Exhibit No.:

Issue: Telephone Specific Witness: William L. Voight

Sponsoring Party: MO PSC Staff
Type of Exhibit: Direct Testimony

Case No.: TE-2006-0053

Date Testimony Prepared: March 24, 2006

MISSOURI PUBLIC SERVICE COMMISSION UTILITY OPERATIONS DIVISION

DIRECT TESTIMONY

OF

WILLIAM L. VOIGHT

AT&T MISSOURI

CASE NO. TE-2006-0053

Jefferson City, Missouri March 24, 2006

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of the Request of Southwestern Bell Telephone, L.P., d/b/a AT&T Missouri, for a Waiver of Certain Requirements of 4 CSR 240-29.040(4).)	Case No. TE-2006-0053
AFFIDAVIT OF W	ILLIAM L.	VOIGHT

STATE OF MISSOURI) s
COUNTY OF COLE)

William L. Voight, of lawful age, on his oath states: that he has participated in the preparation of the following Direct Testimony in question and answer form, consisting of ______ pages of Direct Testimony to be presented in the above case, that the answers in the following Direct Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.

William L. Voight

Bui Vost

Subscribed and sworn to before me this 23 day of March, 2006.

Notary Public

My commission expires

CARLA K. SCHNIEDERS
Notary Public - Notary Seal
State of Missouri
County of Cole
My Commission Exp. 06/07/2008

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DIRECT TESTIMONY

OF

WILLIAM L. VOIGHT

AT&T MISSOURI

CASE NO. TE-2006-0053

- Q. Please state your name and give your business address.
- A. My name is William L. Voight and my business address is P.O. Box 360, 200 Madison Street, Jefferson City, Missouri 65102.

Q. By whom are you employed and in what capacity?

I am employed by the Missouri Public Service Commission as a A. I have general supervisory supervisor in the Telecommunications Department. responsibility for staff recommendations pertaining to tariff filings, interconnection agreements, and telephone company mergers and acquisitions. In conjunction with other staff persons, I provide staff recommendations on a wide variety of other matters before the Commission including rule makings, complaints filed with the Commission, and Commission comments to the Federal Communication Commission (FCC). My duties have also involved participation as a member of the Commission's Arbitration Advisory Staff, which is comprised of subject matter experts who assist an arbitrator in interconnection and compensation disputes involving the Federal Telecommunications Act of 1996. Lastly, I participate in and coordinate special projects, as assigned by management. Examples of special projects include Case No. TW-2004-0324, a Study of Voice over Internet Protocol in Missouri, and Case No. TW-2004-0471, a Commissionappointed Task Force to study expanded local calling in Missouri. As necessary and

appropriate, I also provide assistance to the Commission, upper management, and members of the General Assembly on legislative matters.

Q. What is your education and previous work experience?

A. I received a Bachelor of Science degree with a major in economics from Lincoln University in Jefferson City, Missouri. A copy of relevant work history is attached as Schedule 1.

Q. Have you previously testified before the Commission?

A. Yes, a list of cases where I have served as a witness by providing testimony is attached as Schedule 2.

Q. What is the purpose of your Direct Testimony?

A. My testimony addresses what has been identified as the sole issue in the first phase of this case. Namely: Does Commission Rule 4 CSR 240-29.040(4) require the originating tandem carrier to include the Calling Party Number (CPN) as part of the Category 11-01-XX billing record that it provides for wireless-originated calls that transit the LEC-to-LEC network and terminate to other LECs? My testimony concludes that the rule does not.

Q. Would the lack of CPN in the billing records for wireless-originated calls defeat the whole purpose of adopting the Commission's Enhanced Record Exchange (ERE) rules?

A. In my opinion, it would not. In addition to addressing the legal liabilities and establishing certainty for the business relationship of transiting traffic, the ERE rules have largely accomplished the objective of reducing the number of billing discrepancies, and making it easier to resolve those that might arise. The rules provide a means to

identify unidentified traffic, and help to ensure just compensation for the exchange of LEC-to-LEC traffic, including transiting traffic. In order to satisfactorily accomplish these objectives, the ERE rules established the following: (1) a requirement for carriers to pass CPN to downstream carriers and ultimately to end users on each and every telephone call, (2) an option for terminating carriers to utilize separate trunk groups to better manage their networks, (3) an option for terminating carriers to create accurate terminating billing records should they choose not to rely on records developed by a third-party, (4) a requirement for billing records to be created in a timely and consistent manner, (5) a requirement for invoice payments to be made in a timely manner, (6) an option for carriers to object to inaccurate billing invoices, (7) a requirement for carriers to ensure customer privacy provisions, (8) a requirement for carriers to maintain confidentiality of customer billing records, (9) implementation of a system of general auditing provisions and, (10) establishment of a system to block (reroute) LEC network traffic.

Prior to establishment of the ERE rules, the Commission was inundated with docketed cases and informal allegations involving unaccounted-for, or "phantom" telephone traffic occurring on the LEC-to-LEC network. Now that the rules are in place, I am not aware of any instances or allegations of such traffic. In my opinion, the lack of CPN within the billing records does not negatively impact other aspects of the ERE rules, including the ten items identified above.

¹ End users must, of course, have Caller ID available to receive CPN.

Q. Does the issue presented in this case impact the first requirement of the ERE rule, as you have identified above, that carriers pass the CPN to downstream carriers and ultimately to end users on each and every telephone call?

A. No. The ERE rule will continue to require carriers to deliver CPN to downstream carriers for every telephone call, regardless of the Commission's decision in this proceeding.

Q. Please explain.

A. The ERE rules contemplate CPN to be delivered to downstream carriers in two ways. One way is for CPN to be delivered to downstream carriers during the call's transmission. For example, 4 CSR 240-29.040(1) and (2) place such a requirement on originating and transiting companies, respectively. The issue presented in this case does not pertain to the delivery of CPN during the transmission of the call. In other words, CPN will continue to be required to be delivered during the transmission of both wireless and wireline originated calls.

