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MISSOURI PUBLIC SERVICE COMMISSION

UTILITY OPERATIONS DIVISION

DIRECT TESTIMONY

OF

MICHAEL S. SCHEPERLE

NUVOX COMMUNICATIONS OF MISSOURI, INC.

CASE NO. TO-2006-0360

Jefferson City, Missouri

March 2007

NP

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Application of NuVox)
Communications of Missouri, Inc., for an)
Investigation into the Wire centers that)
AT&T Missouri Asserts are Non-Impaired)
Under the TRRO.)

Case No. **TO-2006-0360**

AFFIDAVIT OF Michael S. Scheperle

STATE OF MISSOURI)
) ss:
COUNTY OF COLE)

Michael S. Scheperle, 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 16 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.

Michael S. Scheperle
Michael S. Scheperle

Subscribed and sworn to before me this 29th day of March 2007
I am commissioned as a notary public within the County of Callaway, State of Missouri
and my commission expires on 9-21-10



SUSAN L. SUNDERMEYER
My Commission Expires
September 21, 2010
Callaway County
Commission #06942086

Susan L. Sundermeyer
NOTARY PUBLIC

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DIRECT TESTIMONY

OF

MICHAEL S. SCHEPERLE

NUVOX COMMUNICATIONS OF MISSOURI, INC.

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DIRECT TESTIMONY
OF
MICHAEL S. SCHEPERLE
NUVOX COMMUNICATIONS OF MISSOURI, INC.
CASE NO. TO-2006-0360

Q. Please state your name and business address.

A. My name is Michael S. Scheperle. My business address is Post Office Box 360, Governor Office Building, 200 Madison Street, Jefferson City, Missouri 65102-0360.

Q. By whom are you employed?

A. I am employed by the Missouri Public Service Commission (Commission) as a regulatory economist for the Telecommunications Department Staff (Staff) of the Commission.

Q. Please describe your current responsibilities as a Regulatory Economist.

A. I am responsible for reviewing and writing recommendations for controversial or contested tariff and case filings. I am also responsible for reviewing Missouri Universal Service Fund activities and assisting in Relay Missouri meetings and activities. Also, I have been appointed by arbitrators to advisory staff status to assist the arbitrator in the decision-making process on unresolved issues in the negotiation of interconnection agreements between ILECs and various Competitive Local Exchange Carriers (CLECs).

Q. Please describe your educational background and employment history.

A. I hold a Bachelor of Science degree in Mathematics from Lincoln University in Jefferson City, Missouri. I was employed by Missouri Power and Light Company from 1973 to 1983 as Supervisor of Rates, Regulations and Budgeting. I was employed by United

1 Water Missouri as Commercial Manager from 1983 to 2000. I began employment at the
2 Commission in June 2000.

3 Q. Have you previously testified before the Commission?

4 A. Yes. I have testified in ten other cases (TO-98-329, TT-2000-527/513, TT-
5 2001-139, TT-2001-298, TT-2001-440, TO-2001-455, TC-2002-57, TC-2002-190, TC-2002-
6 1077 and TO-2005-0144).

7 EXECUTIVE SUMMARY

8 Q. What is the purpose of your testimony?

9 A. The purpose of my testimony is to present Staff's perspective and
10 investigation concerning provisions of the Triennial Review Remand Order (TRRO) issued
11 by the Federal Communications Commission (FCC) on February 4, 2005. On March 17,
12 2006, NuVox Communications of Missouri, Inc. (NuVox) filed an application for an
13 investigation(s) into the wire centers that AT&T Missouri asserts are non-impaired under the
14 TRRO. My investigation to date demonstrates that through CLEC verification, all of the wire
15 centers identified by AT&T meet the non-impaired criteria as defined in the TRRO for
16 interoffice dedicated transport and loops. Through CLEC data request responses, at least one
17 wire center (Springfield Tuxedo) designation is disputed; however, Staff's initial
18 investigation indicates that the Springfield Tuxedo wire center is properly classified.

19 BACKGROUND

20 Q. Please explain the scope of Staff's initial investigation to verify wire centers
21 identified by AT&T as meeting the non-impairment criteria.

1 A. The scope of Staff's investigation involved the fourteen wire centers identified
2 by AT&T as meeting or exceeding the non-impairment criteria established by the FCC for
3 loops and dedicated interoffice transport.

