS - PRIORITY CALLING, PER NUMBER								
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								
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	20	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.20**		**$0.14**
Total For Service:						**1.20**		**$0.87**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - PRIORITY CALLING, PER NUMBER (con't)

13007	**Direct Cost**				$0.87
13008					
13009		**Cost**		**Cost**	
13010		**Calculation**		**Factor**	**Cost**
13011		**B**	**C**	**D**	**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 Expense	**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***				
13036	Executive Expense	**D13036*E13033**		0.011267	$0.01
13037	Planning Expense	**D13037*E13033**		0.000525	$0.00
13038	External Relations Expense	**D13038*E13033**		0.037846	$0.04
13039	Legal Expense	**D13039*E13033**		0.004717	$0.01
13040	Other Procurement Expense	**D13040*E13033**		0.001860	$0.00
13041	Research & Development Expense	**D13041*E13033**		0.000006	$0.00
13042	Other General and Admin Expense	**D13042*E13033**		0.015064	$0.02
13043	***Common Costs***	**Sum(E13036:E13042)**			$0.08
13044					
13045	***TELRIC + Common Costs***	**E13033+E13043**			$1.22

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CLASS - SELECTIVE CALL FORWARDING, PER NUMBER								
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								
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	35	0.005	0.340			0.06	$41.45	$0.04
Maintenance - sw2	40	0.005	0.340			0.07	$41.45	$0.05
Subtotal - NROC						**0.26**		**$0.18**
Total For Service:						**1.26**		**$0.91**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - SELECTIVE CALL FORWARDING, PER NUMBER (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
13097	Direct Cost				$0.91
13098					
13099					
13100					
13101					
13102	***Marketing & Business Fees***				
13103	Product Management Expense	**D13103*E13097**		0.019957	$0.02
13104	Sales Expense	**D13104*E13097**		0.011877	$0.01
13105	Product Advertising Expense	**D13105*E13097**		0.000000	$0.00
13106	Business Fees (Other Operating Taxes)	**D13106*Sum(E13097:E13105)**		0.001483	$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**		0.034832	$0.03
13113	Network Support Assets	**D13113*E13109**		0.014703	$0.01
13114	General Support Assets	**D13114*E13109**		0.088742	$0.08
13115	General Purpose Computers	**D13115*E13109**		0.043342	$0.04
13116	Uncollectible	**D13116*E13109**		0.003786	$0.00
13117	Accounting & Finance Expense	**D13117*E13109**		0.007346	$0.01
13118	Human Resources Expense	**D13118*E13109**		0.008294	$0.01
13119	Information Management Expense	**D13119*E13109**		0.070887	$0.07
13120	Intangibles	**D13120*E13109**		0.000000	$0.00
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**		0.011267	$0.01
13127	Planning Expense	**D13127*E13123**		0.000525	$0.00
13128	External Relations Expense	**D13128*E13123**		0.037846	$0.05
13129	Legal Expense	**D13129*E13123**		0.004717	$0.01
13130	Other Procurement Expense	**D13130*E13123**		0.001860	$0.00
13131	Research & Development Expense	**D13131*E13123**		0.000006	$0.00
13132	Other General and Admin Expense	**D13132*E13123**		0.015064	$0.02
13133	***Common Costs***	**Sum(E13126:E13132)**			$0.09
13134					
13135	***TELRIC + Common Costs***	**E13123+E13133**			$1.28

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
CLASS - SELECTIVE CALL REJECTION, PER NUMBER								
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								
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	20	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	20	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.20**		**$0.14**
Total For Service:						**1.20**		**$0.87**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CLASS - SELECTIVE CALL REJECTION, PER NUMBER (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
13187	**Direct Cost**				$0.87
13188					
13189					
13190					
13191					
13192	***Marketing & Business Fees***				
13193	Product Management Expense	D13193*E13187		0.019957	$0.02
13194	Sales Expense	D13194*E13187		0.011877	$0.01
13195	Product Advertising Expense	D13195*E13187		0.000000	$0.00
13196	Business Fees (Other Operating Taxes)	D13196*Sum(E13187:E13195)		0.001483	$0.00
13197	***Total Marketing & Business Fees***	Sum(E13187:E13196)			$0.03
13198					
13199	***Sub-Total Direct Cost & Marketing***	E13187+E13197			$0.90
13200					
13201	***Other Direct Expenses***				
13202	Network Operations	D13202*E13199		0.034832	$0.03
13203	Network Support Assets	D13203*E13199		0.014703	$0.01
13204	General Support Assets	D13204*E13199		0.088742	$0.08
13205	General Purpose Computers	D13205*E13199		0.043342	$0.04
13206	Uncollectible	D13206*E13199		0.003786	$0.00
13207	Accounting & Finance Expense	D13207*E13199		0.007346	$0.01
13208	Human Resources Expense	D13208*E13199		0.008294	$0.01
13209	Information Management Expense	D13209*E13199		0.070887	$0.06
13210	Intangibles	D13210*E13199		0.000000	$0.00
13211	***Total Other Direct Expenses***	Sum(E13202:E13210)			$0.24
13212					
13213	***TELRIC***	E13202+E13211			$1.14
13214					
13215	***Common***				
13216	Executive Expense	D13216*E13213		0.011267	$0.01
13217	Planning Expense	D13217*E13213		0.000525	$0.00
13218	External Relations Expense	D13218*E13213		0.037846	$0.04
13219	Legal Expense	D13219*E13213		0.004717	$0.01
13220	Other Procurement Expense	D13220*E13213		0.001860	$0.00
13221	Research & Development Expense	D13221*E13213		0.000006	$0.00
13222	Other General and Admin Expense	D13222*E13213		0.015064	$0.02
13223	***Common Costs***	Sum(E13216:E13222)			$0.08
13224					
13225	***TELRIC + Common Costs***	E13213+E13223			$1.22

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DIR STA SEL/BUSY LAMP FLD, per arrangement (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
13277	**Direct Cost**				$0.25
13278					
13279					
13280					
13281					
13282	***Marketing & Business 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
13287	***Total Marketing & Business Fees***	**Sum(E13277:E13286)**			$0.01
13288					
13289	***Sub-Total Direct Cost & Marketing***	**E13277+E13287**			$0.26
13290					
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	$0.01
13296	Uncollectible	**D13296*E13289**		0.003786	$0.00
13297	Accounting & Finance Expense	**D13297*E13289**		0.007346	$0.00
13298	Human Resources Expense	**D13298*E13289**		0.008294	$0.00
13299	Information Management Expense	**D13299*E13289**		0.070887	$0.02
13300	Intangibles	**D13300*E13289**		0.000000	$0.00
13301	***Total Other Direct Expenses***	**Sum(E13292:E13300)**			$0.07
13302					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$0.48
Translations - DMS	1	0.340				0.34	$43.81	$0.25
Subtotal - RCMAC						1.00		$0.73
-COMPLEX TRANSLATIONS								
1st probability is % by switch type								
Administration - 5E	10	0.660				6.60	$41.45	$4.56
Maintenance - 5E	10	0.660				6.60	$41.45	$4.56
Administration - DMS	10	0.340				3.40	$41.45	$2.35
Maintenance - DMS	10	0.340				3.40	$41.45	$2.35
Subtotal - COMPLEX TRANSLATIONS						20.00		$13.82
Total For Service:						21.00		$14.55

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DIRECTED CALL PICK UP BARGE-IN (con't)

13367	**Direct Cost**				$14.55
13368					
13369		Cost		Cost	
13370		Calculation		Factor	Cost
13371		B	C	D	E
13372	***Marketing & Business Fees***				
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					
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)			$1.36
13404					
13405	***TELRIC + Common Costs***	E13393+E13403			$20.48

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		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	10	0.660				6.60	$41.45	$4.56
Administration - SW2	10	0.340				3.40	$41.45	$2.35
Maintenance - SW2	10	0.340				3.40	$41.45	$2.35
Subtotal - NROC						**20.00**		**$13.82**
Total For Service:						**21.00**		**$14.55**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DIRECTED CALL PICKUP WITHOUT BARGE-IN (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
13457	**Direct Cost**				$14.55
13458					
13459					
13460					
13461					
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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	55	0.340				18.70	$41.45	$12.92
Maintenance - SW2	30	0.340				10.20	$41.45	$7.05
Subtotal - NROC						**42.10**		**$29.08**
Total For Service:						**42.10**		**$29.08**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DISTINCTIVE RING/DISTINCTIVE CALL WAITING (con't,

13547	**Direct Cost**				$29.08
13548					
13549		Cost		Cost	
13550		Calculation		Factor	Cost
13551		B	C	D	E
13552	***Marketing & Business Fees***				
13553	Product Management Expense	D13553*E13547		0.019957	$0.58
13554	Sales Expense	D13554*E13547		0.011877	$0.35
13555	Product Advertising Expense	D13555*E13547		0.000000	$0.00
13556	Business Fees (Other Operating Taxes)	D13556*Sum(E13547:E13555)		0.001483	$0.04
13557	***Total Marketing & Business Fees***	Sum(E13547:E13556)			$0.97
13558					
13559	***Sub-Total Direct Cost & Marketing***	E13547+E13557			$30.05
13560					
13561	***Other Direct Expenses***				
13562	Network Operations	D13562*E13559		0.034832	$1.05
13563	Network Support Assets	D13563*E13559		0.014703	$0.44
13564	General Support Assets	D13564*E13559		0.088742	$2.67
13565	General Purpose Computers	D13565*E13559		0.043342	$1.30
13566	Uncollectible	D13566*E13559		0.003786	$0.11
13567	Accounting & Finance Expense	D13567*E13559		0.007346	$0.22
13568	Human Resources Expense	D13568*E13559		0.008294	$0.25
13569	Information Management Expense	D13569*E13559		0.070887	$2.13
13570	Intangibles	D13570*E13559		0.000000	$0.00
13571	***Total Other Direct Expenses***	Sum(E13562:E13570)			$8.17
13572					
13573	***TELRIC***	E13562+E13571			$38.23
13574					
13575	***Common***				
13576	Executive Expense	D13576*E13573		0.011267	$0.43
13577	Planning Expense	D13577*E13573		0.000525	$0.02
13578	External Relations Expense	D13578*E13573		0.037846	$1.45
13579	Legal Expense	D13579*E13573		0.004717	$0.18
13580	Other Procurement Expense	D13580*E13573		0.001860	$0.07
13581	Research & Development Expense	D13581*E13573		0.000006	$0.00
13582	Other General and Admin Expense	D13582*E13573		0.015064	$0.58
13583	***Common Costs***	Sum(E13576:E13582)			$2.73
13584					
13585	***TELRIC + Common Costs***	E13573+E13583			$40.95

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
EXPENSIVE ROUTE WARNING TONE - PER SYSTEM								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	40	0.660				26.40	$41.45	$18.24
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Administration - sw2	45	0.340				15.30	$41.45	$10.57
Maintenance - sw2	40	0.340				13.60	$41.45	$9.40
Subtotal - NROC						75.10		$51.88
Total For Service:						75.10		$51.88

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

EXPENSIVE ROUTE WARNING TONE - PER SYSTEM (con't)

13637	**Direct Cost**				$51.88
13638					
13639		Cost		Cost	
13640		Calculation		Factor	Cost
13641		B	C	D	E
13642	***Marketing & Business Fees***				
13643	Product Management Expense	D13643*E13637		0.019957	$1.04
13644	Sales Expense	D13644*E13637		0.011877	$0.62
13645	Product Advertising Expense	D13645*E13637		0.000000	$0.00
13646	Business Fees (Other Operating Taxes)	D13646*Sum(E13637:E13645)		0.001483	$0.08
13647	***Total Marketing & Business Fees***	Sum(E13637:E13646)			$1.73
13648					
13649	***Sub-Total Direct Cost & Marketing***	E13637+E13647			$53.61
13650					
13651	***Other Direct Expenses***				
13652	Network Operations	D13652*E13649		0.034832	$1.87
13653	Network Support Assets	D13653*E13649		0.014703	$0.79
13654	General Support Assets	D13654*E13649		0.088742	$4.76
13655	General Purpose Computers	D13655*E13649		0.043342	$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					
13665	***Common***				
13666	Executive Expense	D13666*E13663		0.011267	$0.77
13667	Planning Expense	D13667*E13663		0.000525	$0.04
13668	External Relations Expense	D13668*E13663		0.037846	$2.58
13669	Legal Expense	D13669*E13663		0.004717	$0.32
13670	Other Procurement Expense	D13670*E13663		0.001860	$0.13
13671	Research & Development Expense	D13671*E13663		0.000006	$0.00
13672	Other General and Admin Expense	D13672*E13663		0.015064	$1.03
13673	***Common Costs***	Sum(E13666:E13672)			$4.86
13674					
13675	***TELRIC + Common Costs***	E13663+E13673			$73.05

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
FACILITY RESTRICTION LEVEL - PER SYSTEM								
ADD								
-NROC								
1st probability is % by switch type								
Administration - sw1	40	0.660				26.40	$41.45	$18.24
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						**46.20**		**$31.92**
Total For Service:						**46.20**		**$31.92**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

FACILITY RESTRICTION LEVEL - PER SYSTEM (con't)

13727	**Direct Cost**				$31.92
13728					
13729		Cost		Cost	
13730		Calculation		Factor	Cost
13731		B	C	D	E
13732	***Marketing & Business Fees***				
13733	Product Management Expense	D13733*E13727		0.019957	$0.64
13734	Sales Expense	D13734*E13727		0.011877	$0.38
13735	Product Advertising Expense	D13735*E13727		0.000000	$0.00
13736	Business Fees (Other Operating Taxes)	D13736*Sum(E13727:E13735)		0.001483	$0.05
13737	***Total Marketing & Business Fees***	Sum(E13727:E13736)			$1.06
13738					
13739	***Sub-Total Direct Cost & Marketing***	E13727+E13737			$32.98
13740					
13741	***Other Direct Expenses***				
13742	Network Operations	D13742*E13739		0.034832	$1.15
13743	Network Support Assets	D13743*E13739		0.014703	$0.48
13744	General Support Assets	D13744*E13739		0.088742	$2.93
13745	General Purpose Computers	D13745*E13739		0.043342	$1.43
13746	Uncollectible	D13746*E13739		0.003786	$0.12
13747	Accounting & Finance Expense	D13747*E13739		0.007346	$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
13752					
13753	***TELRIC***	E13742+E13751			$41.95
13754					
13755	***Common***				
13756	Executive Expense	D13756*E13753		0.011267	$0.47
13757	Planning Expense	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					
13765	***TELRIC + Common Costs***	E13753+E13763			$44.94