A second way contemplated by the ERE rules to deliver CPN to downstream carriers is through a billing record produced by the originating tandem carrier that is provided on a monthly or regular basis. The billing record might be considered similar to a monthly statement of the calls transiting through the tandem carrier and ultimately delivered to the terminating carrier. More precisely, 4 CSR 240-29.040(4) places a requirement on originating tandem carriers to create a category 11-01-XX billing record which can contain a variety of information. The terminating carrier uses the information contained in this billing record to create an invoice to be sent to the carrier responsible for payment of call termination charges. For clarity, I have attached as Schedule 3 an

example of a Missouri-specific Category 11-01-XX billing record, as customarily created for LEC-to-LEC traffic. Additionally, Schedule 4 offers an example of Category 11 billing records created for IXC traffic.

Therefore, the issue presented in this case pertains to whether a category 11-01-XX billing record should include CPN for wireless-originated traffic. Regardless of the Commission's ruling in this case, CPN will continue to be delivered during the transmission of a call. In addition, a category 11-01-XX billing record will continue to contain CPN for wireline originated traffic.

- Q. Do you have any additional comments about how the ERE rules attempt to assist terminating carriers in identifying the financially responsible party for whom traffic is terminated?
- A. Yes. Terminating carriers essentially have two choices in identifying the financially responsible party. One option is for the terminating carrier to create its own billing record based on the CPN and other information delivered on each call. The ERE rules attempt to ensure the terminating carrier will have the necessary tools in order to create its own billing records.

A second option for the terminating carrier is to continue to rely on the billing records created by the originating tandem carrier. Most, if not all, terminating carriers are continuing to rely on the billing records of the originating tandem carrier. The ERE rules have tried to ensure consistency and improved information contained in these billing records. Such billing records produced by the originating tandem carrier may not contain all of the information desired by the terminating carrier; however, the terminating

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records, or to create its own billing records.

billing records for wireless-originated telephone calls?

A. Lack of CPN within the tandem-created billing records for wireless-originated calls simply means that the terminating carrier will have no way of knowing the end user who originated the wireless telephone call. The ability to identify the end users who originate telephone calls permits the terminating carrier to determine the originators of the calls. The ability to identify end users also permits terminating carriers to verify the end users' wireless carriers as well. In many instances (but not all instances), knowing the CPN will assist the terminating carrier in verifying the proper jurisdiction of wireless-originated telephone calls. Billing records that contain CPN of wireless-originated calls can aid terminating carriers in establishing practices which reveal network usage. In my opinion, the lack of CPN within the billing record restricts, perhaps severely, the ability of terminating carriers to institute general network auditing guidelines. In my view, this is the only potential ramification of not including the CPN as part of the tandem-created billing records for wireless-originated telephone calls traversing Missouri's LEC-to-LEC network.

carrier has the choice of continuing to rely on the originating tandem carrier's billing

What then are the ramifications of not having CPN as part of the

Q. Does the lack of CPN within the billing record prevent the terminating carrier from identifying the wireless carrier responsible for payment?

A. No. In spite of the potential ramification for lack of CPN, lack of CPN does not prevent the terminating carrier from knowing the responsible wireless carrier to whom the bill should be sent.

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Q. Please explain why lack of CPN in tandem-created billing records for wireless-originated telephone calls does not prevent knowing the responsible wireless carrier for invoice purposes.

A. Knowledge of the responsible wireless carrier for wireless-originated calls traversing the LEC-to-LEC network is accomplished by the originating tandem carrier inserting a "per-trunk billing number" in place of the CPN within the billing record. The "per-trunk billing number" is a number which uniquely identifies the wireless carrier directly connected to the LEC-to-LEC network; hence, the party responsible for paying terminating compensation.²

Q. Does the "per-trunk billing number" identify the originating carrier, or the proper jurisdiction of the call?

A. No, not in all instances. If an originating carrier contracts with another carrier to deliver the call, the "per-trunk billing number" will not identify the carrier upon whose network the call originated. Nor does the "per-trunk billing number" provide any indication as to the proper jurisdiction of the call. Use of a "per-trunk billing number" *instead of a CPN* removes any possibility for terminating carriers to independently determine whether wireless carriers are paying reciprocal compensation for telephone traffic that might otherwise be subject to exchange access charges.

Q. Does CPN provide a reliable jurisdictional indicator for all wireless-originated traffic?

² The term "per-trunk billing number" is associated with Type 2A wireless interconnections, which provide a trunk side connection between a Mobile Switching Center (MSC) and a landline *tandem* office. Type I wireless interconnections use the nomenclature "billing account number," and involve trunk side connections (line side treatment) between a MSC and a landline *end* office.

A. No, not for all wireless traffic. For wireless calls originated outside of a Major Trading Area (MTA) to which the wireless number is assigned, use of CPN is not a reliable jurisdictional indicator. Because of instances that are sometimes characterized as "roaming," such calls might appear to be subject to reciprocal compensation when in fact they are subject to access charges. Depending on the number dialed, other calls might be mistaken as subject to access charges, when in fact they are subject to reciprocal compensation. As I have previously stated, wireless CPN is not a reliable jurisdictional indicator in all instances; CPN should be used only in establishing general auditing guidelines.

Q. Can you explain what you mean by "general auditing guidelines"?

A. Yes. I would characterize general auditing guidelines as methods used by carriers to monitor activity occurring on telephone networks. In my opinion, general auditing guidelines would entail the use of "test calls" as well as monitoring of CPN in billing records to determine the presence of an excessive amount of interstate, interMTA wireless-originated calls being terminated over local interconnection trunks instead of access trunks. General auditing guidelines embrace a balance of network knowledge. On the one hand, because of "roaming," CPN cannot be used to determine the proper jurisdiction of all wireless calls. On the other hand, it would seem axiomatic that not all wireless calls are "roaming." General auditing guidelines help to strike a balance between the two extremes.