4 Q. What is your understanding of the TRRO issued by the FCC on February 4,
5 2005 as it relates to this case?

6 A. The FCC, in the TRRO, relieves an incumbent local telephone company from
7 the obligation to provide certain unbundling obligations under Section 251 of the
8 Telecommunications Act of 1996 (Act) if certain non-impairment triggers are met on a wire
9 center basis. If the non-impairment triggers are met, then AT&T Missouri is no longer
10 required to provide certain high capacity loops and/or dedicated interoffice transport facilities
11 as a Section 251 Unbundled Network Element (UNE) obligation under the Act.

12 Q. In practical terms, what does "non-impairment" mean?

13 A. The concept of "non-impairment" means a CLEC would not be harmed or
14 impaired if it was not provided unbundled access to the requested ILEC network element. In
15 other words, if a wire center meets the criteria of "non-impairment", sufficient competitive
16 alternatives should be available to allow the CLEC to obtain comparable facilities from
17 providers other than the ILEC.

18 Q. In this proceeding what type of facilities are the focus of non-impairment
19 review?

20 A. The focus of this case is on DS1 and DS3 dedicated interoffice transport
21 facilities and DS1 and DS3 loops.

22 Q. What is DS1 and DS3 dedicated interoffice transport?

1 A. 47 C.F.R. § 51.319 (e)(1) defines dedicated transport “Definition. For
2 purposes of this section, dedicated transport includes incumbent LEC transmission facilities
3 between wire centers or switches owned by incumbent LECs and switches owned by
4 requesting telecommunications carriers, including, but not limited to, DS1, DS3, and OCn-
5 capacity level services, as well as dark fiber, dedicated to a particular customer or carrier.”
6 DS1 interoffice transmission facilities have a total digital signal speed of 1.544 megabytes
7 per second. DS3 interoffice transmission facilities have a total digital signal speed of 44.736
8 megabytes per second.

9 Q. What are DS1 and DS3 local loops?

10 A. 47 C.F.R. § 51.319 (a) states “The local loop network element is defined as a
11 transmission facility between a distribution frame (or its equivalent) in an incumbent LEC
12 central office and the loop demarcation point at an end-user customer premises.” A DS1 loop
13 is a digital local loop having a total digital signal speed of 1.544 megabytes per second. A
14 DS3 loop is a digital local loop having a total digital signal speed of 44.736 megabytes per
15 second. DS1 and a DS3 circuits have 24 and 672 voice grade channels, respectively.

16 Q. What are the non-impairment criteria established by the TRRO?

17 A. The FCC has established different non-impairment criteria for dedicated
18 interoffice transport facilities versus high capacity loops. In basic terms, the non-impairment
19 criteria focuses on the number of fiber-based collocators and/or a certain number of business
20 access lines located within a particular wire center as those terms are defined in the TRRO.
21 The specific criteria will be discussed in greater detail later in my testimony.

DEDICATED INTEROFFICE TRANSPORT AND STAFF INVESTIGATION

Q. How did the FCC define the impairment criteria for dedicated interoffice transport facilities?

A. The non-impairment criteria for dedicated interoffice transport facilities is described in 47 C.F.R. § 51.319(e)(3) and basically categorizes wire centers into three tiers.

- Tier 1 wire center - the wire center has at least four fiber-based collocators or at least 38,000 business access lines. A tandem switching location is also defined as a Tier 1 wire center if the wire center has no line-side switching facilities but nevertheless serves as a point of traffic aggregation accessible by CLECs.
- Tier 2 wire center - the wire center has at least three fiber-based collocators or at least 24,000 access lines.
- Tier 3 wire center - the wire center is not classified as either a Tier 1 or Tier 2 wire center. (Tier 3 wire centers are not in dispute in this case.)

Put simply, the FCC found that ILECs are not obligated to provide unbundled DS1 transport on any route connecting two Tier 1 wire centers. The FCC also found ILECs are not obligated to provide unbundled DS3 transport on routes connecting either Tier 1 or Tier 2 wire centers.