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
GROUP INTERCOM - 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**
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**B**	**C**	**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 Expense	**D13837*E13829**		0.007346	$0.00
13838	Human Resources Expense	**D13838*E13829**		0.008294	$0.00
13839	Information Management Expense	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
HOT LINE - per line equipped, per line								
<u>*ADD*</u>								
<u>-RCMAC</u>								
1st column = times per line								
2nd column = % 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**
Total For Service:						**1.00**		**$0.73**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

HOT LINE - per line equipped, per line (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
13907	**Direct Cost**				$0.73
13908					
13909					
13910					
13911					
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	$0.00
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					
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)			$0.07
13944					
13945	***TELRIC + Common Costs***	E13933+E13943			$1.03

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour 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	30	0.660				19.80	$41.45	$13.68
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						**39.60**		**$27.36**
Total For Service:						**40.26**		**$27.84**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

HUNTING - MULTIPOSITION HUNT QUEUING - per group (con't)

		Cost Calculation		Cost Factor	Cost
13997	**Direct Cost**				$27.84
13998					
13999		Cost		Cost	
14000		Calculation		Factor	Cost
14001		B	C	D	E
14002	***Marketing & Business Fees***				
14003	Product Management Expense	D14003*E13997		0.019957	$0.56
14004	Sales Expense	D14004*E13997		0.011877	$0.33
14005	Product Advertising Expense	D14005*E13997		0.000000	$0.00
14006	Business Fees (Other Operating Taxes)	D14006*Sum(E13997:E14005)		0.001483	$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		0.034832	$1.00
14013	Network Support Assets	D14013*E14009		0.014703	$0.42
14014	General Support Assets	D14014*E14009		0.088742	$2.55
14015	General Purpose Computers	D14015*E14009		0.043342	$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		0.070887	$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	$0.41
14027	Planning Expense	D14027*E14023		0.000525	$0.02
14028	External Relations Expense	D14028*E14023		0.037846	$1.38
14029	Legal Expense	D14029*E14023		0.004717	$0.17
14030	Other Procurement Expense	D14030*E14023		0.001860	$0.07
14031	Research & Development Expense	D14031*E14023		0.000006	$0.00
14032	Other General and Admin Expense	D14032*E14023		0.015064	$0.55
14033	***Common Costs***	Sum(E14026:E14032)			$2.61
14034					
14035	***TELRIC + Common Costs***	E14023+E14033			$39.20

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE								
<u>*ADD*</u>								
<u>-RCMAC</u>								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
<u>-NROC</u>								
1st probability is % by switch type								
Administration - sw1	30	0.660				19.80	$41.45	$13.68
Maintenance - sw1	30	0.660				19.80	$41.45	$13.68
Subtotal - NROC						**39.60**		**$27.36**
Total For Service:						**40.26**		**$27.84**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

HUNTING: MULTIPOSITION WITH ANNOUCEMENT IN QUEUE (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
14087	**Direct Cost**				$27.84
14088					
14089					
14090					
14091					
14092	***Marketing & Business Fees***				
14093	Product Management Expense	D14093*E14087		0.019957	$0.56
14094	Sales Expense	D14094*E14087		0.011877	$0.33
14095	Product Advertising Expense	D14095*E14087		0.000000	$0.00
14096	Business Fees (Other Operating Taxes)	D14096*Sum(E14087:E14095)		0.001483	$0.04
14097	***Total Marketing & Business Fees***	Sum(E14087:E14096)			$0.93
14098					
14099	***Sub-Total Direct Cost & Marketing***	E14087+E14097			$28.77
14100					
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			$36.59
14114					
14115	***Common***				
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	D14122*E14113		0.015064	$0.55
14123	***Common Costs***	Sum(E14116:E14122)			$2.61
14124					
14125	***TELRIC + Common Costs***	E14113+E14123			$39.20

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	30	0.660				19.80	$43.81	$14.46
Translations - SW1	30	0.660				19.80	$43.81	$14.46
Subtotal - NROC						**39.60**		**$28.91**
Total For Service:						**40.26**		**$29.40**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

HUNTING: MULTIPOSITION WITH MUSIC IN QUEUE (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
14177	**Direct Cost**				$29.40
14178					
14179					
14180					
14181					
14182	***Marketing & Business Fees***				
14183	Product Management Expense	**D14183*E14177**		0.019957	$0.59
14184	Sales Expense	**D14184*E14177**		0.011877	$0.35
14185	Product Advertising Expense	**D14185*E14177**		0.000000	$0.00
14186	Business Fees (Other Operating Taxes)	**D14186*Sum(E14177:E14185)**		0.001483	$0.04
14187	***Total Marketing & Business Fees***	Sum(E14177:E14186)			$0.98
14188					
14189	***Sub-Total Direct Cost & Marketing***	E14177+E14187			$30.38
14190					
14191	***Other Direct Expenses***				
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	$0.58
14213	***Common Costs***	Sum(E14206:E14212)			$2.75
14214					
14215	***TELRIC + Common Costs***	E14203+E14213			$41.39

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
ISDN SHORT HUNT								
ADD								
-RCMAC								
1st probability % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Translations - SW2	3	0.340				1.02	$43.81	$0.74
Subtotal - RCMAC						**1.68**		**$1.23**
Total For Service:						**1.68**		**$1.23**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

ISDN SHORT HUNT (con't)

14267	Direct Cost				$1.23
14268					
14269		Cost		Cost	
14270		Calculation		Factor	Cost
14271		B	C	D	E
14272	***Marketing & Business Fees***				
14273	Product Management Expense	D14273*E14267		0.019957	$0.02
14274	Sales Expense	D14274*E14267		0.011877	$0.01
14275	Product Advertising Expense	D14275*E14267		0.000000	$0.00
14276	Business Fees (Other Operating Taxes)	D14276*Sum(E14267:E14275)		0.001483	$0.00
14277	***Total Marketing & Business Fees***	Sum(E14267:E14276)			$0.04
14278					
14279	***Sub-Total Direct Cost & Marketing***	E14267+E14277			$1.27
14280					
14281	***Other Direct Expenses***				
14282	Network Operations	D14282*E14279		0.034832	$0.04
14283	Network Support Assets	D14283*E14279		0.014703	$0.02
14284	General Support Assets	D14284*E14279		0.088742	$0.11
14285	General Purpose Computers	D14285*E14279		0.043342	$0.05
14286	Uncollectible	D14286*E14279		0.003786	$0.00
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		0.000000	$0.00
14291	***Total Other Direct Expenses***	Sum(E14282:E14290)			$0.34
14292					
14293	***TELRIC***	E14282+E14291			$1.61
14294					
14295	***Common***				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
LOUDSPEAKER PAGING TRUNK SIDE, per group								
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	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						183.30		$126.63
Total For Service:						184.30		$127.36

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

LOUDSPEAKER PAGING TRUNK SIDE, per group (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
14357	**Direct Cost**				$127.36
14358					
14359					
14360					
14361					
14362	***Marketing & Business Fees***				
14363	Product Management Expense	D14363*E14357		0.019957	$2.54
14364	Sales Expense	D14364*E14357		0.011877	$1.51
14365	Product Advertising Expense	D14365*E14357		0.000000	$0.00
14366	Business Fees (Other Operating Taxes)	D14366*Sum(E14357:E14365)		0.001483	$0.19
14367	***Total Marketing & Business Fees***	Sum(E14357:E14366)			$4.25
14368					
14369	***Sub-Total Direct Cost & Marketing***	E14357+E14367			$131.61
14370					
14371	***Other Direct Expenses***				
14372	Network Operations	D14372*E14369		0.034832	$4.58
14373	Network Support Assets	D14373*E14369		0.014703	$1.94
14374	General Support Assets	D14374*E14369		0.088742	$11.68
14375	General Purpose Computers	D14375*E14369		0.043342	$5.70
14376	Uncollectible	D14376*E14369		0.003786	$0.50
14377	Accounting & Finance Expense	D14377*E14369		0.007346	$0.97
14378	Human Resources Expense	D14378*E14369		0.008294	$1.09
14379	Information Management Expense	D14379*E14369		0.070887	$9.33
14380	Intangibles	D14380*E14369		0.000000	$0.00
14381	***Total Other Direct Expenses***	Sum(E14372:E14380)			$35.79
14382					
14383	***TELRIC***	E14372+E14381			$167.40
14384					
14385	***Common***				
14386	Executive Expense	D14386*E14383		0.011267	$1.89
14387	Planning Expense	D14387*E14383		0.000525	$0.09
14388	External Relations Expense	D14388*E14383		0.037846	$6.34
14389	Legal Expense	D14389*E14383		0.004717	$0.79
14390	Other Procurement Expense	D14390*E14383		0.001860	$0.31
14391	Research & Development Expense	D14391*E14383		0.000006	$0.00
14392	Other General and Admin Expense	D14392*E14383		0.015064	$2.52
14393	***Common Costs***	Sum(E14386:E14392)			$11.93
14394					
14395	***TELRIC + Common Costs***	E14383+E14393			$179.33

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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**
Total For Service:						**0.66**		**$0.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**B**	**C**	**D**	**E**
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 & Marketing***	E14447+E14457			$0.50
14460					
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					
14475	***Common***				
14476	Executive Expense	D14476*E14473		0.011267	$0.01
14477	Planning Expense	D14477*E14473		0.000525	$0.00
14478	External Relations Expense	D14478*E14473		0.037846	$0.02
14479	Legal 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	$0.01
14483	***Common Costs***	Sum(E14476:E14482)			$0.05
14484					
14485	***TELRIC + Common Costs***	E14473+E14483			$0.68

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
MAKE BUSY ARRANGEMENTS, per line								
<u>*ADD*</u>								
<u>-RCMAC</u>								
1st probability is % by switch type								
Translations - SW1	1	0.660				0.66	$43.81	$0.48
Subtotal - RCMAC						**0.66**		**$0.48**
Total For Service:						**0.66**		**$0.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MAKE BUSY ARRANGEMENTS, per line (con't)

14537	**Direct Cost**				$0.48
14538					
14539		Cost		Cost	
14540		Calculation		Factor	Cost
14541		B	C	D	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					
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**		0.000000	$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 Expense	**D14567*E14563**		0.000525	$0.00
14568	External Relations Expense	**D14568*E14563**		0.037846	$0.02
14569	Legal Expense	**D14569*E14563**		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**		0.015064	$0.01
14573	***Common Costs***	**Sum(E14566:E14572)**			$0.05
14574					
14575	***TELRIC + Common Costs***	**E14563+E14573**			$0.68

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
MESSAGE CENTER - per main station 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MESSAGE CENTER - per main station line, per line (con't)

14627	**Direct Cost**				$0.25
14628					
14629		Cost		Cost	
14630		Calculation		Factor	Cost
14631		B	C	D	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	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						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MESSAGE WAITING VISUAL, per line (con't)

14717	**Direct Cost**				$0.25
14718					
14719		**Cost**		**Cost**	
14720		**Calculation**		**Factor**	**Cost**
14721		**B**	**C**	**D**	**E**
14722	***Marketing & Business Fees***				
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	***Common***				
14746	Executive Expense	D14746*E14743		0.011267	$0.00
14747	Planning Expense	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

CONTINUATION

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NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
MUSIC ON HOLD - per system								
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 % by switch type								
Administration - sw2	35	0.340				11.90	$41.45	$8.22
Maintenance - sw2	35	0.340				11.90	$41.45	$8.22
Subtotal - NROC						**23.80**		**$16.44**
Total For Service:						**24.14**		**$16.69**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MUSIC ON HOLD - per system (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
14807	**Direct Cost**				$16.69
14808					
14809					
14810					
14811					
14812	***Marketing & Business Fees***				
14813	Product Management Expense	**D14813*E14807**		0.019957	$0.33
14814	Sales Expense	**D14814*E14807**		0.011877	$0.20
14815	Product Advertising Expense	**D14815*E14807**		0.000000	$0.00
14816	Business Fees (Other Operating Taxes)	**D14816*Sum(E14807:E14815)**		0.001483	$0.03
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**		0.034832	$0.60
14823	Network Support Assets	**D14823*E14819**		0.014703	$0.25
14824	General Support Assets	**D14824*E14819**		0.088742	$1.53
14825	General Purpose Computers	**D14825*E14819**		0.043342	$0.75
14826	Uncollectible	**D14826*E14819**		0.003786	$0.07
14827	Accounting & Finance Expense	**D14827*E14819**		0.007346	$0.13
14828	Human Resources Expense	**D14828*E14819**		0.008294	$0.14
14829	Information Management Expense	**D14829*E14819**		0.070887	$1.22
14830	Intangibles	**D14830*E14819**		0.000000	$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**		0.011267	$0.25
14837	Planning Expense	**D14837*E14833**		0.000525	$0.01
14838	External Relations Expense	**D14838*E14833**		0.037846	$0.83
14839	Legal Expense	**D14839*E14833**		0.004717	$0.10
14840	Other Procurement Expense	**D14840*E14833**		0.001860	$0.04
14841	Research & Development Expense	**D14841*E14833**		0.000006	$0.00
14842	Other General and Admin Expense	**D14842*E14833**		0.015064	$0.33
14843	***Common Costs***	**Sum(E14836:E14842)**			$1.56
14844					
14845	***TELRIC + Common Costs***	**E14833+E14843**			$23.50

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	0.2	0.340				0.07	$41.45	$0.05
Maintenance - sw2	0.2	0.340				0.07	$41.45	$0.05
Subtotal - NROC						**0.14**		**$0.09**
Total For Service:						**0.48**		**$0.34**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**B**	**C**	**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 Expense	**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					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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
Subtotal - RCMAC						**0.34**		**$0.25**
Total For Service:						**0.34**		**$0.25**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

QUERY TIME, per station line (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
14987	**Direct Cost**				$0.25
14988					
14989					
14990					
14991					
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			$0.35

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

STATION CAMP-ON, per main line, per line (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
15077	**Direct Cost**				$0.25
15078					
15079					
15080					
15081					
15082	***Marketing & Business Fees***				
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					
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	Intangibles	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 Expense	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