Just as many end users subscribe to caller identification service because they feel a "need to know" who is calling on their telephone line, many carriers also feel a "need to know" who is calling on their telephone network. In my opinion, knowledge of who is

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using the telephone network is simply a good business practice. Moreover, omission of CPN in billing records restricts the ability of terminating carriers to employ reasonable practices designed to obtain such knowledge.

- Q. Mr. Voight, given the emphasis you seem to place on inclusion of CPN as part of billing records, why has the Staff changed its mind about requiring that it be included in the billing record?
- The Staff has always advocated the inclusion of CPN as part of the billing A. records for all telephone calls, including those that are wireless-originated. The fact that CPN is not included in the billing records of wireless-originated calls was first pointed out in the February 1, 2005, written comments of the Missouri Independent Telephone Company Group (MITG) in Case No. TX-2003-0301 (the ERE rulemaking case). Later, on February 9, 2005, at the Public Hearing for Case No. TX-2003-0301, SBC Missouri (now AT&T) responded to these allegations. In its response, SBC's attorney stated that SBC's record-creation practices "conform to the industry standard." SBC's subject matter expert produced a Telcordia Technologies document described as Generic Requirements for Wireless Service Provider Automatic Message Accounting, referred to as GR-1504-CORE, and testified on the differences in billing records for wireless calls and other calls.4

After learning of the Telcordia document, the Staff continued to explore the matter with the industry. Fundamentally, and in full recognition of the Telcordia document, the Staff continued to explore the possibility of including wireless CPN in the

³ Transcript of Proceedings; page 86, line 18. February 9, 2005. Case No TX-2003-0301.

⁴ *Id.* Page 99. line 19.

billing records. On August 11, 2005, the Staff responded to a Commission order in Case

No. TX-2003-0301, in which the Staff stated the following:

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Staff wishes to state its view that, absent compelling reasons otherwise, the Commission should require SBC and other transiting carriers to include the CPN in all category 11-01-XX billing records, including those generated for wireless-originated traffic. Staff notes that the very caption of Case No. TX-2003-0301 implies an intention for the origin of all intraLATA telephone calls to be identified in billing records. The Staff submits that including CPN in the category 11-01-XX billing record is an appropriate means to identify originating carriers and glean information concerning the carrier responsible for placing traffic on the LECto-LEC network.

Requiring the inclusion of CPN as a part of AMA records will aid in establishing general auditing guidelines for all LEC-to-LEC network traffic. The Staff also notes SBC's acknowledgement that its Northern Telecom tandem switches are currently configured with the necessary feature to permit CPN to be "appended" to the AMA record for wireless-originated calls. According to SBC, further inquiries are necessary to determine if a similar feature can be made available in its Lucent tandem switches.

On October 13, 2005, Tim Judge of SBC (now AT&T) provided me with vendor information on the "estimated price range" and other information of equipping SBC's Missouri Lucent switches with the functionality to capture CPN for wireless calls traversing the LEC-to-LEC network. After evaluating the information, the Staff was simply unwilling to recommend that SBC be required to make the investment. We felt that the price information represented a compelling reason to abandon the idea. Succinctly stated, the Staff concluded that the cost exceeded the expected benefits.

Q. Mr. Voight, were there other reasons for the Staff to change its mind?

Yes. By late 2005, the Staff had become aware of what we considered to A. be progress at the national level in this area. Because of the evolution of number portability and call roaming, use of ANI (Automatic Number Identification) is becoming

especially for wireless traffic.⁵ In particular, the Alliance for Telecommunications Industry Solutions (ATIS) Network Interconnection Interoperability Forum (NIIF) announced implementation of something referred to as Jurisdictional Information Parameter (JIP) Billing. JIP billing is being advanced as one means to address the situation. JIP billing essentially involves populating a six-digit number in the Signaling System 7 (SS7) Initial Address Message for each telephone call. As I understand the situation, the JIP code would identify the jurisdiction of the call. After the ATIS announced industry consensus on JIP billing, the Staff was no longer desirous of pursuing the matter at the state level.⁶

less attractive as a means to determine the geographic location of the originating party,

Q. Does progress at the national level mean that Missouri should abandon it's ERE rules?

A. No, not at this time. As I have previously discussed, Missouri's ERE rules continue to accomplish many important policy objectives. In particular, the ERE rules codify the business relationship for transiting traffic, and implement a consistent Category 11-01-XX form of record recording. Prior to establishment of the rules, Missouri was mired with uncertainty of business relationships, and plagued with a system of old-fashioned summary paper records creation. Equally important, the ERE rules

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⁵ Primarily for engineering reasons, network engineers and other telecommunications professionals use different terminology to distinguish the ten-digit telephone number of the caller who originates the call. For the purposes of Missouri's ERE rules, the terms Caller Identification (Caller ID), Calling Number Delivery (CND), Calling Party Number (CPN), and automatic number identification (ANI) may be used interchangeably, as established and defined in 4 CSR 240-29.020(29).

⁶ The Staff obtained knowledge of JIP developments from different sources. One example is shown in a letter sent by AT&T to small Missouri carriers, a copy of which is attached as Schedule 5 to this testimony.

⁷ An example of Carrier Transiting Usage Summary Records (CTUSR), and a 2001 Accessible Letter from SBC to C-LECs, is shown as Schedule 6 to this testimony.

establish a set of local interconnection guidelines for all carriers using Missouri's local exchange network. In my view, local interconnection rules are necessary and proper because (understandably) the federal government does not have policies addressing the issues covered by our state rules.

Q. In Case No. TX-2003-0301, the Commission stated the following in its May 11, 2005 Final Order of Rulemaking:

We find that SBC has shown no credible evidence that the Category 11-01-XX billing records it creates for wireless-originated calls traversing the LEC-to-LEC network should be different from the Category 11-01-XX billing records it creates for wireline *and wireless*-originated calls traversing the interexchange carrier network (Emphasis in original).