TIER 1 WIRE CENTER INVESTIGATION

Q. Has AT&T classified any wire centers as Tier 1?

A. Yes. AT&T identified nine (9) wire centers as Tier 1 wire centers. These wire centers are: Hiland, Westport, McGee, Springfield McDaniel, Springfield Temple, Chestnut,

1 Jefferson, Ladue and Creve Coeur. Schedule 1 outlines the nine wire centers classified as Tier
2 1 wire centers.

3 Q. Did Staff conduct an investigation based on the TRRO criteria established by
4 the FCC for Tier 1 wire centers?

5 A. Yes. Through DRs to AT&T, Staff obtained information from AT&T for the
6 nine wire centers classified as Tier 1 wire centers. From the TRRO definition of a Tier 1 wire
7 center, AT&T identified eight of the nine wire centers as meeting the TRRO criteria of four
8 or more fiber-based collocators. For the Springfield Temple wire center (CLLI Code
9 SPFDMOTE), AT&T identified the wire center as meeting the definition of a tandem
10 switching center location.

11 Q. Did Staff verify AT&T's responses?

12 A. Yes. After gathering information from AT&T (see Schedule 2B), Staff mailed
13 letters requesting affidavit verification from all CLECs identified by AT&T as meeting the
14 definition of a fiber-based collocator. The CLEC identified by AT&T could verify by
15 affidavit that it is a fiber-based collocator in the particular wire center or could dispute that it
16 is a fiber-based collocator. This procedure allowed Staff the opportunity to preliminarily
17 verify AT&T's list of fiber-based collocators with positive verification and/or narrow the
18 scope of this case for any disputed designation. Even if a CLEC disputed verification, follow-
19 up may not have been necessary. For example, in an identified Tier 1 wire center (Schedule
20 2A), AT&T identified 11 fiber-based collocators but technically only needs four (4) fiber-
21 based collocators to meet the definition of a Tier 1 designation for non-impairment in that
22 wire center. If at least four CLECs identified that their companies meet the definition of a

1 fiber-based collocator, then any dispute by a CLEC within that wire center is moot since the
2 criteria has been met.

3 Q. Summarize the results of Staff's investigation for dedicated interoffice
4 transport for Tier 1 designations for fiber-based collocators.

5 A. Schedule 2A outlines the results of CLECs classified by AT&T as fiber-based
6 collocators in the wire centers classified as Tier 1 wire centers. Based on the CLEC
7 responses, the eight wire centers are properly classified as Tier 1 wire centers.

8 Q. You mention Schedules 2A and 2B, please describe Schedules 2A, 2B and 2C.

9 A. Schedules 2A, 2B and 2C outline the number of CLECs classified by AT&T
10 as fiber-based collocators in the eight wire centers classified as Tier 1 wire centers. Schedule
11 2A is a summary of data contained in Schedule 2B and Schedule 2C. Specifically, Schedule
12 2A describes the number of fiber-based collocators identified by AT&T as meeting the non-
13 impairment criteria, the number of fiber-based collocators required to meet the non-
14 impairment criteria within each wire center and a summary of CLEC affidavit verification of
15 fiber-based collocator designation. Schedule 2B outlines each CLEC response to DRs from
16 Staff where each CLEC either Confirms/Disputes that it is a fiber-based collocator in each
17 wire center. Schedule 2C is the affidavit response by each CLEC.

18 Q. Summarize the results of Staff's investigation for dedicated interoffice
19 transport for Tier 1 designations for the definition of a tandem switching location.

20 A. As discussed earlier, AT&T identified the Springfield Temple wire center as a
21 Tier 1 wire center meeting the definition of a tandem switching location. 47 C.F.R. §
22 51.319(e)(3) defined a Tier 1 wire center as follows: ... "also are those incumbent LEC
23 tandem switching locations that have no line-side switching facilities, but nevertheless serve

1 as a point of traffic aggregation accessible by competitive LECs.” Schedule 2D outlines
2 AT&T’s response to Staff’s DR outlining that the Springfield Temple wire center meets the
3 definition of the TRRO. Staff agrees with this designation for the Springfield Temple wire
4 center.

5 Q. Please summarize Staff’s investigation for non-impairment dedicated
6 interoffice transport for Tier 1 wire centers.

7 A. Based on Staff’s investigation, Schedule 2A outlines that the nine (Hiland,
8 Westport, McGee, Springfield McDaniel, Springfield Temple, Chestnut, Jefferson, Ladue and
9 Creve Coeur) wire centers identified by AT&T meet the non-impairment criteria for a Tier 1
10 designation based on the criteria of four or more fiber-based collocators or meeting the
11 TRRO definition of a tandem switching location.