NONRECURRING COST DETAIL SUMMARY

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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	0.660				39.60	$41.45	$27.36
Administration - sw2	30	0.340				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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TIME OF DAY CONTROL FOR ARS - PER SYSTEM (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
15167	**Direct Cost**				$90.78
15168					
15169					
15170					
15171					
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)			$3.03
15178					
15179	***Sub-Total Direct Cost & Marketing***	E15167+E15177			$93.80
15180					
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	$0.78
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		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						**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	60	0.005	0.340			0.10	$41.45	$0.07
Maintenance - SW2	60	0.005	0.340			0.10	$41.45	$0.07
Subtotal - NROC						**0.20**		**$0.14**
Total For Service:						**0.54**		**$0.39**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TIME OF DAY NCOS UPDATED, PER MAIN STATION (con't)

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
15257	**Direct Cost**				$0.39
15258					
15259					
15260					
15261					
15262	***Marketing & Business Fees***				
15263	Product Management Expense	D15263*E15257		0.019957	$0.01
15264	Sales Expense	D15264*E15257		0.011877	$0.00
15265	Product Advertising Expense	D15265*E15257		0.000000	$0.00
15266	Business Fees (Other Operating Taxes)	D15266*Sum(E15257:E15265)		0.001483	$0.00
15267	***Total Marketing & Business Fees***	Sum(E15257:E15266)			$0.01
15268					
15269	***Sub-Total Direct Cost & Marketing***	E15257+E15267			$0.40
15270					
15271	***Other Direct Expenses***				
15272	Network Operations	D15272*E15269		0.034832	$0.01
15273	Network Support Assets	D15273*E15269		0.014703	$0.01
15274	General Support Assets	D15274*E15269		0.088742	$0.04
15275	General Purpose Computers	D15275*E15269		0.043342	$0.02
15276	Uncollectible	D15276*E15269		0.003786	$0.00
15277	Accounting & Finance Expense	D15277*E15269		0.007346	$0.00
15278	Human Resources Expense	D15278*E15269		0.008294	$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***	Sum(E15272:E15280)			$0.11
15282					
15283	***TELRIC***	E15272+E15281			$0.51
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					
15295	***TELRIC + Common Costs***	E15283+E15293			$0.55

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
TIME OF DAY ROUTING, per line								
ADD								
-RCMAC								
1st proability 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	30	0.005	0.340			0.05	$41.45	$0.04
Maintenance - sw2	75	0.005	0.340			0.13	$41.45	$0.09
Subtotal - NROC						**0.18**		**$0.12**
Total For Service:						**0.52**		**$0.37**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TIME OF DAY ROUTING, per line (con't)

15347	**Direct Cost**				$0.37
15348					
15349		**Cost**		**Cost**	
15350		**Calculation**		**Factor**	**Cost**
15351		**B**	**C**	**D**	**E**
15352	***Marketing & Business Fees***				
15353	Product Management Expense	D15353*E15347		0.019957	$0.01
15354	Sales Expense	D15354*E15347		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***				
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	***TELRIC***	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPEC								
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	15	0.005	0.340			0.03	$41.45	$0.02
Maintenance - sw2	15	0.005	0.340			0.03	$41.45	$0.02
Subtotal - NROC						**0.05**		**$0.04**
Total For Service:						**0.39**		**$0.28**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TRUNK VERIFICATION FROM DESIGNATED STATION, PER LINE EQUIPPED (con't,

15437	Direct Cost				$0.29
15438					
15439		Cost		Cost	
15440		Calculation		Factor	Cost
15441		B	C	D	E
15442	***Marketing & Business Fees***				
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*E15449		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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UCD - IN HUNT GROUP, Incl. Queuing, Music on Queue, & Delay Announcement, per line								
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**
Total For Service:						**0.66**		**$0.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	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		Cost		Cost	
15530		Calculation		Factor	Cost
15531		B	C	D	E
15532	***Marketing & Business Fees***				
15533	Product Management Expense	D15533*E15527		0.019957	$0.01
15534	Sales Expense	D15534*E15527		0.011877	$0.01
15535	Product Advertising Expense	D15535*E15527		0.000000	$0.00
15536	Business Fees (Other Operating Taxes)	D15536*Sum(E15527:E15535)		0.001483	$0.00
15537	***Total Marketing & Business Fees***	Sum(E15527:E15536)			$0.02
15538					
15539	***Sub-Total Direct Cost & Marketing***	E15527+E15537			$0.50
15540					
15541	***Other Direct Expenses***				
15542	Network Operations	D15542*E15539		0.034832	$0.02
15543	Network Support Assets	D15543*E15539		0.014703	$0.01
15544	General Support Assets	D15544*E15539		0.088742	$0.04
15545	General Purpose Computers	D15545*E15539		0.043342	$0.02
15546	Uncollectible	D15546*E15539		0.003786	$0.00
15547	Accounting & Finance Expense	D15547*E15539		0.007346	$0.00
15548	Human Resources Expense	D15548*E15539		0.008294	$0.00
15549	Information Management Expense	D15549*E15539		0.070887	$0.04
15550	Intangibles	D15550*E15539		0.000000	$0.00
15551	***Total Other Direct Expenses***	Sum(E15542:E15550)			$0.14
15552					
15553	***TELRIC***	E15542+E15551			$0.63
15554					
15555	***Common***				
15556	Executive Expense	D15556*E15553		0.011267	$0.01
15557	Planning Expense	D15557*E15553		0.000525	$0.00
15558	External Relations Expense	D15558*E15553		0.037846	$0.02
15559	Legal Expense	D15559*E15553		0.004717	$0.00
15560	Other Procurement Expense	D15560*E15553		0.001860	$0.00
15561	Research & Development Expense	D15561*E15553		0.000006	$0.00
15562	Other General and Admin Expense	D15562*E15553		0.015064	$0.01
15563	***Common Costs***	Sum(E15556:E15562)			$0.05
15564					
15565	***TELRIC + Common Costs***	E15553+E15563			$0.68

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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				30.00	$39.16	$19.58
Additional service order time to establish billing ***Prob #1 = Probability of occurrence***								
Issue service order	5	1.000				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								
Maintenance	45	1.000				45.00	$41.45	$31.09
Subtotal - COMPLEX TRANSLATIONS - NROC - MAINTENANCE						**45.00**		**$31.09**
-SERVICE ORDER ENTRY CENTER								
Additional order entry time								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
SMDR-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								
Cent Sys Feature per feature	5	1.000	1.000			5.00	$39.16	$3.26
Subtotal - SERVICE ORDER ENTRY CENTER						**5.00**		**$3.26**
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	$3.26
Subtotal - BGS/GOV CENTER						**5.00**		**$3.26**
-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	$3.26
Subtotal - SERVICE ORDER ENTRY CENTER						**5.00**		**$3.26**
Total For Service:						**380.00**		**$244.78**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SMDR-P - SERVICE ESTABLISHMENT CHARGE, INITIAL INSTALLATION (con't,

15662	**Direct Cost**				$244.78
15663					
15664		**Cost**		**Cost**	
15665		**Calculation**		**Factor**	**Cost**
15666		**B**	**C**	**D**	**E**
15667	***Marketing & Business Fees***				
15668	Product Management Expense	**D15668*E15662**		0.019957	$4.89
15669	Sales Expense	**D15669*E15662**		0.011877	$2.91
15670	Product Advertising Expense	**D15670*E15662**		0.000000	$0.00
15671	Business Fees (Other Operating Taxes)	**D15671*Sum(E15662:E15670)**		0.001483	$0.37
15672	***Total Marketing & Business Fees***	**Sum(E15662:E15671)**			$8.17
15673					
15674	***Sub-Total Direct Cost & Marketing***	**E15662+E15672**			$252.95
15675					
15676	***Other Direct Expenses***				
15677	Network Operations	**D15677*E15674**		0.034832	$8.81
15678	Network Support Assets	**D15678*E15674**		0.014703	$3.72
15679	General Support Assets	**D15679*E15674**		0.088742	$22.45
15680	General Purpose Computers	**D15680*E15674**		0.043342	$10.96
15681	Uncollectible	**D15681*E15674**		0.003786	$0.96
15682	Accounting & Finance Expense	**D15682*E15674**		0.007346	$1.86
15683	Human Resources Expense	**D15683*E15674**		0.008294	$2.10
15684	Information Management Expense	**D15684*E15674**		0.070887	$17.93
15685	Intangibles	**D15685*E15674**		0.000000	$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	**D15691*E15688**		0.011267	$3.63
15692	Planning Expense	**D15692*E15688**		0.000525	$0.17
15693	External Relations Expense	**D15693*E15688**		0.037846	$12.18
15694	Legal Expense	**D15694*E15688**		0.004717	$1.52
15695	Other Procurement Expense	**D15695*E15688**		0.001860	$0.60
15696	Research & Development Expense	**D15696*E15688**		0.000006	$0.00
15697	Other General and Admin Expense	**D15697*E15688**		0.015064	$4.85
15698	***Common Costs***	**Sum(E15691:E15697)**			$22.94
15699					
15700	***TELRIC + Common Costs***	**E15688+E15698**			$344.67

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

SMDR-P - ARCHIVED DATA (con't)

		Cost Calculation B C	Cost Factor D	Cost E
15752	**Direct Cost**			$127.91
15753				
15754				
15755				
15756				
15757	***Marketing & Business Fees***			
15758	Product Management Expense	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 Marketing & 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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION								
ADD								
-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**
Total For Service:						**960.00**		**$700.96**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CMS - SYSTEM ESTABLISHMENT - INITIAL INSTALLATION (con't,

		Cost Calculation B C	Cost Factor D	Cost E
15842	**Direct Cost**			$700.98
15843				
15844				
15845				
15846				
15847	***Marketing & Business Fees***			
15848	Product Management Expense	D15848*E15842	0.019957	$13.99
15849	Sales Expense	D15849*E15842	0.011877	$8.33
15850	Product Advertising Expense	D15850*E15842	0.000000	$0.00
15851	Business Fees (Other Operating Taxes)	D15851*Sum(E15842:E15850)	0.001483	$1.07
15852	***Total Marketing & Business Fees***	Sum(E15842:E15851)		$23.39
15853				
15854	***Sub-Total Direct Cost & Marketing***	E15842+E15852		$724.35
15855				
15856	***Other Direct Expenses***			
15857	Network Operations	D15857*E15854	0.034832	$25.23
15858	Network Support Assets	D15858*E15854	0.014703	$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	0.003786	$2.74
15862	Accounting & Finance Expense	D15862*E15854	0.007346	$5.32
15863	Human Resources Expense	D15863*E15854	0.008294	$6.01
15864	Information Management Expense	D15864*E15854	0.070887	$51.35
15865	Intangibles	D15865*E15854	0.000000	$0.00
15866	***Total Other Direct Expenses***	Sum(E15857:E15865)		$196.97
15867				
15868	***TELRIC***	E15857+E15866		$921.32
15869				
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)		$65.68
15879				
15880	***TELRIC + Common Costs***	E15868+E15878		$987.00

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION								
ADD								
-CUSTOMER COMMUNICATIONS TECH								
1st column = time for system establishment								
2nd column = occurrence								
Loading CCRS database	480	1.000				480.00	$43.81	$350.48
Subtotal - CUSTOMER COMMUNICATIONS TECH						**480.00**		**$350.48**
Total For Service:						**480.00**		**$350.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CMS - SYSTEM ESTABLISHMENT - SUBSEQUENT INSTALLATION (con't,

15932	**Direct Cost**				$350.48
15933					
15934		Cost		Cost	
15935		Calculation		Factor	Cost
15936		B	C	D	E
15937	***Marketing & Business Fees***				
15938	Product Management Expense	**D15938*E15932**		0.019957	$6.99
15939	Sales Expense	**D15939*E15932**		0.011677	$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)**			$11.69
15943					
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 Expense	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
Total For Service:						**480.00**		**$350.48**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CMS - PACKET CONTROL CAPABILITY, PER SYSTEM (con't)

16022	**Direct Cost**				$350.48
16023					
16024		**Cost**		**Cost**	
16025		**Calculation**		**Factor**	**Cost**
16026		**B**	**C**	**D**	**E**
16027	***Marketing & Business Fees***				
16028	Product Management Expense	**D16028*E16022**		0.019957	$6.99
16029	Sales Expense	**D16029*E16022**		0.011877	$4.16
16030	Product Advertising Expense	**D16030*E16022**		0.000000	$0.00
16031	Business Fees (Other Operating Taxes)	**D16031*Sum(E16022:E16030)**		0.001483	$0.54
16032	***Total Marketing & Business Fees***	**Sum(E16022:E16031)**			$11.69
16033					
16034	***Sub-Total Direct Cost & Marketing***	**E16022+E16032**			$362.17
16035					
16036	***Other Direct Expenses***				
16037	Network Operations	**D16037*E16034**		0.034832	$12.62
16038	Network Support Assets	**D16038*E16034**		0.014703	$5.33
16039	General Support Assets	**D16039*E16034**		0.088742	$32.14
16040	General Purpose Computers	**D16040*E16034**		0.043342	$15.70
16041	Uncollectible	**D16041*E16034**		0.003786	$1.37
16042	Accounting & Finance Expense	**D16042*E16034**		0.007346	$2.66
16043	Human Resources Expense	**D16043*E16034**		0.008294	$3.00
16044	Information Management Expense	**D16044*E16034**		0.070887	$25.67
16045	Intangibles	**D16045*E16034**		0.000000	$0.00
16046	***Total Other Direct Expenses***	**Sum(E16037:E16045)**			$98.49
16047					
16048	***TELRIC***	**E16037+E16046**			$460.66
16049					
16050	***Common***				
16051	Executive Expense	**D16051*E16048**		0.011267	$5.19
16052	Planning Expense	**D16052*E16048**		0.000525	$0.24
16053	External Relations Expense	**D16053*E16048**		0.037846	$17.43
16054	Legal Expense	**D16054*E16048**		0.004717	$2.17
16055	Other Procurement Expense	**D16055*E16048**		0.001860	$0.86
16056	Research & Development Expense	**D16056*E16048**		0.000006	$0.00
16057	Other General and Admin Expense	**D16057*E16048**		0.015064	$6.94
16058	***Common Costs***	**Sum(E16051:E16057)**			$32.84
16059					
16060	***TELRIC + Common Costs***	**E16048+E16058**			$493.50

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CONFERENCE CALLING - MEET ME - 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	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
Total For Service:						44.30		$30.64