We thus determine that transiting carriers shall include the CPN as part of the Category 11-01-XX records created for wireless-originated traffic occurring over the LEC-to-LEC network. If any carrier determines that it cannot or should not include the originating CPN of wireless callers in the Category 11-01-XX billing record, it is free to petition the Commission to be excluded from that aspect of our rule.

These comments were made by the Commission in response to written and public comments provided by parties in the Enhanced Record Exchange (ERE) rulemaking case. Does the Staff agree with the Commission's comments?

- A. The Staff certainly agreed with the comments when they were written because they were entirely consistent with the record that had been developed at that time. However, the consequences of varying from the Telcordia document previously discussed were not fully understood until October 2005. It was not until SBC produced the statement from Lucent that the Staff changed its mind in this matter.
- Q. Do you have an opinion as to whether 4 CSR 240-29.040(4) requires inclusion of CPN as a part of the billing records?

Direct Testimony of William L. Voight

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A. It is my opinion that it does not. The ERE rules, including 4 CSR 240-29.040(4), merely require the creation of a Missouri-specific category 11-01-XX billing record. The rules are not explicit enough to determine the precise make-up of those records.⁸ If necessary, further analysis of the rule requirements and prior Commission comments will be covered by my attorney in arguments and briefs.

Q. Does this conclude your Direct Testimony?

A. Yes, it does.

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⁸ For a further discussion, please see "Discussion Item Eight" in the Staff's August 11, 2006 Response to Commission Order in Case No. TE-2006-0053.

William L. Voight

SUMMARY OF WORK EXPERIENCE

1974 – 1985 United Telephone Company, I began my telephone career on February 4, 1974, as a central office equipment installer with the North Electric Company of Gallion, Ohio. At that time, North Electric was the manufacturing company of the United Telephone System. My duties primarily included installation of all forms of central office equipment including power systems, trunking facilities, operator consoles, billing systems, Automatic Number Identification systems, various switching apparatuses such as line groups and group selectors, and stored program computer processors.

In 1976, I transferred from United's manufacturing company to one of United's local telephone company operations – the United Telephone Company of Indiana, Inc. I continued my career with United of Indiana until 1979, when I transferred to another United Telephone local operations company – the United Telephone Company of Missouri. From the period of 1976 until 1985, I was a central office technician with United and my primary duties included maintenance and repair of all forms of digital and electronic central office equipment, and programming of stored program computer processors. United Telephone Company is today known as **Embarq**.

In 1985, I began employment with **Tel-Central Communications, Inc.**, which at that time was a Missouri-based interexchange telecommunications carrier with principal offices in Jefferson City, Missouri. As Tel-Central's Technical Services Supervisor, my primary duties included overall responsibility of network operations, service quality, and supervision of technical staff. Tel-Central was eventually merged with and into what is today MCI.

In conjunction with Tel-Central, I co-founded **Capital City Telecom**, a small business, "non-regulated" interconnection company located in Jefferson City. As a partner and co-founder of Capital City Telecom, I planned and directed its early start-up operations, and was responsible for obtaining financing, product development, marketing, and service quality. Although Capital City Telecom continues in operations, I have since divested my interest in the company.

In 1988, I began employment with **Octel Communications Corporation**, a Silicon Valley-based manufacturer of Voice Information Processing Systems. My primary responsibilities included hardware and software systems integration with a large variety of Private Branch eXchange (PBX), and central office switching systems. Clients included a large variety of national and international Local Telephone Companies, Cellular Companies and Fortune 500 Companies. Octel Communications Corporation was later merged with Lucent Technologies.

1994-Present Missouri Public Service Commission

Schedule 1

William L. Voight

TESTIMONY EXPERIENCE

Case No. TR-96-28	In the Matter of Southwestern Bell's tariff sheets designed to increase Local and Toll Operator Service Rates.
Case No. TT-96-268	In the Matter of Southwestern Bell Telephone Company's tariffs to revise PSC Mo. No. 26, Long Distance Message Telecommunications Services Tariff to introduce Designated Number Optional Calling Plan.
Case No. TA-97-313	In the Matter of the Application of the City of Springfield, Missouri, through the Board of Public Utilities, for a Certificate of Service Authority to Provide Nonswitched Local Exchange and Intrastate Interexchange Telecommunications Services to the Public within the State of Missouri and for Competitive Classification.
Case No. TA-97-342	In the Matter of the Application of Max-Tel Communications, Inc. for a Certificate of Service Authority to Provide Basic Local Telecommunications Service in Portions of the State of Missouri and to Classify Said Services and the Company as Competitive.
Case No. TA-96-345	In the Matter of the Application of TCG St. Louis for a Certificate of Public Convenience and Necessity to provide Basic Local Telecommunication Services in those portions of St. Louis LATA No. 520 served by Southwestern Bell Telephone Company.
Case No. TO-97-397	In the Matter of the Petition of Southwestern Bell Telephone Company for a Determination that it is Subject to Price Cap Regulation Under Section 392.245 RSMo. (1996).
Case No. TC-98-337	Staff of the Missouri Public Service Commission, Complainant, vs. Long Distance Services, Inc., Respondent.
Case No. TO-99-227	Application of Southwestern Bell Telephone Company to Provide Notice of Intent to File an Application for Authorization to Provide In-Region InterLATA Services Originating in Missouri Pursuant to Section 271 of the Telecommunications Act of 1996.
Case No. TA-99-298	In the Matter of the Application of ALLTEL Communications, Inc. for a Certificate of Service Authority to Provide Basic Local Telecommunications Service in Portions of the State of Missouri and to Classify Said Services and the Company as Competitive.
Case No. TO-99-596	In the Matter of the Access Rates to be Charged by Competitive Local Exchange Telecommunications Companies in the State of Missouri.
Case No. TO-99-483	In the Matter of an Investigation for the Purpose of Clarifying and Determining Certain Aspects Surrounding the Provisioning of Metropolitan Calling Area Service After the Passage and Implementation of the Telecommunications Act of 1996.