12 **TIER 2 WIRE CENTER INVESTIGATION**

13 Q. Has AT&T classified any wire centers as Tier 2?

14 A. Yes. AT&T identified five (5) wire centers as Tier 2 wire centers. These wire
15 centers are: Springfield Tuxedo, Parkview, Prospect, Kirkwood and Bridgeton. Schedule 1
16 outlines the five wire centers classified as Tier 2 wire centers.

17 Q. Did Staff conduct an investigation based on the TRRO criteria established by
18 the FCC for Tier 2 wire centers?

19 A. Yes. Through DRs to AT&T, Staff obtained information from AT&T for the
20 five wire centers classified as Tier 2 wire centers.

21 Staff then performed the same procedure for Tier 2 wire centers as previously
22 outlined for Tier 1 fiber-based collocators whereby the CLEC could verify by affidavit that it
23 is a fiber-based collocator in the particular wire center or could dispute that it is a fiber-based

1 collocator. This procedure allowed Staff the opportunity to preliminarily verify AT&T's list
2 of fiber-based collocators with positive verification and/or narrow the scope of this case for
3 any disputed designation for Tier 2 designations.

4 Q. Summarize the results of Staff's investigation for dedicated interoffice
5 transport for Tier 2 designations.

6 A. Schedule 2A outlines the results of CLECs classified by AT&T as fiber-based
7 collocators in the wire centers classified as Tier 2 wire centers. Based on the CLEC
8 responses, the four wire centers of Parkview, Prospect, Kirkwood and Bridgeton are properly
9 classified as Tier 2 wire centers based on having at least three fiber-based collocators. The
10 Tier 2 wire center of Springfield Tuxedo preliminarily (at least three CLECs did not verify) is
11 disputed and may not meet the TRRO definition of at least three fiber-based collocators.

12 Even if a wire center does not meet the definition of the number of fiber-based
13 collocators, the wire center may still be classified as a Tier 2 wire center based on the number
14 of business lines as defined in the TRRO. A wire center only needs to meet the criteria on the
15 number of fiber-based collocators or the number of business lines as defined in the TRRO.

16 Q. Did AT&T identify the Springfield Tuxedo wire center as meeting the
17 definition of at least 24,000 business line threshold and therefore meeting the definition of a
18 Tier 2 wire center?

19 A. Yes. AT&T identified the Springfield Tuxedo wire center as meeting the
20 threshold for at least three fiber-based collocators and meeting the business line threshold
21 (see Schedule 3) of at least 24,000 business lines. As stated earlier, if AT&T meets either
22 criteria (at least 3 fiber-based collocators or at least 24,000 business lines) for the Springfield
23 Tuxedo wire center, then it is properly classified as a Tier 2 wire center.

1 Q. Did Staff obtain information on the number of business lines for the
2 Springfield Tuxedo wire center?

3 A. Yes. Schedule 4 outlines information supplied to Staff from AT&T for the
4 Springfield Tuxedo wire center. Based on this information and AT&T's interpretation of
5 business line counts, it appears to support that the business line count exceeds the TRRO
6 criteria of 24,000 business lines. However, the interpretation of business line counts has been
7 a disputed issue in other states and CLECs may dispute AT&T's interpretation.

8 Q. How did the FCC define business line counts?

9 A. The FCC defined a business line in 47 C.F.R. § 51.5 as follows:

- 10 • Business line. A business line is an incumbent LEC-owned switched
11 access line used to serve a business customer, whether by the
12 incumbent LEC itself or by a competitive LEC that leases the line
13 from the incumbent LEC. The number of business lines in a wire
14 center shall equal the sum of **all incumbent LEC business**
15 **switched access lines, plus the sum of all UNE loops** connected to
16 that wire center, including UNE loops provisioned in combination
17 with other unbundled elements. Among these requirements,
18 business line tallies (1) shall include only those access lines
19 connecting end-user customers with incumbent LEC end-offices for
20 switched services, (2) shall not include non-switched special access
21 lines, (3) shall account for ISDN and other digital access lines by
22 counting each 64 kbps-equivalent as one line. For example, a DS1
23 line corresponds to 24 64 kbps-equivalents, and therefore to 24
24 "business lines." (emphasis added)
25

26 Q. What is your understanding of the dispute between AT&T and CLECs in other
27 states for business lines as defined in the TRRO?

