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SOUTH DAKOTA PUBLIC
UTILITIES COMMISSION

UNITED STATES DISTRICT COURT
DISTRICT OF SOUTH DAKOTA
CENTRAL DIVISION

Verizon Wireless (VAW) LLC,
CommNet Cellular License Holding, LLC,
Missouri Valley Cellular, Inc.,
Sanborn Cellular, Inc., and
Eastern South Dakota Cellular, Inc.,
d/b/a VERIZON WIRELESS,

Plaintiff,

vs.

Bob Sahr, Gary Hanson, and Dustin Johnson,
in their official capacities as the
Commissioners of the South Dakota Public
Utilities Commission,

Defendant,

South Dakota Telecommunications Ass'n and
Venture Communications Cooperative,

Intervenors.

Civil Number 04-3014

**PLAINTIFF VERIZON WIRELESS'
SUPPLEMENTAL ANSWERS TO
INTERVENORS' AND DEFENDANT'S
FIRST SET OF INTERROGATORIES**

TO: South Dakota Telecommunications Association and Venture Communications Cooperative (collectively "Intervenors") and Defendants Bob Sahr, Gary Hanson, and Dustin Johnson in their official capacities as the Commissioners of the South Dakota Public Utilities Commission and their attorneys of record, Darla Pollman Rogers and Rolayne Ailts Wiest:

Verizon Wireless (VAW) LLC, CommNet Cellular License Holding, LLC, Missouri Valley Cellular, Inc., Sanborn Cellular, Inc., and Eastern South Dakota Cellular, Inc., d/b/a VERIZON WIRELESS ("Verizon Wireless") hereby supplements their answers to Intervenors' and Defendant's First Set of Interrogatories as follows:

INTERROGATORIES

1. Identify all experts retained or consulted by you, including employees who may provide expert testimony, that are likely to be called to testify by you with respect to this litigation, and specify the following:
 - a. His or her experience and qualifications as an expert;
 - b. The date you retained him/her as an expert;
 - c. The purpose for which you retained him/her as an expert (e.g., whether for trial or otherwise);
 - d. The identity of any documents prepared by him/her for you;
 - e. The subject matter upon which the expert is expected to testify;
 - f. The substance of the facts and opinions to which the expert is expected to testify; and
 - g. A summary of the grounds of each opinion.

SUPPLEMENTAL ANSWER:

Mr. Jeff Harmon has retired from the company, and further testimony on this issues previously addressed by Mr. Harmon will be provided by Chris Kostenbader

a. Mr. Kostenbader has held numerous technical positions in the telecommunications industry over the past 35 years. He has served as Senior Member of Technical Staff in the Network Planning Department since 2000 when Verizon Wireless was formed. His job responsibilities include all aspects of planning the entire nationwide Verizon Wireless SS7 network including, but not limited to: planning the configuration, growth and evolution of the Verizon Wireless SS7 network architecture; managing interconnection arrangements for both internal and external SS7 network interconnections; and interacting with SS7 vendors and switch manufacturers with regard to hardware and software to provide required features and capabilities in the Verizon Wireless SS7 network.

In August 1989 Mr. Kostenbader began working in the Network Department of Bell Atlantic Mobile where his initial responsibilities included design and implementation of the entire facilities network and all inter-carrier interconnections. He supported Modified Final Judgment (MFJ) Compliance prior to the 1996 Telecommunications Act for the entire Bell Atlantic Mobile network, including responsibility for the Bell Atlantic Mobile Equal Access Provisioning Plan. He also negotiated interconnection agreements with local telephone companies and inter-exchange carriers. Following the Bell Atlantic Mobile / NYNEX Mobile merger in 1995 his responsibilities expanded to include i) network architecture planning and technical support for SS7 and Local Number Portability network equipment, facilities and inter-carrier interconnection, ii) wireless E911 interconnection for all of the Bell Atlantic NYNEX Mobile operating regions, iii) planning and design of the companywide long distance network, and iv) representing Bell Atlantic NYNEX Mobile interests in telecommunications interconnection and numbering issues at ATIS, CTIA, FCC and State Commission meetings.