In the Matter of a further investigation of the Metropolitan Calling Case No. TO-01-391 Area Service after the passage and implementation of the Telecommunications Act of 1996. Case No. TO-01-416 In the Matter of Petition of Fidelity Communications Services III, Inc. Requesting Arbitration of Interconnection Agreement Between Applicant and Southwestern Bell Telephone Company in the State of Missouri Pursuant to Section 252 (b)(1) of the Telecommunications Act of 1996. Case No. TO-01-467 In the Matter of the Investigation of the State of Competition in the Exchanges of Southwestern Bell Telephone Company. Case No. TT-02-129 In the Matter of AT&T Communications of the Southwest, Inc.'s Proposed Tariff to Establish a Monthly Instate Connection Fee and Surcharge. Case No. TC-02-1076 Staff of the Missouri Public Service Commission, Complainant, vs. BPS Telephone Company, Respondent. Case No. TK-04-0070 In the Matter of the Application of American Fiber Systems, Inc. for Approval of an Agreement with Southwestern Bell Telephone, L.P. d/b/a SBC Missouri, Under the Telecommunications Act of 1996. Case No. CO-2005-0066 In the Matter of the Confirmation of Adoption of an Interconnection Agreement with CenturyTel of Missouri, LLC d/b/a CenturyTel and Spectra Communications Group, LLC d/ba CenturyTel by Socket Telecom, LLC Case No. TO-2003-0257 In the Matter of the Request from the Customers in the Rockaway Beach Exchange for an Expanded Calling Scope to Make Toll-Free Calls to Branson Case No. IO-2006-0086 Application of Sprint Nextel Corporation for Approval of the Transfer of Control of Sprint Missouri, Inc., Sprint Long Distance, Inc. and Sprint Payphone Services, Inc. From Sprint Nextel Corporation to LTD Holding Company. Case No. LT-2006-0162 In the Matter of Tariff No. 3 of Time Warner Cable Information Services (Missouri), LLC, d/b/a Time Warner Cable. Case No. TM-2006-0272 In the Matter of the Application for Approval of the Transfer of Control of Alltel Missouri, Inc. and the Transfer of Alltel Communications, Inc. Interexchange Service Customer Base.

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13 14	From Number Length			13 14	From Number Length		default '10'
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30 31 32	NPA			30 31 32	NPA		
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101	20		<u> </u>
102	Operator		Same
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107	Indentification		<u> </u>
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116		4	158-167 in 92-01 Record
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173 Transport ID		UNE records only	
	172		
174 Reserved	173	Transport ID	
	174	Reserved	

			IND. 29 set to value of '6':
1			denoting a 92-01 detail record was
121	29		used to create the record
122	30		
123	NPA		
124			
125		BSA/	
126	NXX	Feature Group A	Zero Fill
127		Access	
128		Number	
129	Line		
	Number		
131	, vaniboi		
132			
1			
133			
134			
1	Reserved for		Zero Fill
136	Local Company Use		
137			
138			
139	NECA		Zero Fill
140	Company Code		
141	, ,		j
	BSA/Feature Group D		Populate with '10'
	Call Event Status		for Answered
144	Reserved		Zero Fill
145	i veserveu		Zero Fili
	DOA/F		
	BSA/Feature Group ID Cod	16	Populate with 'C'
147	,		Same
148			
149	Settlement Code		Same
150			
151	Min	Conversation	Same as Positions
152		Time	61-67 in 92-01 Record
153			Conversation Minutes
154	Sec		
155			
156	1/10		
157			
158			
-	Originating LRN		Populate Originating LRN
160	Originating Ertit		Fopulate Originating LKN
161			
162			
163			·
164			
165			
166			
167	Originating OCN		Originating LEC NECA OCN
168			associated with NPA-NXX
169			in positions 15-20 of this record (table 80 driven) or use LRN npanxx if pos.157-166 is populated (table 80 driven)
170			
171	Originating LRN Source In-	dicator	Zero Fill
172	1		
173 174	Terminating LRN		Populate Terminating LRN

	LRN Substitution	1 1	•	1
ļ	Performed (Value=0			
ì	or 1)	175		1
176		176		i i
177		177		
178	1	178		
179		179		
180		180		
1		1 1 1		
181	1	181		
182		182		
183			Terminating OCN	Terminating LEC NECA OCN
184		184		associated with NPA-NXX
185		185		in positions 30-35 NPANXX of this record (table 80 driven) or use LRN NPANXX if pos.172-181 is populated(table 80 driven)
186		186	Terminating LRN Source Indicator	Zero Fill
187		187		Receiving LEC OCN
188	Terminating LRN	1 1 1	Send to OCN	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			4 position	
l			alphanumeric field	
			that identifies the	
			company that will	
189			receive the record	
•	i e	1 1 1	receive the record	
190		190		
191		191	Reserved	
192		192		Zero Fill as done today
193		193		
į.		194		
1		195		
196	i	196		
197		197		
198	Billing LRN	198		
199		199		
200		200		
201		201		
202		202		
203		203		
204	§	204		
205		205		
206		206		
207	Originated recording only	207		
207		207		
		1 1		
	Terminating UNE company	209		
210	I	210		