28 A. My understanding is that the dispute centers around the interpretation of FCC
29 Rule 47 C.F.R. § 51.5, concerning the regulatory definition of a business line. The number of
30 business lines in a wire center is used to establish the threshold for impairment for purposes
31 of UNE access for dedicated interoffice transport and loops. Specifically, the business line

1 count is based on ARMIS 43-08 business lines, plus business UNE-P, plus UNE-loops. My
2 understanding is that the parties (AT&T and CLECs) agree on the ARMIS 43-08 definition
3 and the business UNE-P definition. However, the UNE-loops definition is disputed for what
4 should be included in the count (should UNE-loop count include all UNE loops (AT&T
5 position) or only business UNE loop lines (CLECs position)).

6 Q. What is your understanding of CLECs position on business line counts?

7 A. My understanding based on CLEC DR responses, is that the CLECs maintain
8 that the FCC in the TRRO made clear that it did not intend the business line definition to
9 include all lines, but rather only those business lines that would provide a useful proxy for
10 determining where significant revenue opportunities may exist. CLEC(s) also believe that the
11 Rule (47 C.F.R. § 51.5) states that a business line, whether serviced directly by the ILEC or
12 by a CLEC using a leased line from the ILEC, must be providing switched services to a
13 business customer (not a residential customer).

14 Q. What is your understanding of AT&T's position on business line counts?

15 A. My understanding based on AT&T DR response, is that AT&T maintains that
16 the number of business lines in a wire center shall equal 1) the sum of all incumbent LEC
17 business switched access lines 2) plus the sum of all UNE loops connected to that wire
18 center, including UNE loops provisioned in combination with other unbundled elements.
19 Furthermore, AT&T points to ¶ 105 of the TRRO for further clarification. The FCC in the
20 TRRO stated in ¶ 105, "business line counts are an objective set of data that incumbent LECs
21 already have created for other regulatory purposes. The Bell Operating Company (BOC) wire
22 center data that we analyze in this Order is based on Automated Reporting Management
23 Information System (ARMIS) 43-08 business lines, plus business UNE-P, plus UNE-loops."

1 AT&T submitted a filing to the FCC for each wire center identified by AT&T as a Tier 1 or
2 Tier 2 wire center. Schedule 3 outlines the wire centers identified by AT&T as exceeding or
3 not meeting the business line criteria for dedicated transport.

4 Q. What is Staff's position on business line counts?

5 A. Staff's position is that AT&T's business line count as submitted to the FCC
6 properly identifies the business line criteria. Specifically, the FCC Rule (47 C.F.R. §51.5) is
7 based on the fact that the rule identifies the number of business lines in a wire center as "the
8 sum of all incumbent LEC business switched access lines, plus the sum of all UNE loops
9 connected to that wire center." The rule identifies ILEC business switched access lines and
10 all UNE loops. Additionally, ¶ 105 of the TRRO, states "The BOC wire center data that we
11 analyze in this order is based on ARMIS 43-08 business lines, plus business UNE-P, plus
12 UNE-loops." The FCC calculation of a business line includes using ARMIS 43-08 business
13 lines, plus business UNE-P, plus UNE-loops. The FCC did not use the word *business* to
14 modify UNE-loops but simply used the term UNE-loops. Furthermore, ¶ 105 of the TRRO,
15 states "Conversely, by basing our definition in an ARMIS filing required of incumbent LECs,
16 and adding UNE figures, which also must be reported, we can be confident in the accuracy of
17 the thresholds, and a simplified ability to obtain the necessary information." The FCC has
18 explained that it relies on data available from the already preexisting FCC filings required of
19 ILECs in determining how to establish the number of business lines in a wire center. If the
20 CLEC definition is adopted, AT&T would not have information readily available on how
21 each CLEC uses its UNE loops. This would contradict the idea that the business line count is
22 an objective set of data that incumbent LECs already have created and also would contradict
23 the idea that the business line count is a simplified ability to obtain the necessary information.

1 Q. Please summarize Staffs investigation for non-impairment dedicated
2 interoffice transport for Tier 2 wire centers.

3 A. Based on Staff's investigation, Schedule 2A outlines that four (Parkview,
4 Prospect, Kirkwood and Bridgeton) out of the five wire centers identified by AT&T meet the
5 non-impairment criteria for a Tier 2 wire center designation based on the criteria of at least
6 three fiber-based collocators. The Springfield Tuxedo wire center has been disputed as
7 having at least three fiber-based collocators. However, Staff agrees that the Springfield
8 Tuxedo wire center meets the business line threshold of 24,000 or more business lines and is
9 properly classified as a Tier 2 wire center.