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
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Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CONFERENCE CALLING - MEET ME - PER SYSTEM (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
16112	**Direct Cost**				$30.64
16113					
16114					
16115					
16116					
16117	***Marketing & Business Fees***				
16118	Product Management Expense	**D16118*E16112**		0.019957	$0.61
16119	Sales Expense	**D16119*E16112**		0.011877	$0.36
16120	Product Advertising Expense	**D16120*E16112**		0.000000	$0.00
16121	Business Fees (Other Operating Taxes)	**D16121*Sum(E16112:E16120)**		0.001483	$0.05
16122	***Total Marketing & Business Fees***	**Sum(E16112:E16121)**			$1.02
16123					
16124	***Sub-Total Direct Cost & Marketing***	**E16112+E16122**			$31.67
16125					
16126	***Other Direct Expenses***				
16127	Network Operations	**D16127*E16124**		0.034832	$1.10
16128	Network Support Assets	**D16128*E16124**		0.014703	$0.47
16129	General Support Assets	**D16129*E16124**		0.088742	$2.81
16130	General Purpose Computers	**D16130*E16124**		0.043342	$1.37
16131	Uncollectible	**D16131*E16124**		0.003786	$0.12
16132	Accounting & Finance Expense	**D16132*E16124**		0.007346	$0.23
16133	Human Resources Expense	**D16133*E16124**		0.008294	$0.26
16134	Information Management Expense	**D16134*E16124**		0.070887	$2.24
16135	Intangibles	**D16135*E16124**		0.000000	$0.00
16136	***Total Other Direct Expenses***	**Sum(E16127:E16135)**			$8.61
16137					
16138	***TELRIC***	**E16127+E16136**			$40.28
16139					
16140	***Common***				
16141	Executive Expense	**D16141*E16138**		0.011267	$0.45
16142	Planning Expense	**D16142*E16138**		0.000525	$0.02
16143	External Relations Expense	**D16143*E16138**		0.037846	$1.52
16144	Legal Expense	**D16144*E16138**		0.004717	$0.19
16145	Other Procurement Expense	**D16145*E16138**		0.001860	$0.07
16146	Research & Development Expense	**D16146*E16138**		0.000006	$0.00
16147	Other General and Admin Expense	**D16147*E16138**		0.015064	$0.61
16148	***Common Costs***	**Sum(E16141:E16147)**			$2.87
16149					
16150	***TELRIC + Common Costs***	**E16138+E16148**			$43.15

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
CONFERENCE CALLING - PRESET - 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	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**
Total For Service:						**44.30**		**$30.64**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CONFERENCE CALLING - PRESET - PER SYSTEM (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
16202	***Direct Cost***				$30.64
16203					
16204					
16205					
16206					
16207	***Marketing & Business Fees***				
16208	Product Management Expense	**D16208*E16202**		0.019957	$0.61
16209	Sales Expense	**D16209*E16202**		0.011877	$0.36
16210	Product Advertising Expense	**D16210*E16202**		0.000000	$0.00
16211	Business Fees (Other Operating Taxes)	**D16211*Sum(E16202:E16210)**		0.001483	$0.05
16212	***Total Marketing & Business Fees***	**Sum(E16202:E16211)**			$1.02
16213					
16214	***Sub-Total Direct Cost & Marketing***	**E16202+E16212**			$31.67
16215					
16216	***Other Direct Expenses***				
16217	Network Operations	**D16217*E16214**		0.034832	$1.10
16218	Network Support Assets	**D16218*E16214**		0.014703	$0.47
16219	General Support Assets	**D16219*E16214**		0.088742	$2.81
16220	General Purpose Computers	**D16220*E16214**		0.043342	$1.37
16221	Uncollectible	**D16221*E16214**		0.003786	$0.12
16222	Accounting & Finance Expense	**D16222*E16214**		0.007346	$0.23
16223	Human Resources Expense	**D16223*E16214**		0.008294	$0.26
16224	Information Management Expense	**D16224*E16214**		0.070887	$2.24
16225	Intangibles	**D16225*E16214**		0.000000	$0.00
16226	***Total Other Direct Expenses***	**Sum(E16217:E16225)**			$8.61
16227					
16228	***TELRIC***	**E16217+E16226**			$40.28
16229					
16230	***Common***				
16231	Executive Expense	**D16231*E16228**		0.011267	$0.45
16232	Planning Expense	**D16232*E16228**		0.000525	$0.02
16233	External Relations Expense	**D16233*E16228**		0.037846	$1.52
16234	Legal Expense	**D16234*E16228**		0.004717	$0.19
16235	Other Procurement Expense	**D16235*E16228**		0.001860	$0.07
16236	Research & Development Expense	**D16236*E16228**		0.000006	$0.00
16237	Other General and Admin Expense	**D16237*E16228**		0.015064	$0.61
16238	***Common Costs***	**Sum(E16231:E16237)**			$2.87
16239					
16240	***TELRIC + Common Costs***	**E16228+E16238**			$43.15

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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	$0.25
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	25	0.660				16.50	$41.45	$11.40
Administration - sw2	20	0.340				6.80	$41.45	$4.70
Maintenance - sw2	20	0.340				6.80	$41.45	$4.70
Subtotal - NROC						**46.60**		**$32.19**
Total For Service:						**47.60**		**$32.92**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

CONFERENCE CALLING - STATION DIAL (con't)

16292	**Direct Cost**				$32.92
16293					
16294		Cost		Cost	
16295		Calculation		Factor	Cost
16296		B	C	D	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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
9.12.1.4 SUBSEQUENT ORDER CHARGE								
ADD								
-ISC - INTERCONNECT SERVICE CENTER								
PROVISION SUBSEQUESNT ORDER	15	1.000				15.00	$39.16	$9.79
Subtotal - ISC - INTERCONNECT SERVICE CENTER						**15.00**		**$9.79**
Total For Service:						**15.00**		**$9.79**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.4 SUBSEQUENT ORDER CHARGE (con't)

16382	**Direct Cost**				$9.79
16383					
16384		Cost		Cost	
16385		Calculation		Factor	Cost
16386		B	C	D	E
16387	***Marketing & Business Fees***				
16388	Product Management Expense	**D16388*E16382**		0.019957	$0.20
16389	Sales Expense	**D16389*E16382**		0.011877	$0.12
16390	Product Advertising Expense	**D16390*E16382**		0.000000	$0.00
16391	Business Fees (Other Operating Taxes)	**D16391*Sum(E16382:E16390)**		0.001483	$0.01
16392	***Total Marketing & Business Fees***	**Sum(E16382:E16391)**			$0.33
16393					
16394	***Sub-Total Direct Cost & Marketing***	**E16382+E16392**			$10.12
16395					
16396	***Other Direct Expenses***				
16397	Network Operations	**D16397*E16394**		0.034832	$0.35
16398	Network Support Assets	**D16398*E16394**		0.014703	$0.15
16399	General Support Assets	**D16399*E16394**		0.088742	$0.90
16400	General Purpose Computers	**D16400*E16394**		0.043342	$0.44
16401	Uncollectible	**D16401*E16394**		0.003786	$0.04
16402	Accounting & Finance Expense	**D16402*E16394**		0.007346	$0.07
16403	Human Resources Expense	**D16403*E16394**		0.008294	$0.08
16404	Information Management Expense	**D16404*E16394**		0.070887	$0.72
16405	Intangibles	**D16405*E16394**		0.000000	$0.00
16406	***Total Other Direct Expenses***	**Sum(E16397:E16405)**			$2.75
16407					
16408	***TELRIC***	**E16397+E16406**			$12.87
16409					
16410	***Common***				
16411	Executive Expense	**D16411*E16408**		0.011267	$0.14
16412	Planning Expense	**D16412*E16408**		0.000525	$0.01
16413	External Relations Expense	**D16413*E16408**		0.037846	$0.49
16414	Legal Expense	**D16414*E16408**		0.004717	$0.06
16415	Other Procurement Expense	**D16415*E16408**		0.001860	$0.02
16416	Research & Development Expense	**D16416*E16408**		0.000006	$0.00
16417	Other General and Admin Expense	**D16417*E16408**		0.015064	$0.19
16418	***Common Costs***	**Sum(E16411:E16417)**			$0.92
16419					
16420	***TELRIC + Common Costs***	**E16408+E16418**			$13.78

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN)								
ADD								
-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 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, provisioining 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 - INTERCONNECTION SERVICE CENTER						37.35		$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
Subtotal - LOOP PROVISIONING CENTER						4.50		$2.83
-RCMAC								
Prob #1 = times								
prob #2 = % by switch type								

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,								
Translations - SW1	10	0.660				6.60	$43.81	$4.82
Translations - SW2	7	0.340				2.38	$43.81	$1.74
Subtotal - RCMAC						**8.98**		**$6.56**
-DESIGNED SERVICE CENTER - DESIGN								
Prob #1 = times								
Prob #2 = % of order items that require manual processing								
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
Circuit design	30	1.000				30.00	$44.31	$22.16
Distribute WORD doc	2	0.900				1.80	$44.31	$1.33
Subtotal - DESIGNED SERVICE CENTER - DESIGN						**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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
PER BUTTON - ADMINISTRATION	7	1.000		0.003		0.02	$41.45	$0.01

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
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Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,								
CONFIGURATION GROUP - MAINTENANCE	30	1.000	0.060	0.003		0.01	$41.45	$0.00
PER BUTTON - MAINTENANCE	5	1.000		0.003		0.02	$41.45	$0.01
Subtotal - COMPLEX TRANSLATIONS						**1.06**		**$0.73**
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	$1.31
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)	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						**23.00**		**$15.01**
-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
Subtotal - LOOP PROVISIONING CENTER						**4.50**		**$2.83**
-RCMAC								
Prob #1 = times								
Prob #2 = % 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**
-DESIGNED SERVICE CENTER - DESIGN								
Prob #1 = times								
Prob #2 = % of orders requiring manual processing								
ORDER HANDLING/SCREENING	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 - DESIGNED SERVICE CENTER - DESIGN						**2.30**		**$1.70**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$3.65
Contact Co-Provider	5	1.000				5.00	$43.81	$3.65
Complete order in Work Force Administration - Control Module	5	1.000				5.00	$43.81	$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**15.00**		**$10.95**
-CENTRAL OFFICE TECHNICIAN - LNO/CO								
Prob #1 = times								
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 request in Work Force Administration - Dispatch In Module	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN - LNO/CC						**9.30**		**$6.79**
-RCMAC								
1st probability is % by switch type								
B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	0.660				0.66	$43.81	$0.48
B CHANNEL CIRCUIT SWITCHED DATA - DMS	1	0.340				0.34	$43.81	$0.25
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	1	0.660				0.66	$43.81	$0.48
D CHANNEL PACKET SWITCHED DATA - DMS	1	0.340				0.34	$43.81	$0.25
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						**8.66**		**$6.32**
Total For Service:						**238.81**		**$168.93**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.5 DIGITAL LINE SIDE PORT (SUPPORTING BRI ISDN) (con't,

16652	**Direct Cost**				$168.93
16653					
16654		**Cost**		**Cost**	
16655		**Calculation**		**Factor**	**Cost**
16656		**B**	**C**	**D**	**E**
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					
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	***TELRIC***	**E16667+E16676**			$222.04
16679					
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
16689					
16690	***TELRIC + Common Costs***	**E16678+E16688**			$237.87

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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, provisioining 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 (.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	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL (con't								
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)	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
Total For Service:						**177.52**		**$123.78**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.6.2 MESSAGE TRUNK GROUP, FIRST TRUNK - DS0 DIGITAL (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
16832	**Direct Cost**				$123.78
16833					
16834					
16835					
16836					
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	$0.19
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 Expense	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					
16870	***TELRIC + Common Costs***	E16858+E16868			$174.29

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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)	3	1.000				3.00	$39.16	$1.96
Review Firm Order Confirmation	3	1.000				3.00	$39.16	$1.96
Issue service order	5	1.000				5.00	$39.16	$3.26
Service Order Analysis & Control (SOAC/SOP)	3	1.000				3.00	$39.16	$1.96
Includes handling calls from other departments working the order	1	0.600				0.60	$39.16	$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
-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	0.042			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	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 SERVICE CENTER - DESIGNER						1.39		$1.03
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Screen Work Force Administration for circuit	5	1.000				5.00	$43.81	$3.65
Complete perfomance testing	6	1.000				6.00	$43.81	$4.38
Post order complete in Work Force Administration - Control Module	1	1.000				1.00	$43.81	$0.73
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						12.00		$8.76
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
PROB #1 = occurrences								
Issue service order	5	1.000				5.00	$39.16	$3.26
Populate required fields Customer Request Management (CRM)	3	1.000				3.00	$39.16	$1.96
Ensure order is successfully distributed to SOAC/SOP	3	1.000				3.00	$39.16	$1.96

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL (con't,								
Subtotal - INTERCONNECT SERVICE CENTER						11.00		$7.18
-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	$0.31
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 (manual orders)	10	0.050	0.042			0.02	$44.31	$0.02
Build and verify circuit design (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
Complete circuit in Work Force Administration - Control Module	5	1.000				5.00	$43.81	$3.65
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						10.00		$7.30
Total For Service:						50.02		$34.54

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.6.3 MESSAGE TRUNK GROUP, EACH ADDITIONAL - DS0 DIGITAL (con't,

16967	**Direct Cost**			$34.54
16968				
16969		**Cost**	**Cost**	
16970		**Calculation**	**Factor**	**Cost**
16971		**B C**	**D**	**E**
16972	***Marketing & Business Fees***			
16973	Product Management Expense	D16973*E16967	0.019957	$0.69
16974	Sales Expense	D16974*E16967	0.011877	$0.41
16975	Product Advertising Expense	D16975*E16967	0.000000	$0.00
16976	Business Fees (Other Operating Taxes)	D16976*Sum(E16967:E16975)	0.001483	$0.05
16977	***Total Marketing & Business Fees***	Sum(E16967:E16976)		$1.15
16978				
16979	***Sub-Total Direct Cost & Marketing***	E16967+E16977		$35.69
16980				
16981	***Other Direct Expenses***			
16982	Network Operations	D16982*E16979	0.034832	$1.24
16983	Network Support Assets	D16983*E16979	0.014703	$0.52
16984	General Support Assets	D16984*E16979	0.088742	$3.17
16985	General Purpose Computers	D16985*E16979	0.043342	$1.55
16986	Uncollectible	D16986*E16979	0.003786	$0.14
16987	Accounting & Finance Expense	D16987*E16979	0.007346	$0.26
16988	Human Resources Expense	D16988*E16979	0.008294	$0.30
16989	Information Management Expense	D16989*E16979	0.070887	$2.53
16990	Intangibles	D16990*E16979	0.000000	$0.00
16991	***Total Other Direct Expenses***	Sum(E16982:E16990)		$9.71
16992				
16993	***TELRIC***	E16982+E16991		$45.40
16994				
16995	***Common***			
16996	Executive Expense	D16996*E16993	0.011267	$0.51
16997	Planning Expense	D16997*E16993	0.000525	$0.02
16998	External Relations Expense	D16998*E16993	0.037846	$1.72
16999	Legal Expense	D16999*E16993	0.004717	$0.21
17000	Other Procurement Expense	D17000*E16993	0.001860	$0.08
17001	Research & Development Expense	D17001*E16993	0.000006	$0.00
17002	Other General and Admin Expense	D17002*E16993	0.015064	$0.68
17003	***Common Costs***	Sum(E16996:E17002)		$3.24
17004				
17005	***TELRIC + Common Costs***	E16993+E17003		$48.63