From June 1971 until August 1989 Mr. Kostenbader worked for Bell of Pennsylvania, a Bell System Company prior to the AT&T Divestiture. During his 18 years at Bell of Pennsylvania, he held many technical positions in Facilities Engineering, Traffic Engineering, and both Current and Long Range Network Planning, where he performed detailed studies and made recommendations for local and toll switch modernization and replacements, fiber optic facility deployments, SS7 STP deployments, Local Access Transport Area (LATA) network compliance and switched network access architecture planning, and served as the Bell of Pennsylvania representative on the Engineering Committee of the Pennsylvania Telephone Association (PTA) after the AT&T Divestiture.

b. Mr. Kostenbader was not retained as an expert. He is an employee of Verizon Wireless.

c. Mr. Kostenbader was not retained as an expert.

d. Verizon Wireless objects to this subpart to the extent it seeks information protected by the attorney-client privilege or the work product doctrine. Verizon Wireless further objects to this request to the extent it seeks documents prepared by Mr. Kostenbader but which do not relate to the expert testimony he is expected to provide. Subject to that objection and without waiver thereof, the only document Mr. Kostenbader has prepared for the company that relate to his expert testimony is a summary of his background, which has been incorporated into the response to subpart a) above.

e. Mr. Kostenbader is expected to provide testimony within the scope of Federal Rule of Evidence 702 that in his opinion, current industry standards do not require wireless telecommunications carriers to provide signaling information with calls that will identify whether a call is intraMTA, interMTA and interstate, or interMTA and intrastate. Mr. Kostenbader will testify to those facts and opinions contained within Mr. Harmon's affidavit filed in this case.

f. The facts that will support Mr. Kostenbader's opinion include the following:

Wireless carriers, including Verizon Wireless, generally do not have the capability of determining on a real time basis whether a call is intraMTA, interMTA and interstate, or interMTA and intrastate. The industry standards for populating SS7 fields have been developed through the Alliance for Telecommunications Industry Solutions ("ATIS") Network Interconnection Interoperability Forum ("NIIF"). ATIS is a technical planning and standards development organization, and its membership includes large and small LECs, long distance

carriers, wireless carriers, and equipment vendors. Approved ATIS standards are considered to be industry standards. On December 15, 2004, the NIIF released a standards document that includes, among other things, rules on how wireless carriers are to populate the JIP field. ATIS-0300011, *Network Interconnection Interoperability (NIIF) Reference Document, Part III, Installation and Maintenance Responsibilities for SS7 Links and Trunks*, p. 21. These rules provide that the JIP should be populated "where technically feasible" with an NPA-NXX that is assigned in the LERG to the originating mobile switching center "MSC."

2. Identify each person you expect to call as a non-expert witness and for each non-expert witness, please state the facts to which you expect each non-expert to testify.

SUPPLEMENTAL ANSWER:

Chris D. Kostenbader
Senior Member of Technical Staff
Verizon Wireless
126 W Gemini Drive
Tempe AZ 85283
Office: 480-777-4337

Mr. Kostenbader will testify that a commonly accepted industry standard protocol for delivering signaling information between telecommunications service providers is referred to as Signaling System 7 or "SS7." SS7 is the most common intercarrier signaling protocol used in the industry. He will testify that Verizon Wireless utilizes SS7 in nearly all of its South Dakota network and throughout its service territory. SS7 is a method of sending messages that include certain information captured by the originating carrier and necessary to establish the voice path that will allow the call to be completed. SS7 messages are delivered on a physically separate network from the calls themselves.

Mr. Kostenbader will testify that because Verizon Wireless operates some cell towers that serve across MTA and/or state boundaries, Verizon Wireless could identify the MTA or

state in which the call originates only by determining the physical location of the caller at the time the call is made. Verizon Wireless today is not capable of determining the MTA or state of origin for such calls for intercarrier compensation or SS7 purposes.

AS TO ANSWERS:

VERIFICATION

Chris D. Kostenbader, being duly sworn, deposes and says:

I am the Senior Member of Technical Staff for Verizon Wireless. I have read the foregoing Supplemental Answers To Intervenors' And Defendant's First Set Of Interrogatories. This document was prepared with the assistance and advice of counsel and the assistance of employees and representatives of Verizon Wireless. The responses and answers set forth herein, subject to inadvertent or undiscovered errors, are based on and therefore necessarily limited by the records and information still in existence, presented or recollected and thus far discovered in the course of the preparation of these answers. Consequently, Verizon Wireless reserves the right to make any changes in the answers if it appears at any time that omission or errors have been made therein or that more accurate information is available. Subject to the limitations set forth herein, these responses are true to the best of my own knowledge, information and belief.

Verizon Wireless

By

A handwritten signature in black ink, appearing to read "Chris D. Kostenbader", is written over a horizontal line. The signature is stylized and cursive.

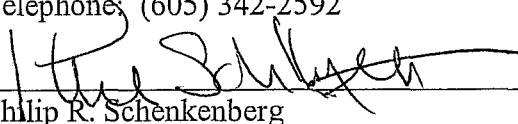
Dated: October 6, 2006.

AS TO OBJECTIONS:

Dated: October 6, 2006.

**LYNN, JACKSON, SHULTZ &
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