10 **LOOPS AND STAFF INVESTIGATION**

11 Q. How did the FCC define non-impairment criteria for loops?

12 A. The FCC adopted a two-part test to identify non-impairment for DS1 and DS3
13 capacity loops for a specific wire center. The two-part test is based on the wire center's
14 number of business lines and the presence of fiber-based collocators. According to the
15 TRRO, ¶ 146, non-impairment exists for:

- 16 • DS1 capacity loops at any location within the service area of a wire center
17 containing four or more fiber-based collocators and at least 60,000 business
18 lines.
- 19 • DS3 capacity loops at any location within the service area of a wire center
20 containing four or more fiber-based collocators and at least 38,000 business
21 lines.
22
23

24 Q. How many wire centers meet the non-impairment criteria for DS1 capacity
25 loops?

1 A. AT&T identified zero wire centers as meeting the defined non-impairment
2 criteria for the DS1 loop determination. Schedule 5 notes that there are no wire centers
3 identified by AT&T as meeting the criteria for DS1 loop non-impairment.

4 Q. How many wire centers meet the non-impairment criteria for DS3 capacity
5 loops?

6 A. AT&T identified three (McGee, Chestnut and Ladue) wire centers as meeting
7 the defined non-impairment criteria for the DS3 loop determination. Schedule 5 notes the
8 three wire centers identified by AT&T as meeting the criteria for DS3 loop non-impairment.
9 Staff notes that the three wire centers designated by AT&T (see Schedule 5 and Schedule 1)
10 are also designated by AT&T as Tier 1 wire centers for dedicated interoffice transport as
11 previously discussed.

12 Q. Did Staff conduct an investigation on loops based on the TRRO criteria
13 established by the FCC for DS3 loops?

14 A. Yes. As previously discussed, the three wire centers of McGee, Chestnut and
15 Ladue must have at least four or more fiber-based collocators and over 38,000 business lines
16 for a non-impairment finding for loops.

17 Schedules 6A and 6B outline that CLECs verified the three wire centers meet the
18 criteria for fiber-based collocators of four or more. Part of Schedule 2C are the affidavit
19 response by CLECs for the wire centers of McGee, Chestnut and Ladue.

20 The second criteria require each wire center to also meet the business line criteria of
21 at least 38,000 business lines. Schedule 7 outlines AT&T's interpretation that the three wire
22 centers exceed the TRRO criteria of at least 38,000 business lines for DS3 loops.

23 Q. Please explain Schedule 7.

1 A. Schedule 7 outlines information supplied to Staff and the FCC from AT&T on
2 business line counts for the McGee, Chestnut and Ladue wire centers. Based on this
3 information and AT&T's interpretation of business line counts, it appears to support that the
4 business line count exceeds the TRRO criteria of 38,000 business lines for each wire center.
5 There may be a dispute on some of the wholesale numbers for UNE loop information but
6 Staff notes that the McGee and Chestnut wire centers exceed the 38,000 threshold using the
7 ARMIS 43-08 information before any wholesale UNE loop definitional issues are raised.

8 Q. What is Staff's position on business line counts?

9 A. Staff's position is that AT&T's business line count as submitted to the FCC
10 properly identifies the business line criteria. Specifically, the FCC Rule (47 C.F.R. §51.5)
11 identifies the number of business lines in a wire center as "the sum of all incumbent LEC
12 business switched access lines, plus the sum of all UNE loops connected to that wire center."
13 Staff previously outlined its recommendation on business line definitional issues on pages 12
14 through 15 of this Direct Testimony. Based on that discussion, Staff agrees that the McGee,
15 Chestnut and Ladue wire centers exceeds the business line criteria of 38,000 or more business
16 lines for DS3 loops.

17 Q. Please summarize Staffs investigation for non-impairment loops.

18 A. Based on Staffs investigation, Schedule 6A outlines that AT&T identified no
19 wire centers as meeting the TRRO criteria for DS1 loops.

20 Schedule 6A outlines that the three (McGee, Chestnut and Ladue) wire centers
21 identified by AT&T meet the first non-impairment criteria of four or more fiber-based
22 collocators for DS3 loops. Also, Staff agrees that the three (McGee, Chestnut and Ladue)
23 wire centers meet the second criteria of 38,000 or more business lines for DS3 loops.