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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.								
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, provisioining 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**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't;								
-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
-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 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
Subtotal - CORAC/DISPATCH CENTER						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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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								
TABLE TRKGRP	35	1.000	0.340			11.90	$41.45	$8.22
TABLE TRKSGRP	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								
PRI interface group per D Channel	10	1.000	0.660			6.60	$41.45	$4.56
D Channel Trunk Group	35	1.000	0.660			23.10	$41.45	$15.96
Per B Channel Trunk Group	140	1.000	0.660			92.40	$41.45	$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	1.000	0.660			66.00	$41.45	$45.60
Per Route Index	30	1.000	0.660			19.80	$41.45	$13.68
Alternate RI for data	30	1.000	0.660			19.80	$41.45	$13.68
Subtotal - COMPLEX TRANSLATIONS - INPUT						**125.40**		**$86.63**
-RCMAC								
1st probability is % by switch type								
CALLING NUMBER IDENTIFICATION - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICAITON - DMS	1	0.340				0.34	$43.81	$0.25
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$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

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't,								
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
Subtotal - RCMAC						**15.10**		**$11.03**
DISCONNECT								
-INTERCONNECT SERVICE CENTER								
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)	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						**23.00**		**$15.01**
-DESIGN SERVICE CENTER - DESIGNER								
Prob #1 = % of time manual handling is required								
Order handling/screening	5	0.100				0.50	$44.31	$0.37
Generic Order Control order log	6	0.100				0.60	$44.31	$0.44
Enter Work Authorization 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 SERVICE CENTER - DESIGNER						**2.30**		**$1.70**
-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
Contact co-provider	5	0.042				0.21	$43.81	$0.15
Complete circuit in Work Force Administration - Control Module	5	0.042				0.21	$43.81	$0.15
Subtotal - DESIGN SERVICE CENTER - IMPLEMENTOR						**0.63**		**$0.46**
-CENTRAL OFFICE TECHNICIAN								
Prob #1 = occurrences								
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 order in Work Force Administration - Dispatch In Module	2	1.000				2.00	$43.81	$1.46
Subtotal - CENTRAL OFFICE TECHNICIAN						**9.30**		**$6.79**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	5	1.000	0.660			3.30	$41.45	$2.28
D Channel Trunk Group	5	1.000	0.660			3.30	$41.45	$2.28
Per B Channel Trunk Group	20	1.000	0.660			13.20	$41.45	$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								
CALLING NUMBER IDENTIFICATION - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICAITON - DMS	1	0.340				0.34	$43.81	$0.25
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - 5E	1	0.660				0.66	$43.81	$0.48
CALLING NUMBER IDENTIFICATION BLOCKING, ALL CALL, PER BRS - DMS	1	0.340				0.34	$43.81	$0.25
B CHANNEL CIRCUIT SWITCHED DATA - 5E	1	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:						651.90		$452.46

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

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ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.6.4 DS1 PRI ISDN TRUNK PORT (con't)

17237	**Direct Cost**				$452.46
17238					
17239		**Cost**		**Cost**	
17240		**Calculation**		**Factor**	**Cost**
17241		**B**	**C**	**D**	**E**
17242	***Marketing & Business Fees***				
17243	Product Management Expense	**D17243*E17237**		0.019957	$9.03
17244	Sales Expense	**D17244*E17237**		0.011877	$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)**			$15.10
17248					
17249	***Sub-Total Direct Cost & Marketing***	**E17237+E17247**			$467.55
17250					
17251	***Other Direct Expenses***				
17252	Network Operations	**D17252*E17249**		0.034832	$16.29
17253	Network Support Assets	**D17253*E17249**		0.014703	$6.87
17254	General Support Assets	**D17254*E17249**		0.088742	$41.49
17255	General Purpose Computers	**D17255*E17249**		0.043342	$20.26
17256	Uncollectible	**D17256*E17249**		0.003786	$1.77
17257	Accounting & Finance Expense	**D17257*E17249**		0.007346	$3.43
17258	Human Resources Expense	**D17258*E17249**		0.008294	$3.88
17259	Information Management Expense	**D17259*E17249**		0.070887	$33.14
17260	Intangibles	**D17260*E17249**		0.000000	$0.00
17261	***Total Other Direct Expenses***	**Sum(E17252:E17260)**			$127.14
17262					
17263	***TELRIC***	**E17252+E17261**			$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(E17266:E17272)**			$42.39
17274					
17275	***TELRIC + Common Costs***	**E17263+E17273**			$637.09

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	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	$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, provisioining 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 (.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)	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,								
Subtotal - DESIGN SERVICE CENTER - DESIGNER						**40.15**		**$29.65**
-DESIGN SERVICE CENTER - IMPLEMENTOR								
Prob #1 = occurrences								
Screen Work Force Authorization for circuit	5	1.000				5.00	$43.81	$3.65
Verify Local Network Operations for completion	5	1.000				5.00	$43.81	$3.65
Monitor performance testing	15	1.000				15.00	$43.81	$10.95
Nortify 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
Subtotal - CORAC/DISPATCH CENTER						**1.50**		**$0.94**
-CENTRAL OFFICE TECH								
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 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	$1.31
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)	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						**23.00**		**$15.01**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,								
-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**
-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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.12.1.6.1 UNBUNDLED DS1 DID TRUNK PORT FACILITY (con't,

		Cost Calculation		Cost Factor	Cost
17417	**Direct Cost**				$151.44
17418					
17419		Cost		Cost	
17420		Calculation		Factor	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		0.011877	$1.80
17425	Product Advertising Expense	D17425*E17417		0.000000	$0.00
17426	Business Fees (Other Operating Taxes)	D17426*Sum(E17417:E17425]		0.001483	$0.23
17427	***Total Marketing & Business Fees***	Sum(E17417:E17426)			$5.05
17428					
17429	***Sub-Total Direct Cost & Marketing***	E17417+E17427			$156.49
17430					
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	$0.59
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)			$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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST								
ADD								
-INTERCONNECT SERVICE CENTER								
Prob #1 = occurrence								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Validate Connecting Facility Arrangement, Network Channel/Network Channel Interface	2	1.000				2.00	$39.16	$1.31
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.								
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	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 SERVICE CENTER - DESIGNER						**1.39**		**$1.03**
-NROC - COMPLEX TRANSLATIONS - TRUNK GROUP								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Assign Trunk Group 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
Subtotal - NROC - COMPLEX TRANSLATIONS - TRUNK GROUP						**20.00**		**$13.82**
-NROC - COMPLEX TRANSLATIONS - ROUTE INDEX								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Assign Route Index	10	0.500				5.00	$41.45	$3.45

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST (con't)								
Subtotal - NROC - COMPLEX TRANSLATIONS - ROUTE INDEX						**5.00**		**$3.45**
-NROC - COMPLEX TRANSLATIONS - TESTING								
Prob #1 = .50 probability is % orders establishing a new trunk group								
Perform Test Call	5	0.500				2.50	$41.45	$1.73
Complete work item in work Force Administration - Dispatch In	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								
Analysis of request	5	1.000				5.00	$39.16	$3.26
Verify existing account activity	2	1.000				2.00	$39.16	$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 - INTERCONNECT SERVICE CENTER						**22.00**		**$14.36**
-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**
Total For Service:						**136.17**		**$90.21**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - 1ST (con't)

17552	**Direct Cost**				$90.21
17553					
17554		**Cost**		**Cost**	
17555		**Calculation**		**Factor**	**Cost**
17556		**B**	**C**	**D**	**E**
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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	10	0.500				5.00	$39.16	$3.26
Order completion	5	1.000				5.00	$39.16	$3.26
Check for Service Order Analysis & Control errors	5	1.000				5.00	$39.16	$3.26
Issue Service Order	3	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
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	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 - 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
Subtotal - INTERCONNECT SERVICE CENTER						13.00		$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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

9.11.5 UNBUNDLED (DS0) ANALOG TRUNK PORT - ADDITIONAL (con't)

		Cost Calculation	Cost Factor	Cost
		B C	D	E
17687	**Direct Cost**			$22.00
17688				
17689				
17690				
17691				
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	***TELRIC***	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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						**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**
Total For Service:						**240.00**		**$227.88**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOM ROUTING- OPERATOR, DA DEVELOPMENT PER LCC (con't)

		Cost Calculation		Cost Factor	Cost
17777	**Direct Cost**				$227.88
17778					
17779		Cost		Cost	
17780		Calculation		Factor	Cost
17781		B	C	D	E
17782	***Marketing & Business Fees***				
17783	Product Management Expense	D17783*E17777		0.019957	$4.55
17784	Sales Expense	D17784*E17777		0.011877	$2.71
17785	Product Advertising Expense	D17785*E17777		0.000000	$0.00
17786	Business Fees (Other Operating Taxes)	D17786*Sum(E17777:E17785)		0.001483	$0.35
17787	***Total Marketing & Business Fees***	Sum(E17777:E17786)			$7.60
17788					
17789	***Sub-Total Direct Cost & Marketing***	E17777+E17787			$235.48
17790					
17791	***Other Direct Expenses***				
17792	Network Operations	D17792*E17789		0.034832	$8.20
17793	Network Support Assets	D17793*E17789		0.014703	$3.46
17794	General Support Assets	D17794*E17789		0.088742	$20.90
17795	General Purpose Computers	D17795*E17789		0.043342	$10.21
17796	Uncollectible	D17796*E17789		0.003786	$0.89
17797	Accounting & Finance Expense	D17797*E17789		0.007346	$1.73
17798	Human Resources Expense	D17798*E17789		0.008294	$1.95
17799	Information Management Expense	D17799*E17789		0.070887	$16.69
17800	Intangibles	D17800*E17789		0.000000	$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		0.011267	$3.37
17807	Planning Expense	D17807*E17803		0.000525	$0.16
17808	External Relations Expense	D17808*E17803		0.037846	$11.34
17809	Legal Expense	D17809*E17803		0.004717	$1.41
17810	Other Procurement Expense	D17810*E17803		0.001860	$0.56
17811	Research & Development Expense	D17811*E17803		0.000006	$0.00
17812	Other General and Admin Expense	D17812*E17803		0.015064	$4.51
17813	***Common Costs***	Sum(E17806:E17812)			$21.35
17814					
17815	***TELRIC + Common Costs***	E17803+E17813			$320.87

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH								
ADD								
-ACCOUNT MANAGER								
ISSUE FORMS/COMPLEX TRANS	30	1.000				30.00	$56.97	$28.49
Subtotal - ACCOUNT MANAGER						**30.00**		**$28.49**
-COMPLEX TRANSLATIONS								
Probability weightings are the percent by switch type.								
PROV/TEST LCC DMS100	240	0.340				81.60	$41.45	$56.37
PROV/TEST LCC 5E,DMS10	180	0.660				118.80	$41.45	$82.07
Subtotal - COMPLEX TRANSLATIONS						**200.40**		**$138.44**
Total For Service:						**230.40**		**$166.93**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CUSTOM ROUTING- OPERATOR, DA INSTALLATION PER SWITCH (con't)

17867	**Direct Cost**				$166.93
17868					
17869		**Cost**		**Cost**	
17870		**Calculation**		**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
17878					
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 Expense	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 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
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	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 INTERLCA FACILITY OR OTHER M	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	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
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
Subtotal - DESIGN						**6.80**		**$5.02**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**		**$173.57**
-CENTRAL OFFICE FRAMES								
Work performed in STP office.								
ANALYZE ORDER	5	1.000				5.00	$43.81	$3.65
COMPLETE CROSS-CONNECT	4	1.000				4.00	$43.81	$2.92
COMPLETE ORDER IN WFA-DI	2	1.000				2.00	$43.81	$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	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						**35.00**		**$25.56**
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
.90 PROBABILITY IS MECHANICAL HANDLING								
.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	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	$1.33
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

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ENRC Version: 2.16
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Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CCSAC STP PORT (con't)								
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**
-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	5	0.100				0.50	$44.31	$0.37
DISTRIBUTE WORD DOC	2	0.050				0.10	$44.31	$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 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I H * (G/60)

CCSAC STP PORT (con't)

18047	**Direct Cost**				$289.05
18048					
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		0.011877	$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)			$9.64
18058					
18059	***Sub-Total Direct Cost & Marketing***	E18047+E18057			$298.69
18060					
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)			$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
18083	***Common Costs***	Sum(E18076:E18082)			$27.08
18084					
18085	***TELRIC + Common Costs***	E18073+E18083			$407.00

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
CCSAC OPTIONS BASIC 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 HANDLEC								
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	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 INTERLCA FACILITY OR OTHER M	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	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**
-TRANSLATIONS								
ACTIVATE POINT CODE	20	1.000				20.00	$41.45	$13.82
Subtotal - TRANSLATIONS						**20.00**		**$13.82**
DISCONNECT								
-SERVICE DELIVERY COORDINATOR								
.90 PROBABILITY IS MECHANICAL HANDLING								
.10 PROBABILITY IS MANUAL HANDLING								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
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Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	$1.33
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

CCSAC OPTIONS BASIC FIRST ACTIVATION PER ORDER (con't,

		Cost Calculation	Cost Factor	Cost
		B C	D	E
18182	**Direct Cost**			$82.94
18183				
18184				
18185				
18186				
18187	***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)		$2.77
18193				
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 Expense	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		$116.79