FOR IXC carlo created by Small carrier

POS	DESCRIPTION	SUB-DESCRIPTION	Notes]
1	RECORD IDENTIFICATION	CATEGORY		
2	RECORD IDENTIFICATION	CATEGORY]
3	RECORD IDENTIFICATION	GROUP		
‡	RECORD IDENTIFICATION	GROUP		
5	RECORD IDENTIFICATION	RECORD TYPE		
6	RECORD IDENTIFICATION	RECORD TYPE		
7	DATE OF RECORD	YEAR		
3	DATE OF RECORD	YEAR		
9	DATE OF RECORD	MONTH		
10	DATE OF RECORD	MONTH		
11	DATE OF RECORD	DAY		
12	DATE OF RECORD	DAY	·····	
3	FROM NUMBER LENGTH	DAI		
	FROM NUMBER LENGTH			
14	 	NDA		
15	*FROM BASE STATION NUMBER *FROM NUMBER	NPA		
16	*FROM BASE STATION NUMBER *FROM NUMBER	NPA		
17	*FROM BASE STATION NUMBER	NPA		
L /	*FROM NUMBER	INCA		
18	*FROM BASE STATION NUMBER	NXX		
10	*FROM NUMBER	I TAX		
19	*FROM BASE STATION NUMBER	NXX		
17	*FROM NUMBER	1444		
20	*FROM BASE STATION NUMBER	NXX		
40	*FROM NUMBER	ITAA		
71	*FROM BASE STATION NUMBER	LINE NUMBER	Do not zero fill unless it is LRN	
1	*FROM NUMBER	LINE NUMBER	Do not zero im umess it is EKIN	
,2	*FROM BASE STATION NUMBER	LINE NUMBER	Do not zero fill unless it is LRN	
∠2	*FROM NUMBER	LUIL NOWIDER	Do not zero ini umess it is LKIN	
24	*FROM BASE STATION NUMBER	LINE NUMBER	Do not zero fill unless it is LRN	
47	*FROM NUMBER	LINE NOMBER	Do not zero im uniess it is Extr	
24	*FROM BASE STATION NUMBER	LINE NUMBER	Do not zero fill unless it is LRN	
- 7	*FROM NUMBER	LINE HOMBER	Do not zero ini unicsa it is Exci	
25	OVERFLOW DIGITS			
25 26	OVERFLOW DIGITS OVERFLOW DIGITS			
2 0 27	OVERFLOW DIGITS OVERFLOW DIGITS			
				
28	TO NUMBER LENGTH			
29	TO NUMBER LENGTH			
30	*TO BASE STATION NUMBER *TO NUMBER	NPA		
31	*TO BASE STATION NUMBER	NPA		
	*TO N*TO BASE STATION NUMBER			
	*TO NUMBER UMBER			
32	*TO BASE STATION NUMBER	NPA		
	*TO NUMBER			
33	*TO BASE STATION NUMBER	NXX		
	*TO NUMBER			
34	*TO BASE STATION NUMBER	NXX		
	*TO NUMBER	1		
35	*TO BASE STATION NUMBER	NXX		
	*TO NUMBER	1		
36	*TO BASE STATION NUMBER	LINE NUMBER	······································	
-	*TO NUMBER	1		
37	*TO BASE STATION NUMBER	LINE NUMBER		
J .	*TO NUMBER			
38	*TO BASE STATION NUMBER	LINE NUMBER		
	*TO NUMBER	DE LE LIGHTERE		
,	*TO BASE STATION NUMBER	LINE NUMBER		
	*TO NUMBER	DITE HOMBER		