SUMMARY

Q. What is Staff's recommendation for dedicated transport?

A. Based on Staff's investigation to date, Staff recommends that the following nine wire centers be designated as Tier 1 wire centers for dedicated transport: Hiland, Westport, McGee, Springfield McDaniel, Springfield Temple, Chestnut, Jefferson, Ladue and Creve Coeur.

Likewise, based on Staff's investigation to date, Staff recommends that the following five wire centers be designated as Tier 2 wire centers for dedicated transport: Springfield Tuxedo, Parkview, Prospect, Kirkwood and Bridgeton.

Q. What is Staff's recommendation for loops?

A. Based on Staff's investigation to date, Staff's recommends that the McGee, Chestnut and Ladue wire centers meet the non-impairment criteria for DS3 loops.

Q. Does this conclude your Direct Testimony?

A. Yes, it does.

Missouri Public Service Commission
Case No. TO-2006-0360
TRRO Criteria

DEDICATED INTEROFFICE TRANSPORT - TRRO Criteria

Impairment Designation - Tier 1 (Meet at least one criteria)

Wire Center CLLI Code	Wire Center Name	Fiber-Based Collocator Threshold	Business Line Threshold	Tandem Switching Location
KSCYMO02	Hiland	Four or more	38,000 or more	
KSCYMO05	Westport	Four or more	38,000 or more	
KSCYMO55	McGee	Four or more	38,000 or more	
SPFDMOMC	Springfield McDaniel	Four or more	38,000 or more	
SPFDMOTE	Springfield Temple			Tandem Switching Location
STLSMO01	Chestnut	Four or more	38,000 or more	
STLSMO05	Jefferson	Four or more	38,000 or more	
STLSMO21	Ladue	Four or more	38,000 or more	
STLSMO27	Creve Coeur	Four or more	38,000 or more	

Impairment Designation - Tier 2 (Meet at least one criteria)

Wire Center CLLI Code	Wire Center Name	Fiber-Based Collocator Threshold	Business Line Threshold
SPFDMOTU	Springfield Tuxedo	At least three	24,000 or more
STLSMO07	Parkview	At least three	24,000 or more
STLSMO08	Prospect	At least three	24,000 or more
STLSMO41	Kirkwood	At least three	24,000 or more
STLSMO42	Bridgeton	At least three	24,000 or more

Missouri Public Service Commission
Case No. TO-2006-0360
Dedicated Transport - Fiber-Based Collocators

Tier 1 Wire Centers

CLLI Code	Wire Center	Identified by AT&T Number of Fiber-Based Collocators	TRRO Fiber-Based Criteria	Fiber-Based CLEC Verification
KSCYMO02	Hiland	4	Four or more	4
KSCYMO05	Westport	4	Four or more	4
KSCYMO55	McGee	11	Four or more	10
SPFDMOMC	Springfield McDaniel	5	Four or more	4
SPFDMOTE	Springfield Temple (Tandem)			
STLSMO01	Chestnut	6	Four or more	6
STLSMO05	Jefferson	6	Four or more	6
STLSMO21	Ladue	5	Four or more	5
STLSMO27	Creve Coeur	5	Four or more	4

Tier 2 Wire Centers

SPFDMOTU	Springfield Tuxedo	3	At least three	2
STLSMO07	Parkview	3	At least three	3
STLSMO08	Prospect	3	At least three	3
STLSMO41	Kirkwood	3	At least three	3
STLSMO42	Bridgeton	3	At least three	3

Schedule 2B
Is deemed
Highly
Confidential
In its
Entirety

Schedule 2C
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Highly
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In its
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Missouri Public Service Commission**Data Request**

Data Request No. 0049
Company Name AT&T Missouri
Case/Tracking No. TO-2006-0360
Date Requested 10/17/2006
Issue Telephone Specific - Other Telephone Specific Issues
Requested From Robert Gryzmala
Requested By Mike Scheperle
Brief Description NA

See Attachment

Description See attached
Due Date 11/6/2006

The attached information provided to Missouri Public Service Commission Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the Missouri Public Service Commission Staff if, during the pendency of Case No. before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the AT&T Missouri office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to AT&T Missouri and its employees, contractors, agents or others employed by or acting in its behalf.

Security Public
Rationale NA

With Proprietary and Highly Confidential Data Requests a Protective Order must be on file.

Schedule 2D - 1

Missouri Public Service Commission

Data Request Questions – Southwestern Bell Telephone L.P. d/b/a AT&T Missouri
Case No. TO-2006-0360

In Supplemental response to Data Request 28, AT&T identified wire center SPFDMOTL as a tandem switching location and a Tier 1 designation. Please provide supporting documentation for classifying SPFDMOTL as a tandem switching location and a Tier 1 designation.