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CCSAC OPTIONS BASIC EACH ADDL ACTIVATION PER ORDER (con't

		Cost Calculation B	C	Cost Factor D	Cost E
18272	Direct Cost				$6.91
18273					
18274					
18275					
18276					
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
18292	Accounting & Finance Expense	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 Expense	D18302*E18298		0.000525	$0.00
18303	External Relations Expense	D18303*E18298		0.037846	$0.34
18304	Legal Expense	D18304*E18298		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
18308	***Common Costs***	Sum(E18301:E18307)			$0.65
18309					
18310	***TELRIC + Common Costs***	E18298+E18308			$9.73

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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 HANDLE								
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	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 INTERLCA FACILITY OR OTHER M	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	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**
-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								

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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	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	$1.33
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 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CCSAC OPTIONS DATABASE FIRST ACTIVATION PER ORDER (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
18407	**Direct Cost**				$96.78
18408					
18409					
18410					
18411					
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					
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)			$27.19
18432					
18433	***TELRIC***	E18422+E18431			$127.18
18434					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER								
ADD								
-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								
-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:						**60.00**		**$41.45**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

CCSAC OPTIONS DATABASE EA ADDL ACTIVATION PER ORDER (con't)

18497	**Direct Cost**				$41.45
18498					
18499		Cost		Cost	
18500		Calculation		Factor	Cost
18501		B	C	D	E
18502	***Marketing & Business Fees***				
18503	Product Management Expense	D18503*E18497		0.019957	$0.83
18504	Sales Expense	D18504*E18497		0.011877	$0.49
18505	Product Advertising Expense	D18505*E18497		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					
18509	***Sub-Total Direct Cost & Marketing***	E18497+E18507			$42.83
18510					
18511	***Other Direct Expenses***				
18512	Network Operations	D18512*E18509		0.034832	$1.49
18513	Network Support Assets	D18513*E18509		0.014703	$0.63
18514	General Support Assets	D18514*E18509		0.088742	$3.80
18515	General Purpose Computers	D18515*E18509		0.043342	$1.86
18516	Uncollectible	D18516*E18509		0.003786	$0.16
18517	Accounting & Finance Expense	D18517*E18509		0.007346	$0.31
18518	Human Resources Expense	D18518*E18509		0.008294	$0.36
18519	Information Management Expense	D18519*E18509		0.070887	$3.04
18520	Intangibles	D18520*E18509		0.000000	$0.00
18521	***Total Other Direct Expenses***	Sum(E18512:E18520)			$11.65
18522					
18523	***TELRIC***	E18512+E18521			$54.48
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	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
18534					
18535	***TELRIC + Common Costs***	E18523+E18533			$58.36

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
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Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL ENGINEERING - BASIC (PER HALF HOUR) (con't,

18587	**Direct Cost**				$22.97
18588					
18589		Cost		Cost	
18590		Calculation		Factor	Cost
18591		B	C	D	E
18592	***Marketing & Business Fees***				
18593	Product Management Expense	D18593*E18587		0.019957	$0.46
18594	Sales Expense	D18594*E18587		0.011877	$0.27
18595	Product Advertising Expense	D18595*E18587		0.000000	$0.00
18596	Business Fees (Other Operating Taxes)	D18596*Sum(E18587:E18595)		0.001483	$0.04
18597	***Total Marketing & Business Fees***	Sum(E18587:E18596)			$0.77
18598					
18599	***Sub-Total Direct Cost & Marketing***	E18587+E18597			$23.74
18600					
18601	***Other Direct Expenses***				
18602	Network Operations	D18602*E18599		0.034832	$0.83
18603	Network Support Assets	D18603*E18599		0.014703	$0.35
18604	General Support Assets	D18604*E18599		0.088742	$2.11
18605	General Purpose Computers	D18605*E18599		0.043342	$1.03
18606	Uncollectible	D18606*E18599		0.003786	$0.09
18607	Accounting & Finance Expense	D18607*E18599		0.007346	$0.17
18608	Human Resources Expense	D18608*E18599		0.008294	$0.20
18609	Information Management Expense	D18609*E18599		0.070887	$1.68
18610	Intangibles	D18610*E18599		0.000000	$0.00
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		0.011267	$0.34
18617	Planning Expense	D18617*E18613		0.000525	$0.02
18618	External Relations Expense	D18618*E18613		0.037846	$1.14
18619	Legal Expense	D18619*E18613		0.004717	$0.14
18620	Other Procurement Expense	D18620*E18613		0.001860	$0.06
18621	Research & Development Expense	D18621*E18613		0.000006	$0.00
18622	Other General and Admin Expense	D18622*E18613		0.015064	$0.45
18623	***Common Costs***	Sum(E18616:E18622)			$2.15
18624					
18625	***TELRIC + Common Costs***	E18613+E18623			$32.34

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL ENGINEERING - OVERTIME (PER HALF HOUR) (con't,

18677	**Direct Cost**				$28.41
18678					
18679		**Cost**		**Cost**	
18680		**Calculation**		**Factor**	**Cost**
18681		**B**	**C**	**D**	**E**
18682	***Marketing & Business Fees***				
18683	Product Management Expense	**D18683*E18677**		0.019957	$0.57
18684	Sales Expense	**D18684*E18677**		0.011877	$0.34
18685	Product Advertising Expense	**D18685*E18677**		0.000000	$0.00
18686	Business Fees (Other Operating Taxes)	**D18686*Sum(E18677:E18685)**		0.001483	$0.04
18687	***Total Marketing & Business Fees***	**Sum(E18677:E18686)**			$0.95
18688					
18689	***Sub-Total Direct Cost & Marketing***	**E18677+E18687**			$29.36
18690					
18691	***Other Direct Expenses***				
18692	Network Operations	**D18692*E18689**		0.034832	$1.02
18693	Network Support Assets	**D18693*E18689**		0.014703	$0.43
18694	General Support Assets	**D18694*E18689**		0.088742	$2.61
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	**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					
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
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**
Total For Service:						**0.00**		**$6.53**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL LABOR INSTALLATION - OVERTIME (PER HALF HOUR) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
18767	**Direct Cost**				$6.53
18768					
18769					
18770					
18771					
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**		0.000006	$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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**
Total For Service:						**0.00**		**$13.06**

CONTINUATION

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NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL LABOR INSTALLATION - PREMIUM (PER HALF HOUR) (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
18857	**Direct Cost**				$13.06
18858					
18859					
18860					
18861					
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	D18878*E18869		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
18882					
18883	***TELRIC***	E18872+E18881			$17.17
18884					
18885	***Common***				
18886	Executive Expense	D18886*E18883		0.011267	$0.19
18887	Planning Expense	D18887*E18883		0.000525	$0.01
18888	External Relations Expense	D18888*E18883		0.037846	$0.65
18889	Legal Expense	D18889*E18883		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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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					
18959	***Sub-Total Direct Cost & Marketing***	E18947+E18957			$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 Expense	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 Expense	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***	E18973+E18983			$28.19

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

ADDITIONAL LABOR OTHER - OVERTIME (PER HALF HOUR) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
19037	**Direct Cost**				$26.74
19038					
19039					
19040					
19041					
19042	***Marketing & Business Fees***				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR)								
ADD								
-INSTALL/MTCE. L50 (per half hour)								
MAINTENANCE OF SERVICE - PREMIUM								$33.47
Subtotal - INSTALL/MTCE. L50 (per half hour)						**0.00**		**$33.47**
Total For Service:						**0.00**		**$33.47**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL LABOR OTHER - PREMIUM (PER HALF HOUR) (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
19127	**Direct Cost**				$33.47
19128					
19129					
19130					
19131					
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	$0.05
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					
19153	***TELRIC***	E19142+E19151			$43.99
19154					
19155	***Common***				
19156	Executive Expense	D19156*E19153		0.011267	$0.50
19157	Planning Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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
Total For Service:						0.00		$21.27

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

TESTING AND MAINTENANCE - BASIC (PER HALF HOUR) (con't,

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
19217	**Direct Cost**				$21.27
19218					
19219					
19220					
19221					
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 Expense	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					
19255	***TELRIC + Common Costs***	E19243+E19253			$29.95

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**
Total For Service:						**0.00**		**$28.41**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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***				
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 Marketing & 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR)								
<u>*ADD*</u>								
<u>-C.O. MTCE. L40 (per half hour)</u>								
TESTING AND MAINTENANCE - PREMIUM								$35.55
Subtotal - C.O. MTCE. L40 (per half hour)						**0.00**		**$35.55**
Total For Service:						**0.00**		**$35.55**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)

TESTING AND MAINTENANCE - PREMIUM (PER HALF HOUR) (con't

19397	**Direct Cost**				$35.55
19398					
19399		**Cost**		**Cost**	
19400		**Calculation**		**Factor**	**Cost**
19401		**B**	**C**	**D**	**E**
19402	***Marketing & Business Fees***				
19403	Product Management Expense	**D19403*E19397**		0.019957	$0.71
19404	Sales Expense	**D19404*E19397**		0.011877	$0.42
19405	Product Advertising Expense	**D19405*E19397**		0.000000	$0.00
19406	Business Fees (Other Operating Taxes)	**D19406*Sum(E19397:E19405)**		0.001483	$0.05
19407	***Total Marketing & Business Fees***	**Sum(E19397:E19406)**			$1.19
19408					
19409	***Sub-Total Direct Cost & Marketing***	**E19397+E19407**			$36.74
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	**D19414*E19409**		0.088742	$3.26
19415	General Purpose Computers	**D19415*E19409**		0.043342	$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**		0.008294	$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					
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	**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					
19435	***TELRIC + Common Costs***	**E19423+E19433**			$50.06

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MAINTENANCE OF SERVICE - BASIC (PER HALF HOUR) (con't

		Cost Calculation B	C	Cost Factor D	Cost E
19487	**Direct Cost**				$20.02
19488					
19489					
19490					
19491					
19492	***Marketing & Business Fees***				
19493	Product Management Expense	D19493*E19487		0.019957	$0.40
19494	Sales Expense	D19494*E19487		0.011877	$0.24
19495	Product Advertising Expense	D19495*E19487		0.000000	$0.00
19496	Business Fees (Other Operating Taxes)	D19496*Sum(E19487:E19495)		0.001483	$0.03
19497	***Total Marketing & Business Fees***	Sum(E19487:E19496)			$0.67
19498					
19499	***Sub-Total Direct Cost & Marketing***	E19487+E19497			$20.69
19500					
19501	***Other Direct Expenses***				
19502	Network Operations	D19502*E19499		0.034832	$0.72
19503	Network Support Assets	D19503*E19499		0.014703	$0.30
19504	General Support Assets	D19504*E19499		0.088742	$1.84
19505	General Purpose Computers	D19505*E19499		0.043342	$0.90
19506	Uncollectible	D19506*E19499		0.003786	$0.08
19507	Accounting & Finance Expense	D19507*E19499		0.007346	$0.15
19508	Human Resources Expense	D19508*E19499		0.008294	$0.17
19509	Information Management Expense	D19509*E19499		0.070887	$1.47
19510	Intangibles	D19510*E19499		0.000000	$0.00
19511	***Total Other Direct Expenses***	Sum(E19502:E19510)			$5.63
19512					
19513	***TELRIC***	E19502+E19511			$26.31
19514					
19515	***Common***				
19516	Executive Expense	D19516*E19513		0.011267	$0.30
19517	Planning Expense	D19517*E19513		0.000525	$0.01
19518	External Relations Expense	D19518*E19513		0.037846	$1.00
19519	Legal Expense	D19519*E19513		0.004717	$0.12
19520	Other Procurement Expense	D19520*E19513		0.001860	$0.05
19521	Research & Development Expense	D19521*E19513		0.000006	$0.00
19522	Other General and Admin Expense	D19522*E19513		0.015064	$0.40
19523	***Common Costs***	Sum(E19516:E19522)			$1.88
19524					
19525	***TELRIC + Common Costs***	E19513+E19523			$28.19

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
MAINTENANCE OF SERVICE - 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MAINTENANCE OF SERVICE - OVERTIME (PER HALF HOUR) (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
19577	Direct Cost				$26.74
19578					
19579					
19580					
19581					
19582	***Marketing & Business Fees***				
19583	Product Management Expense	**D19583*E19577**		0.019957	$0.53
19584	Sales Expense	**D19584*E19577**		0.011877	$0.32
19585	Product Advertising Expense	**D19585*E19577**		0.000000	$0.00
19586	Business Fees (Other Operating Taxes)	**D19586*Sum(E19577:E19585)**		0.001483	$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**		0.034832	$0.96
19593	Network Support Assets	**D19593*E19589**		0.014703	$0.41
19594	General Support Assets	**D19594*E19589**		0.088742	$2.45
19595	General Purpose Computers	**D19595*E19589**		0.043342	$1.20
19596	Uncollectible	**D19596*E19589**		0.003786	$0.10
19597	Accounting & Finance Expense	**D19597*E19589**		0.007346	$0.20
19598	Human Resources Expense	**D19598*E19589**		0.008294	$0.23
19599	Information Management Expense	**D19599*E19589**		0.070887	$1.96
19600	Intangibles	**D19600*E19589**		0.000000	$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**		0.011267	$0.40
19607	Planning Expense	**D19607*E19603**		0.000525	$0.02
19608	External Relations Expense	**D19608*E19603**		0.037846	$1.33
19609	Legal Expense	**D19609*E19603**		0.004717	$0.17
19610	Other Procurement Expense	**D19610*E19603**		0.001860	$0.07
19611	Research & Development Expense	**D19611*E19603**		0.000006	$0.00
19612	Other General and Admin Expense	**D19612*E19603**		0.015064	$0.53
19613	***Common Costs***	**Sum(E19606:E19612)**			$2.51
19614					
19615	***TELRIC + Common Costs***	**E19603+E19613**			$37.65

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
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)						**0.00**		**$33.47**
Total For Service:						**0.00**		**$33.47**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MAINTENANCE OF SERVICE - PREMIUM (PER HALF HOUR) (con't,