POS	USED TO RPT ACC MIN FGC MTS S DESCRIPTION SUB-DESCRIPTION Notes					
		SUB-DESCRIFTION	Notes			
40	ORIGINATING / TERMINATING ID					
1	BSA / FEATURE GROUP D TRUNK GROUP			}		
	NUMBER BSA / FEATURE GROUP D TRUNK GROUP					
2	NUMBER	}		- 1		
3	BSA / FEATURE GROUP D TRUNK GROUP					
13	NUMBER					
14	BSA / FEATURE GROUP D TRUNK GROUP					
•	NUMBER					
15	RESERVED					
6	CARRIER IDENTIFICATION		CIC if available, else zero fill			
17	CARRIER IDENTIFICATION		CIC if available, else zero fill			
8	CARRIER IDENTIFICATION		CIC if available, else zero fill			
9	CARRIER IDENTIFICATION		CIC if available, else zero fill			
0	CARRIER ACCESS METHOD					
1	ROUTING METHOD					
2	DIALING METHOD					
3	ANI					
4	NCTA					
5	CONNECT TIME	HOUR				
6	CONNECT TIME	HOUR				
7	CONNECT TIME	MINUTE				
8	CONNECT TIME	MINUTE				
9	CONNECT TIME	SECOND				
0	CONNECT TIME	SECOND				
1	BILLABLE OR REPORTED TIME	MINUTE				
?	BILLABLE OR REPORTED TIME	MINUTE				
	BILLABLE OR REPORTED TIME	MINUTE				
4	BILLABLE OR REPORTED TIME	MINUTE				
5	BILLABLE OR REPORTED TIME	SECOND				
<u>6</u>	BILLABLE OR REPORTED TIME	SECOND				
7	BILLABLE OR REPORTED TIME	1/10				
8	METHOD OR RECORDING					
9	METHOD OR RECORDING	 				
~~~	RESERVED					
1	RESERVED FROM RAO	<del> </del>				
<u>2</u>	FROM RAO	<del></del>				
4	FROM RAO					
5	CUSTOMER BILL FORMAT	LOCAL COMPANY INFORMATION				
<del>3</del>	CONFERENCE LEG NUMBER	LOCAL COMPANY INFORMATION				
<del>0</del> 7	CONFERENCE LEG NUMBER		~~~~			
8	TYPE OF ACCESS SERVICE	<del></del>				
9	TYPE OF ACCESS SERVICE	<del> </del>				
<del></del>	MESSAGE TYPE	<del></del>				
ī	METHOD OF SIGNALING					
<del></del> 2	INDICATORS	<del> </del>				
3	INDICATORS	<del> </del>				
4	INDICATORS					
<del></del> 5	INDICATORS					
<del></del>	INDICATORS					
<del>5</del>	INDICATORS	<del>                                     </del>	<del></del>			
8	INDICATORS					
9	INDICATORS	1				
	INDICATORS	<del>                                     </del>				
1	INDICATORS					
<del>}</del>	INDICATORS	<b></b>				
	INDICATORS	<u> </u>				
	INDICATORS					

96 97 98	INDICATORS INDICATORS			<u> </u>
97 98	INDICATORS			1
97 98				_
	INDICATORS			
90	INDICATORS			_
( 77	INDICATORS			$\dashv$
100	INDICATORS			_
101	INDICATORS			+
102	SERIAL NUMBER	OPERATOR UNIT		<del></del>
103	SERIAL NUMBER	OPERATOR UNIT		+
104	SERIAL NUMBER	RECORDING POINT IDENTIFICATION		$\top$
		(AMA)		
$\sqcup$				
105	SERIAL NUMBER	RECORDING POINT IDENTIFICATION		
106	OFFILM AND OFFI	(AMA)		
106	SERIAL NUMBER	RECORDING POINT IDENTIFICATION		
107	SERIAL NUMBER	(AMA)		<del></del>
107	SERIAL NUMBER	RECORDING POINT IDENTIFICATION (AMA)		-
108	SERIAL NUMBER	RECORDING POINT IDENTIFICATION		+
	Cara and A Contability	(AMA)		
109	SERIAL NUMBER	RECORDING POINT IDENTIFICATION		<del></del>
		(AMA)		
110	CABS BILLING RAO			
111	CABS BILLING RAO			
112	CABS BILLING RAO			
113	INDICATORS			
114	INDICATORS			
5	INDICATORS			$\neg$
116	INDICATORS			
117	INDICATORS			
118	INDICATORS			
119	INDICATORS			
120	INDICATORS			
121	INDICATORS	Indicator 29	Value of 6 is okay	$\dashv$
122	INDICATORS BSA / FEATURE GROUP A ACCESS	ND4		<del></del>
123	NUMBER	NPA		
124	BSA / FEATURE GROUP A ACCESS	NPA		+
124	NUMBER	I I I I		ŀ
125	BSA / FEATURE GROUP A ACCESS	NPA		+
	NUMBER			1
126	BSA / FEATURE GROUP A ACCESS	NXX		<del></del>
	NUMBER			
127	BSA / FEATURE GROUP A ACCESS	NXX		
	NUMBER			
128	BSA / FEATURE GROUP A ACCESS	NXX		$\neg \vdash$
	NUMBER			
129	BSA / FEATURE GROUP A ACCESS	LINE NUMBER	Preference is not zero filled, but not critical	
120	NUMBER  DEA / FEATURE CROUP A ACCESS	T DIE VIII (DED		—
130	BSA / FEATURE GROUP A ACCESS NUMBER	LINE NUMBER	Preference is not zero filled, but not critical	
131	BSA / FEATURE GROUP A ACCESS	LINENHADED	December 1	-+-
121	NUMBER	LINE NUMBER	Preference is not zero filled, but not critical	1
132	BSA / FEATURE GROUP A ACCESS	LINE NUMBER	Preference is not zero filled, but not critical	$+\!\!\!-$
***	NUMBER	DIAL NUMBER	reference is not zero filled, but not critical	
133	RESERVED FOR LOCAL COMPANY USE		Do not populate	+-
134	RESERVED FOR LOCAL COMPANY USE		Do not populate  Do not populate	-+-
75	RESERVED FOR LOCAL COMPANY USE		Do not populate	-+-
6	RESERVED			
137	RESERVED			-+-

POS	DESCRIPTION	SUB-DESCRIPTION	Notes	C
138	NECA COMPANY CODE		Originating LEC State Specific OCN	
139	NECA COMPANY CODE		Originating LEC State Specific OCN	
140	NECA COMPANY CODE		Originating LEC State Specific OCN	
141	NECA COMPANY CODE		Originating LEC State Specific OCN	
142	BSA / FEATURE GROUP D CALL EVENT			
	STATUS			1
142	BSA / FEATURE GROUP D CALL EVENT			
L	STATUS			
144	RESERVED			
145	RESERVED			
146	BSA / FEATURE GROUP ID CODE			
147	LIBRARY CODE			
148	LIBRARY CODE			
149	SETTLEMENT CODE			
150	CONVERSATION TIME	MINUTE		
151	CONVERSATION TIME	MINUTE		
152	CONVERSATION TIME	MINUTE		
153	CONVERSATION TIME	MINUTE		
154	CONVERSATION TIME	SECOND		
155	CONVERSATION TIME	SECOND		
156	CONVERSATION TIME	1/10		
157	RESERVED			
158	RESERVED			
159	RESERVED			
160	RESERVED			
161	RESERVED			
52	RESERVED			
<u> </u>	RESERVED			
164	RESERVED			
165	RESERVED			
166	RESERVED			
167	RESERVED			
168	RESERVED			
169	RESERVED			
170	RESERVED			
171	RESERVED			
172	RESERVED			
173	RESERVED			
174	RESERVED			
175	RESERVED			





#### Dear

AT&T wishes to call your attention to the potential for misjurisdictonalization of wireless roamer access traffic. As you are aware, access charges should be based on the physical locations of the calling and called parties. For wireline calls, use of the calling and called party numbers provides a satisfactory surrogate for identifying the originating and terminating points of the call and determining whether intrastate or interstate switched access charges should apply. Unlike wireline calls, however, wireless calls are mobile, and, therefore, the use of calling and called party numbers does not provide an adequate surrogate for identifying the geographic location of a wireless phone. Consequently, use of the calling and called party number to establish the jurisdiction of such calls has resulted in instances where interstate wireless calls originating from one state and terminating in the home state of the wireless number ("wireless roamer" traffic) are billed incorrectly at intrastate access rates. A substantial amount of AT&T's terminating long distance traffic consists of wireless roamer traffic, and, as a result of the misbilling of this traffic, AT&T has been paying the higher intrastate rate rather than the lower interstate access rate.

In November 2004, the Ordering and Billing Forum (OBF) recognized this problem and adopted seven Rules for Populating JIP (Jurisdictional Information Parameter), approved by NIIF (Network Interconnection Interoperability Forum) in NIOC (Network Inter-Operability Committee) Issue 0208 to identify the originating switch or MSC as the physical location of a wireless originated call.