- Q. IN SUPPLEMENTAL RESPONSE TO DATA REQUEST 28, AT&T IDENTIFIED WIRE CENTER SPFDMOTL AS A TANDEM SWITCHING LOCATION AND A TIER 1 DESIGNATION. PLEASE PROVIDE SUPPORTING DOCUMENTATION FOR CLASSIFYING SPFDMOTL AS A TANDEM SWITCHING LOCATION AND A TIER 1 DESIGNATION.
- A. AT&T Missouri identified SPFDMOTL as a Tier 1 wire center because SPFDMOTL is an AT&T Missouri tandem switching location with no line-side switching facilities (switching facilities that serve an end user loop) that serves as a point of traffic aggregation accessible by CLECs. The FCC rule 47 C.F.R. § 51.319(e)(3)(i) requires that all such locations be classified as Tier 1 wire centers.

As stated above, SPFDMOTL is an AT&T Missouri tandem switching location with no line side switching facilities. This simply means that all of the connections from the switch in this office connect trunk to trunk to other facilities. With trunk to trunk only connectivity, SPFDMOTL serves as a point of traffic aggregation accessible to CLECs and AT&T's network. SPFDMOTL was the only wire center identified as a trunk to trunk wire center by AT&T Missouri in the state of Missouri.

Missouri Case No. TO-2006-0360
PSC Staff
Request No. 3
RFI No. 3-49
Page 2 of 2

Responsible Person: Carol Chapman
Associate Director-Witness Support
Four AT&T Plaza, Room 2070.06
Dallas, TX 75202

Mark Nevels
Area Manager-Collocation
Three AT&T Plaza, Room 720.G2
Dallas, TX 75202

Missouri Public Service Commission
Case No. TO-2006-0360
Business Line information

DEDICATED INTEROFFICE TRANSPORT - TRRO Criteria

Impairment Designation - Tier 1 (Meet one criteria or both)

Wire Center CLLI Code	Wire Center Name	TRRO Business Line Threshold	Identified By AT&T Meeting Threshold
KSCYMO02	Hiland	38,000 or more	No
KSCYMO05	Westport	38,000 or more	No
KSCYMO55	McGee	38,000 or more	Yes
SPFDMOMC	Springfield McDaniel	38,000 or more	No
STLSMO01	Chestnut	38,000 or more	Yes
STLSMO05	Jefferson	38,000 or more	No
STLSMO21	Ladue	38,000 or more	Yes
STLSMO27	Creve Coeur	38,000 or more	No

Impairment Designation - Tier 2 (Meet one criteria or both)

Wire Center CLLI Code	Wire Center Name	TRRO Business Line Threshold	Identified By AT&T Meeting Threshold
SPFDMOTU	Springfield Tuxedo	24,000 or more	Yes
STLSMO07	Parkview	24,000 or more	Yes
STLSMO08	Prospect	24,000 or more	No
STLSMO41	Kirkwood	24,000 or more	No
STLSMO42	Bridgeton	24,000 or more	No

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Missouri Public Service Commission
Case No. TO-2006-0360
TRRO Criteria

LOOPS - TRRO Criteria

Impairment Designation - DS1 Loop (Meet both criteria)

Wire Center CLLI Code	Wire Center Name	Fiber-Based Collocator Threshold	Business Line Threshold
None	None	Four or more	60,000 or more

Impairment Designation - DS3 Loop (Meet both criteria)

Wire Center CLLI Code	Wire Center Name	Fiber-Based Collocator Threshold	Business Line Threshold
KSCYMO55	McGee	Four or more	38,000 or more
STLSMO01	Chestnut	Four or more	38,000 or more
STLSMO21	Ladue	Four or more	38,000 or more

Missouri Public Service Commission

Case No. TO-2006-0360

Loops - Fiber-Based Collocators

CLLI Code	Wire Center	Identified by AT&T Number of Fiber-Based Collocators	TRRO Fiber-Based Criteria	Fiber-Based CLEC Verification
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DS1 Loops - None

DS3 Loops

KSCYMO55	McGee	11	Four or more	10
STLSMO01	Chestnut	6	Four or more	6
STLSMO21	Ladue	5	Four or more	5

Schedule 6B
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Schedule 7
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