19667	**Direct Cost**				$33.47
19668					
19669		Cost		Cost	
19670		Calculation		Factor	Cost
19671		B	C	D	E
19672	***Marketing & Business Fees***				
19673	Product Management Expense	D19673*E19667		0.019957	$0.67
19674	Sales Expense	D19674*E19667		0.011877	$0.40
19675	Product Advertising Expense	D19675*E19667		0.000000	$0.00
19676	Business Fees (Other Operating Taxes)	D19676*Sum(E19667:E19675)		0.001483	$0.05
19677	***Total Marketing & Business Fees***	Sum(E19667:E19676)			$1.12
19678					
19679	***Sub-Total Direct Cost & Marketing***	E19667+E19677			$34.59
19680					
19681	***Other Direct Expenses***				
19682	Network Operations	D19682*E19679		0.034832	$1.20
19683	Network Support Assets	D19683*E19679		0.014703	$0.51
19684	General Support Assets	D19684*E19679		0.088742	$3.07
19685	General Purpose Computers	D19685*E19679		0.043342	$1.50
19686	Uncollectible	D19686*E19679		0.003786	$0.13
19687	Accounting & Finance Expense	D19687*E19679		0.007346	$0.25
19688	Human Resources Expense	D19688*E19679		0.008294	$0.29
19689	Information Management Expense	D19689*E19679		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	D19700*E19693		0.001860	$0.08
19701	Research & Development Expense	D19701*E19693		0.000006	$0.00
19702	Other General and Admin Expense	D19702*E19693		0.015064	$0.66
19703	***Common Costs***	Sum(E19696:E19702)			$3.14
19704					
19705	***TELRIC + Common Costs***	E19693+E19703			$47.13

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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
Subtotal - C.O. MTCE. L40 (per half hour)						**0.00**		**$21.27**
Total For Service:						**0.00**		**$21.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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	D	E
19762	***Marketing & Business Fees***				
19763	Product Management Expense	D19763*E19757		0.019957	$0.42
19764	Sales Expense	D19764*E19757		0.011877	$0.25
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)			$0.71
19768					
19769	***Sub-Total Direct Cost & Marketing***	E19757+E19767			$21.98
19770					
19771	***Other Direct Expenses***				
19772	Network Operations	D19772*E19769		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	***Common***				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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		**Calculation**		**Factor**	**Cost**
19851		**B**	**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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL COOP ACCEPTANCE TESTING - PREMIUM (PER HALF HOUR) (con't,

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
19937	**Direct Cost**				$35.55
19938					
19939					
19940					
19941					
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 Costs***	E19963+E19973			$50.06

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

NONSCHEDULED COOP TESTING - BASIC (PER HALF HOUR) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
20027	**Direct Cost**				$21.27
20028					
20029					
20030					
20031					
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*E20039		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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
NONSHCEDULED COOP TESTING - OVERTIME (PER HALF HOUR)								
ADD								
-C.O. MTCE. L40 (per half hour)								
NONSCHEDULED COOP TESTING - OVERTIME								$28.41
Subtotal - C.O. MTCE. L40 (per half hour)						0.00		$28.41
Total For Service:						0.00		$28.41

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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 & Marketing***	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	Uncollectible	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR)								
<u>*ADD*</u>								
<u>-C.O. MTCE. L40 (per half hour)</u>								
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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

NONSCHEDULED COOP TESTING - PREMIUM (PER HALF HOUR) (con't,

20207	**Direct Cost**				$35.56
20208					
20209		**Cost**		**Cost**	
20210		**Calculation**		**Factor**	**Cost**
20211		**B**	**C**	**D**	**E**
20212	***Marketing & Business Fees***				
20213	Product Management Expense	**D20213*E20207**		0.019957	$0.71
20214	Sales Expense	**D20214*E20207**		0.011877	$0.42
20215	Product Advertising Expense	**D20215*E20207**		0.000000	$0.00
20216	Business Fees (Other Operating Taxes)	**D20216*Sum(E20207:E20215)**		0.001483	$0.05
20217	***Total Marketing & Business Fees***	**Sum(E20207:E20216)**			$1.19
20218					
20219	***Sub-Total Direct Cost & Marketing***	**E20207+E20217**			$36.74
20220					
20221	***Other Direct Expenses***				
20222	Network Operations	**D20222*E20219**		0.034832	$1.28
20223	Network Support Assets	**D20223*E20219**		0.014703	$0.54
20224	General Support Assets	**D20224*E20219**		0.088742	$3.26
20225	General Purpose Computers	**D20225*E20219**		0.043342	$1.59
20226	Uncollectible	**D20226*E20219**		0.003786	$0.14
20227	Accounting & Finance Expense	**D20227*E20219**		0.007346	$0.27
20228	Human Resources Expense	**D20228*E20219**		0.008294	$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***	**Sum(E20222:E20230)**			$9.99
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	**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					
20245	***TELRIC + Common Costs***	**E20233+E20243**			$50.06

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**		**$21.27**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)

NONSCHEDULED MANUAL TESTING - BASIC (PER HALF HOUR) (con't,

20297	**Direct Cost**					$21.27
20298						
20299		**Cost**		**Cost**		
20300		**Calculation**		**Factor**		**Cost**
20301		**B**	**C**	**D**		**E**
20302	***Marketing & Business Fees***					
20303	Product Management Expense	**D20303*E20297**		0.019957		$0.42
20304	Sales Expense	**D20304*E20297**		0.011877		$0.25
20305	Product Advertising Expense	**D20305*E20297**		0.000000		$0.00
20306	Business Fees (Other Operating Taxes)	**D20306*Sum(E20297:E20305)**		0.001483		$0.03
20307	***Total Marketing & Business Fees***	**Sum(E20297:E20306)**				$0.71
20308						
20309	***Sub-Total Direct Cost & Marketing***	**E20297+E20307**				$21.98
20310						
20311	***Other Direct Expenses***					
20312	Network Operations	**D20312*E20309**		0.034832		$0.77
20313	Network Support Assets	**D20313*E20309**		0.014703		$0.32
20314	General Support Assets	**D20314*E20309**		0.088742		$1.95
20315	General Purpose Computers	**D20315*E20309**		0.043342		$0.95
20316	Uncollectible	**D20316*E20309**		0.003786		$0.08
20317	Accounting & Finance Expense	**D20317*E20309**		0.007346		$0.16
20318	Human Resources Expense	**D20318*E20309**		0.008294		$0.18
20319	Information Management Expense	**D20319*E20309**		0.070887		$1.56
20320	Intangibles	**D20320*E20309**		0.000000		$0.00
20321	***Total Other Direct Expenses***	**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 Expense	**D20328*E20323**		0.037846		$1.06
20329	Legal Expense	**D20329*E20323**		0.004717		$0.13
20330	Other Procurement Expense	**D20330*E20323**		0.001860		$0.05
20331	Research & Development Expense	**D20331*E20323**		0.000006		$0.00
20332	Other General and Admin Expense	**D20332*E20323**		0.015064		$0.42
20333	***Common Costs***	**Sum(E20326:E20332)**				$1.99
20334						
20335	***TELRIC + Common Costs***	**E20323+E20333**				$29.95

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
NONSCHEDULED MANUAL TESTING - OVERTIME (PER HALF HOUR)								
ADD								
-C.O. MTCE. - L40 (per half hour)								
NONSCHEDULED MANUAL TESTING - OVERTIME								$28.41
Subtotal - C.O. MTCE. - L40 (per half hour)						**0.00**		**$28.41**
Total For Service:						**0.00**		**$28.41**

NONRECURRING COST DETAIL SUMMARY

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

NONSCHEDULED MANUAL TESTING - OVERTIME (PER HALF HOUR) (con't,

		Cost Calculation B	C	Cost Factor D	Cost E
20387	**Direct Cost**				$28.41
20388					
20389					
20390					
20391					
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					
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

NONRECURRING COST DETAIL SUMMARY

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 #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR)								
ADD								
-C.O. MTCE. - L40 (per half hour)								
NONSCHEDULED MANUAL TESTING - PREMIUM								$35.55
Subtotal - C.O. MTCE. - L40 (per half hour)						0.00		$35.55
Total For Service:						0.00		$35.55

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

NONSCHEDULED MANUAL TESTING - PREMIUM (PER HALF HOUR) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
20477	**Direct Cost**				$35.55
20478					
20479					
20480					
20481					
20482	***Marketing & Business Fees***				
20483	Product Management Expense	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					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						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***					
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 Expense	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***					
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			0.000006	$0.00
20602	Other General and Admin Expense	D20602*E20593			0.015064	$0.00
20603	***Common Costs***	Sum(E20596:E20602)				$0.01
20604						
20605	***TELRIC + Common Costs***	E20593+E20603				$0.08

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

COOPERATIVE SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH) (con't,

20657	**Direct Cost**				$0.06
20658					
20659		Cost Calculation		Cost Factor	Cost
20660					
20661		B	C	D	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

COOPERATIVE SCHEDULED TESTING - BALANCE (PER MONTH) (con't)

20747	**Direct Cost**				$0.24
20748					
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 Costs***	E20773+E20783			$0.34

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH)								
ADD								
-C.O. MTCE. - L40 (monthly cost)								
COOPERATIVE SCHEDULED TESTING - GAIN SLOPE								$0.06
Subtotal - C.O. MTCE. - L40 (monthly cost)						**0.00**		**$0.06**
Total For Service:						**0.00**		**$0.06**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)

COOPERATIVE SCHEDULED TESTING - GAIN SLOPE (PER MONTH) (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
20837	**Direct Cost**				$0.06
20838					
20839					
20840					
20841					
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	D20858*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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

COOPERATIVE SCHEDULED TESTING - C-NOTCHED NOISE (PER MONTH) (con't)

20927	**Direct Cost**				$0.06
20928					
20929		Cost Calculation		Cost Factor	Cost
20930					
20931		B	C	D	E
20932	***Marketing & Business Fees***				
20933	Product Management Expense	D20933*E20927		0.019957	$0.00
20934	Sales Expense	D20934*E20927		0.011877	$0.00
20935	Product Advertising Expense	D20935*E20927		0.000000	$0.00
20936	Business Fees (Other Operating Taxes)	D20936*Sum(E20927:E20935)		0.001483	$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		0.034832	$0.00
20943	Network Support Assets	D20943*E20939		0.014703	$0.00
20944	General Support Assets	D20944*E20939		0.088742	$0.01
20945	General Purpose Computers	D20945*E20939		0.043342	$0.00
20946	Uncollectible	D20946*E20939		0.003786	$0.00
20947	Accounting & Finance Expense	D20947*E20939		0.007346	$0.00
20948	Human Resources Expense	D20948*E20939		0.008294	$0.00
20949	Information Management Expense	D20949*E20939		0.070887	$0.00
20950	Intangibles	D20950*E20939		0.000000	$0.00
20951	***Total Other Direct Expenses***	Sum(E20942:E20950)			$0.02
20952					
20953	***TELRIC***	E20942+E20951			$0.08
20954					
20955	***Common***				
20956	Executive Expense	D20956*E20953		0.011267	$0.00
20957	Planning Expense	D20957*E20953		0.000525	$0.00
20958	External Relations Expense	D20958*E20953		0.037846	$0.00
20959	Legal Expense	D20959*E20953		0.004717	$0.00
20960	Other Procurement Expense	D20960*E20953		0.001860	$0.00
20961	Research & Development Expense	D20961*E20953		0.000006	$0.00
20962	Other General and Admin Expense	D20962*E20953		0.015064	$0.00
20963	***Common Costs***	Sum(E20956:E20962)			$0.01
20964					
20965	***TELRIC + Common Costs***	E20953+E20963			$0.08

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I H * (G/60)
MANUAL SCHEDULED TESTING - LOSS (PER MONTH)								
ADD								
-C.O. MTCE. - L40 (monthly cost)								
MANUAL SCHEDULED TESTING - LOSS								$0.12
Subtotal - C.O. MTCE. - L40 (monthly cost)						**0.00**		**$0.12**
Total For Service:						**0.00**		**$0.12**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MANUAL SCHEDULED TESTING - LOSS (PER MONTH) (con't)

21017	**Direct Cost**			$0.12
21018				
21019		Cost	Cost	
21020		Calculation	Factor	Cost
21021		B C	D	E
21022	***Marketing & Business Fees***			
21023	Product Management Expense	D21023*E21017	0.019957	$0.00
21024	Sales Expense	D21024*E21017	0.011877	$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)		$0.00
21028				
21029	***Sub-Total Direct Cost & Marketing***	E21017+E21027		$0.12
21030				
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				
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MANUAL SCHEDULED TESTING - C-MESSAGE NOISE (PER MONTH) (con't,

21107 **Direct Cost**				$0.12
21108				
21109	Cost		Cost	
21110	Calculation		Factor	Cost
21111	B	C	D	E
21112 ***Marketing & 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 Costs***	**E21133+E21143**			$0.17

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MANUAL SCHEDULED TESTING - BALANCE (PER MONTH) (con't,

21197	**Direct Cost**				$0.48
21198					
21199		**Cost**		**Cost**	
21200		**Calculation**		**Factor**	**Cost**
21201		**B**	**C**	**D**	**E**
21202	***Marketing & Business Fees***				
21203	Product Management Expense	**D21203*E21197**		0.019957	$0.01
21204	Sales Expense	**D21204*E21197**		0.011877	$0.01
21205	Product Advertising Expense	**D21205*E21197**		0.000000	$0.00
21206	Business Fees (Other Operating Taxes)	**D21206*Sum(E21197:E21205)**		0.001483	$0.00
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**		0.034832	$0.02
21213	Network Support Assets	**D21213*E21209**		0.014703	$0.01
21214	General Support Assets	**D21214*E21209**		0.088742	$0.04
21215	General Purpose Computers	**D21215*E21209**		0.043342	$0.02
21216	Uncollectible	**D21216*E21209**		0.003786	$0.00
21217	Accounting & Finance Expense	**D21217*E21209**		0.007346	$0.00
21218	Human Resources Expense	**D21218*E21209**		0.008294	$0.00
21219	Information Management Expense	**D21219*E21209**		0.070887	$0.04
21220	Intangibles	**D21220*E21209**		0.000000	$0.00
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**		0.011267	$0.01
21227	Planning Expense	**D21227*E21223**		0.000525	$0.00
21228	External Relations Expense	**D21228*E21223**		0.037846	$0.02
21229	Legal Expense	**D21229*E21223**		0.004717	$0.00
21230	Other Procurement Expense	**D21230*E21223**		0.001860	$0.00
21231	Research & Development Expense	**D21231*E21223**		0.000006	$0.00
21232	Other General and Admin Expense	**D21232*E21223**		0.015064	$0.01
21233	***Common Costs***	**Sum(E21226:E21232)**			$0.04
21234					
21235	***TELRIC + Common Costs***	**E21223+E21233**			$0.68