Now that these rules have been adopted, AT&T expects that you will accurately jurisdictionalize your terminating wireless roamer access traffic based on JIP. If you are currently unable to implement this change to your billing processes and systems, however, then you should utilize the terminating PIU factor provided by AT&T for all terminating traffic. Effective with the factors provided for third quarter 2005, AT&T will utilize JIP as the originating location of a wireless call. Failure to implement either of these solutions (incorporation of JIP to the billing process or full use of the AT&T provided terminating PIU) will result in AT&T claims and potential withholding of payments for the misjurisdictionalized traffic.

Please note on the attached your company's proposed resolution to this issue and return it by mail or fax to (770) 750-3802 by April 15, 2005.

AT&T Connectivity Billing Management 600 North Point Parkway Aplharetta, GA 30005-4136

Please complete and return to AT&T by April 15, 2005					
Company Code: Company Name:					
How do you currently determine jurisdiction for switched access billing?  Calling Party Number (CPN) to Called Party Number (CdPN)  AT&T provided PIU factor for all MOU  CPN to CdPN where known; Customer provided PIU for unknown					
How do you currently determine terminating access jurisdiction for wireless originated MOU?					
Calling Party Number (CPN) to Called Party Number (CdPN)  Jurisdiction Information Parameter (JIP) to Called Party Number (CdPN)  Other (Please describe below)					
With regard to the enclosed letter, which billing process will be implemented to accurately bill wireless originated-wireline terminated switched access MOU by your company?  Jurisdiction Information Parameter (JIP) to Called Party Number (CdPN)  AT&T provided factor (using JIP) for ALL terminating switched MOU  Other (Please describe below)					
Please indicate the effective date or target effective date for billing process changes associated with the above:					
Who may we contact at your company with questions or concerns? Please include Phone Number and/or E-mail address:					
Thank you for your prompt attention to this matter.					

Transiting Usage Summary Report Report ID: Detail

**Detail Records** Date: 09/19/2002 Missouri

August 2002 Usage Month

Terminating Company: XYZ **ILEC** 

Company A       122       207         Company B       30       173         Company C       8       19         Company D       18       36	Originating Company	Messages Minutes	
Company C         8         19           Company D         18         36	Company A	122 207	
Company D 18 36	Company B	30 173	
	Company C	8 19	
	Company D	18 36	
Company E 511 1758	Company E	511 1758	
Company F 7 32	Company F	7 32	

Total for XYZ Incumbent Local Exchange Carrier 696 2225

Transiting Usage Summary Report Report ID: Detail -

Detail Records (OPH Traffic) Date: 09/19/2002

Missouri

August 2002 Usage Month

**ILEC** Terminating Company: XYZ

Originating Company	Mess	sages Min	utes
Company A	3	5	_
Total for XV7 Incumbent Local F	vchange Carrier 3	5	



Date: August 15, 2001

Number: CLECG1-231

Effective Date: August 24, 2001

Other Category:

Subject: (BUSINESS PROCESSES) Transiting Usage Summary Reports to Provide Originating LEC Information on Certain IntraLATA Traffic Transiting Across

SWBT's Facilities

Related Letters: NA

States Impacted: Southwestern Bell Region

Response Deadline: NA

Contact: Account Manager

Conference Call/Meeting: NA

Southwestern Bell Telephone Company (SWBT) has been requested to provide transiting usage information to assist terminating Local Exchange Carriers (Terminating LECs) in Identifying the originating Local Exchange Carriers (Originating LECs) of certain intraLATA traffic.

Beginning August 24, 2001, SWBT will begin sending out Transiting Usage Summary Reports to Terminating LECs in order to assist them in identifying the LECs that originated certain intraLATA traffic. The subject intraLATA traffic is originated from another LEC's network, is subsequently transited across SWBT's facilities, and is then completed on the Terminating LEC's network. The Transiting Usage Summery Reports will provide the Terminating LECs with summary level message and minute information by type of record on each identified Originating LEC.

Specifically, the Transiting Usage Summary Reports will contain the following information: the data month for which the report applies, the State to which the report applies, the name and Operating Company Number (OCN) of the Terminating LEC, and will list each Originating LEC by name and OCN, including the volume of messages and minutes by record type originated by each Originating LEC and terminated on the Terminating LEC's network. These reports will be clearly marked as "Proprietary Data".

It is SWBT's intent to facilitate the identification of intraLATA traffic, when possible, and it is SWBT's position that it is not responsible for any payments to Terminating LECs for any traffic originated by another LEC and/or for any traffic that is not originated by a SWBT enduser customer. In those instances where the Terminating LEC is not currently receiving usage records directly from the Originating LEC(s), the Terminating LEC should contact the Originating LEC(s) in order to establish an appropriate business relationship so that adequate network engineering, routing, and compensation issues can be addressed between those two carriers.

Sentinwestern Bell Telephone 1516 Guedalupe, Room 519 Austin, Taxes 76701 Phone: 512.870.5700 Fax: 512.870.1867

Romaid B. Elmore Assistant Vice President-Industry Markets Exchange Carrier Relations



August 20, 2001

Attached is a copy of an Accessible letter which has been mailed to CLECs in Missouri, Oklahoma, Kansas, Arkansas, and Texas. A similar letter was also mailed to wireless carriers in those states.

The information contained in the attached Accessible letter applies to all LECs that transit SWBT's network. Thus, we are notifying you and these other carriers, that we intend to share as much information as we have available to us, concerning intraLATA traffic that passes through our tandems and is then terminated to other LECs. This information will be specific to the terminating company, and will be summary in nature concerning the traffic of the originating company.

Please note that this information is being provided as a facilitating tool for terminating companies to identify the originating companies sending them traffic. It is SWBT's position that it is not responsible for any compensation to terminating LECs for this third party originated traffic. In the event that the terminating LEC is not receiving records or compensation from the originating carrier, the terminating LEC should contact the originating company to establish the appropriate business relationship for this traffic.

Please direct questions to your account manager.

Sincerely,