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

MANUAL SCHEDULED TESTING - GAIN SLOPE (PER MONTH) (con't)

21287	**Direct Cost**				$0.12
21288					
21289		Cost		Cost	
21290		Calculation		Factor	Cost
21291		B	C	D	E
21292	***Marketing & Business Fees***				
21293	Product Management Expense	D21293*E21287		0.019957	$0.00
21294	Sales Expense	D21294*E21287		0.011877	$0.00
21295	Product Advertising Expense	D21295*E21287		0.000000	$0.00
21296	Business Fees (Other Operating Taxes)	D21296*Sum(E21287:E21295)		0.001483	$0.00
21297	***Total Marketing & Business Fees***	Sum(E21287:E21296)			$0.00
21298					
21299	***Sub-Total Direct Cost & Marketing***	E21287+E21297			$0.12
21300					
21301	***Other Direct Expenses***				
21302	Network Operations	D21302*E21299		0.034832	$0.00
21303	Network Support Assets	D21303*E21299		0.014703	$0.00
21304	General Support Assets	D21304*E21299		0.068742	$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			$0.16
21314					
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	$0.01
21319	Legal Expense	D21319*E21313		0.004717	$0.00
21320	Other Procurement Expense	D21320*E21313		0.001860	$0.00
21321	Research & Development Expense	D21321*E21313		0.000006	$0.00
21322	Other General and Admin Expense	D21322*E21313		0.015064	$0.00
21323	***Common Costs***	Sum(E21316:E21322)			$0.01
21324					
21325	***TELRIC + Common Costs***	E21313+E21323			$0.17

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ADDITIONAL DISPATCH CHARGE								
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 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 INTERLCA FACILITY OR OTHER M/	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
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 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	2	1.000				2.00	$40.03	$1.33
Subtotal - SERVICE DELIVERY COORDINATOR						51.25		$34.19
-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
-INSTALL								
TRAVEL TIME	21	1.000				21.00	$42.68	$14.94
LOCATE CUST CONTACT	10	1.000				10.00	$42.68	$7.11

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
ADDITIONAL DISPATCH CHARGE (con't,								
DISCUSS ORDER WITH CUST	5	1.000				5.00	$42.68	$3.56
INFORM CENTER OF CNR	5	1.000				5.00	$42.68	$3.56
WAIT FOR CENTER VERIFICATION	10	1.000				10.00	$42.68	$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 IMPLEMENTOF						**15.00**		**$10.95**
Total For Service:						**127.25**		**$87.72**

NONRECURRING COST DETAIL SUMMARY

ENRC Version: 2.16
Date: 06/03/02

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

ADDITIONAL DISPATCH CHARGE (con't,

21512	**Direct Cost**				$87.72
21513					
21514		**Cost**		**Cost**	
21515		**Calculation**		**Factor**	**Cost**
21516		**B**	**C**	**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-Total 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					
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					
21550	***TELRIC + Common Costs***	**E21538+E21548**			$123.51

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

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 HANDLEL

Work Item A	*Time Minutes* B	*Prob #1* C	*Prob #2* D	*Prob #3* E	*Prob #4* F	*Applied Time (Minutes)* G B * (C Thru F)	*Labor /Hour* H	*Cost* I H * (G/60)
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				2.00	$40.03	$1.33
MANUALLY CALCULATE CHARGES IF THE SERVICE IS INTERLCA FACILITY OR OTHER M/	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
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 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	2	1.000				2.00	$40.03	$1.33
Subtotal - SERVICE DELIVERY COORDINATOR						**51.25**		**$34.19**
Total For Service:						**51.25**		**$34.19**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DATE CHANGE (con't)

21602	Direct Cost				$34.19
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 & Marketing***	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I H * (G/60)
DESIGN 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 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 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 INTERLCA FACILITY OR OTHER M/	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
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 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	2	1.000				2.00	$40.03	$1.33
Subtotal - SERVICE DELIVERY COORDINATOR						51.25		$34.19
-DESIGN								
Work is 100% manual								
NAME AND LOG FACILITY	35	1.000				35.00	$44.31	$25.85
BUILD DRI AND WA	6	1.000				6.00	$44.31	$4.43
BUILD CIRCUIT DESIGN	10	1.000				10.00	$44.31	$7.39
CXRH & DISTRIBUTE DOC	4	1.000				4.00	$44.31	$2.95
Subtotal - DESIGN						55.00		$40.62
Total For Service:						106.25		$74.81

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

DESIGN CHANGE (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
21692	**Direct Cost**				$74.81
21693					
21694					
21695					
21696					
21697	***Marketing & Business Fees***				
21698	Product Management Expense	D21698*E21692		0.019957	$1.49
21699	Sales Expense	D21699*E21692		0.011877	$0.89
21700	Product Advertising Expense	D21700*E21692		0.000000	$0.00
21701	Business Fees (Other Operating Taxes)	D21701*Sum(E21692:E21700)		0.001483	$0.11
21702	***Total Marketing & Business Fees***	Sum(E21692:E21701)			$2.50
21703					
21704	***Sub-Total Direct Cost & Marketing***	E21692+E21702			$77.31
21705					
21706	***Other Direct Expenses***				
21707	Network Operations	D21707*E21704		0.034832	$2.69
21708	Network Support Assets	D21708*E21704		0.014703	$1.14
21709	General Support Assets	D21709*E21704		0.088742	$6.86
21710	General Purpose Computers	D21710*E21704		0.043342	$3.35
21711	Uncollectible	D21711*E21704		0.003786	$0.29
21712	Accounting & Finance Expense	D21712*E21704		0.007346	$0.57
21713	Human Resources Expense	D21713*E21704		0.008294	$0.64
21714	Information Management Expense	D21714*E21704		0.070887	$5.48
21715	Intangibles	D21715*E21704		0.000000	$0.00
21716	***Total Other Direct Expenses***	Sum(E21707:E21715)			$21.02
21717					
21718	***TELRIC***	E21707+E21716			$98.33
21719					
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	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					
21730	***TELRIC + Common Costs***	E21718+E21728			$105.34

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	*Time Minutes*	*Prob #1*	*Prob #2*	*Prob #3*	*Prob #4*	*Applied Time (Minutes)*	*Labor /Hour*	*Cost*
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MECHANIZED EXISTING SERVICE (con't;

		Cost Calculation		Cost Factor	Cost
		B	C	D	E
21782	**Direct Cost**				$0.49
21783					
21784					
21785					
21786					
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 Expense	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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I H * (G/60)
UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MECHANIZED EXISTING SERVICE								
ADD								
-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**
Total For Service:						**0.15**		**$0.10**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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					
21874		**Cost**		**Cost**	
21875		**Calculation**		**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 Expense	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***				
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	D21906*E21898		0.000006	$0.00
21907	Other General and Admin Expense	D21907*E21898		0.015064	$0.00
21908	***Common Costs***	Sum(E21901:E21907)			$0.01
21909					
21910	***TELRIC + Common Costs***	E21898+E21908			$0.14

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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						**18.00**		**$11.75**
Total For Service:						**18.00**		**$11.75**

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G	Labor /Hour H	Cost I
						B * (C Thru F)		H * (G/60)

UNE-P POTS, CENTREX, PAL, ANALOG PBX FIRST MANUAL EXISTING SERVICE (con't)

		Cost Calculation B	C	Cost Factor D	Cost E
21962	**Direct Cost**				$11.75
21963					
21964					
21965					
21966					
21967	***Marketing & Business Fees***				
21968	Product Management Expense	D21968*E21962		0.019957	$0.23
21969	Sales Expense	D21969*E21962		0.011877	$0.14
21970	Product Advertising Expense	D21970*E21962		0.000000	$0.00
21971	Business Fees (Other Operating Taxes)	D21971*Sum(E21962:E21970)		0.001483	$0.02
21972	***Total Marketing & Business Fees***	Sum(E21962:E21971)			$0.39
21973					
21974	***Sub-Total Direct Cost & Marketing***	E21962+E21972			$12.14
21975					
21976	***Other Direct Expenses***				
21977	Network Operations	D21977*E21974		0.034832	$0.42
21978	Network Support Assets	D21978*E21974		0.014703	$0.18
21979	General Support Assets	D21979*E21974		0.088742	$1.08
21980	General Purpose Computers	D21980*E21974		0.043342	$0.53
21981	Uncollectible	D21981*E21974		0.003786	$0.05
21982	Accounting & Finance Expense	D21982*E21974		0.007346	$0.09
21983	Human Resources Expense	D21983*E21974		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	***TELRIC***	E21977+E21986			$15.44
21989					
21990	***Common***				
21991	Executive Expense	D21991*E21988		0.011267	$0.17
21992	Planning Expense	D21992*E21988		0.000525	$0.01
21993	External Relations Expense	D21993*E21988		0.037846	$0.58
21994	Legal Expense	D21994*E21988		0.004717	$0.07
21995	Other Procurement Expense	D21995*E21988		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(E21991:E21997)			$1.10
21999					
22000	***TELRIC + Common Costs***	E21988+E21998			$16.54

NONRECURRING COST DETAIL SUMMARY

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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:						**3.00**		**$1.96**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UNE-P POTS, CENTREX, PAL, ANALOG PBX EA ADDL MANUAL EXISTING SERVICE (con't)

22052	**Direct Cost**				$1.96
22053					
22054		Cost Calculation		Cost Factor	Cost
22055					
22056		B	C	D	E
22057	***Marketing & Business Fees***				
22058	Product Management Expense	D22058*E22052		0.019957	$0.04
22059	Sales Expense	D22059*E22052		0.011877	$0.02
22060	Product Advertising Expense	D22060*E22052		0.000000	$0.00
22061	Business Fees (Other Operating Taxes)	D22061*Sum(E22052:E22060)		0.001483	$0.00
22062	***Total Marketing & Business Fees***	Sum(E22052:E22061)			$0.07
22063					
22064	***Sub-Total Direct Cost & Marketing***	E22052+E22062			$2.02
22065					
22066	***Other Direct Expenses***				
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
22072	Accounting & Finance Expense	D22072*E22064		0.007346	$0.01
22073	Human Resources Expense	D22073*E22064		0.008294	$0.02
22074	Information Management Expense	D22074*E22064		0.070887	$0.14
22075	Intangibles	D22075*E22064		0.000000	$0.00
22076	***Total Other Direct Expenses***	Sum(E22067:E22075)			$0.55
22077					
22078	***TELRIC***	E22067+E22076			$2.57
22079					
22080	***Common***				
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		0.004717	$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
22089					
22090	***TELRIC + Common Costs***	E22078+E22088			$2.76

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor Hour H	Cost I 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	$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 directory advertising	1	1.000				1.00	$40.03	$0.67
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						**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	$44.31	$2.22
Subtotal - SERVICE DESIGN CENTER - IMPLEMENTOR						**5.00**		**$3.69**
Total For Service:						**31.50**		**$21.37**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UNE-P PBX DID TRUNKS EXISTING SERVICE (con't

		Cost Calculation B	C	Cost Factor D	Cost E
22142	**Direct Cost**				$21.37
22143					
22144					
22145					
22146					
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					
22180	***TELRIC + Common Costs***	E22168+E22178			$30.09

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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 provisioninc	3	1.000				3.00	$40.03	$2.00
Subtotal - INTERCONNECT SERVICE CENTEF						**3.00**		**$2.00**
Total For Service:						**3.00**		**$2.00**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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	$0.00
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eorlatti
Product Group: Interconnection

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)
UNE-P ISDN BRI EXISTING SERVICE FIRST								
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
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 dat	2	1.000				2.00	$40.03	$1.33
Verify Qwest end user Customer Service Record if order issuance applicable to this produc	2	1.000				2.00	$40.03	$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 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 accoun	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 provisionin	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisionin	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**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						B * (C Thru F)		H * (G/60)

UNE-P ISDN BRI EXISTING SERVICE FIRST (con't,

22322	**Direct Cost**				$22.71
22323					
22324		Cost		Cost	
22325		Calculation		Factor	Cost
22326		B	C	D	E
22327	***Marketing & Business Fees***				
22328	Product Management Expense	D22328*E22322		0.019957	$0.45
22329	Sales Expense	D22329*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 Marketing & Business Fees***	Sum(E22322:E22331)			$0.76
22333					
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		0.043342	$1.02
22341	Uncollectible	D22341*E22334		0.003786	$0.09
22342	Accounting & Finance Expense	D22342*E22334		0.007346	$0.17
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					
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
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
22359					
22360	***TELRIC + Common Costs***	E22348+E22358			$31.97

State: South Dakota

Work Item A	Time Minutes B	Prob #1 C	Prob #2 D	Prob #3 E	Prob #4 F	Applied Time (Minutes) G B * (C Thru F)	Labor /Hour H	Cost I 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 provisioninç	3	1.000				3.00	$40.03	$2.00
Subtotal - INTERCONNECT SERVICE CENTEF						**3.00**		**$2.00**
Total For Service:						**3.00**		**$2.00**

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

ENRC Version: 2.16
Date: 06/03/02

State: South Dakota

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G	H	I
						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 Marketing & Business Fees***	Sum(E22412:E22421)			$0.07
22423					
22424	***Sub-Total Direct Cost & Marketing***	E22412+E22422			$2.07
22425					
22426	***Other Direct Expenses***				
22427	Network Operations	D22427*E22424		0.034832	$0.07
22428	Network Support Assets	D22428*E22424		0.014703	$0.03
22429	General Support Assets	D22429*E22424		0.088742	$0.18
22430	General Purpose Computers	D22430*E22424		0.043342	$0.09
22431	Uncollectible	D22431*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					
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

NONRECURRING COST DETAIL SUMMARY

Study Name: NONRECURRING ELEMENTS
Study Year: 2002
Analyst: Deffley/Eoriatti
Product Group: Interconnection

State: South Dakota

ENRC Version: 2.16
Date: 06/03/02

Work Item	Time Minutes	Prob #1	Prob #2	Prob #3	Prob #4	Applied Time (Minutes)	Labor /Hour	Cost
A	B	C	D	E	F	G B * (C Thru F)	H	I 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 produc	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 accoun	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 provisionin	10	1.000				10.00	$40.03	$6.67
Ensure order is successfully distributed to the systems and is ready for provisionin	3	1.000				3.00	$40.03	$2.00
Subtotal - INTERCONNECT SERVICE CENTER						**25.50**		**$17.01**
-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**