

Exhibit No.:
Issues: Phase 2 - Loops & Transport
Witness: James M. Maples
Sponsoring Party: Sprint
Type of Exhibit: Direct Testimony
Case No.: TO-2004-0207
Date Testimony Prepared: January 12, 2004

**SPRINT MISSOURI, INC.
AND
SPRINT COMMUNICATIONS COMPANY, L.P.**

DIRECT TESTIMONY

OF

JAMES M. MAPLES

**IN THE MATTER OF A COMMISSION INQUIRY INTO
THE POSSIBILITY OF IMPAIRMENT WITHOUT
UNBUNDLED LOCAL CIRCUIT SWITCHING WHEN
SERVING THE MASS MARKET**

CASE NO. TO-2004-0207

Jefferson City, Missouri
January 2004

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

In the Matter of a Commission Inquiry)
into the Possibility of Impairment without)
Unbundled Local Circuit Switching When)
Serving the Mass Market)

Case No. TO-2004-0207

AFFIDAVIT OF JAMES M. MAPLES

STATE OF KANSAS)
) ss:
COUNTY OF JOHNSON)


I, James M. Maples, being of lawful age and duly sworn, dispose and state on my oath the following:

1. I am presently Senior Manager, Regulatory Policy for Sprint Missouri, Inc.
2. I have participated in the preparation of the attached Direct Testimony in question and answer form to be presented in the above entitled case;
3. The answers in the attached Direct Testimony were given by me; and,
4. I have knowledge of the matters set forth in such answers and that such matters are true and correct to the best of my knowledge and belief.



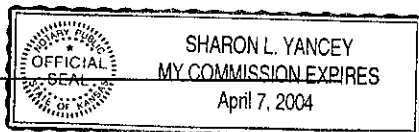
JAMES M. MAPLES

Subscribed and sworn to before me on this 12th day of January, 2004.



NOTARY PUBLIC

My Appointment Expires:



1 **BEFORE THE PUBLIC SERVICE COMMISSION**
2 **OF THE STATE OF MISSOURI**
3 **DIRECT TESTIMONY**

4 **OF**

5 **JAMES M. MAPLES**

6
7
8 **Q. Please state your name, business address, employer and current position.**

9 A. My name is James M. Maples. My business address is 6450 Sprint Parkway,
10 Overland Park, KS 66251. I am employed as Senior Manager – Regulatory Policy
11 for Sprint/United Management Company.

12
13 **Q. Please summarize your qualifications and work experience.**

14 A. I received a Bachelor of Science degree from East Texas State University,
15 Commerce, Texas, in December 1973 with majors in mathematics and industrial
16 technology. During that period, beginning in 1968, I was also employed by
17 Sprint/United Telephone Texas as an installer/repairman of residential, simple and
18 complex business systems and as a central office switchman. I completed the
19 company's Management Training program in 1974 and was promoted to the
20 position of Revenue Requirement Analyst later that same year.

21
22 For the next seventeen (17) years I held positions of increasing responsibilities in
23 state, regional and corporate Sprint organizations. During that period, I prepared
24 or was responsible for jurisdictional separation studies, revenue budgets, demand

1 forecasts, access charge rates, and financial reporting to various regulatory
2 agencies.

3
4 From 1991 through 1995, as Manager Cost Allocations at Sprint/United
5 Management Corporation, I developed financial models for alternative regulation,
6 participated in a two-year project to develop a system-wide product costing
7 model, developed and trained personnel on revenue budget models, and
8 standardized systems for separations costing through system design, development,
9 testing and implementation.

10
11 In 1995, I accepted the position of Manager-Pricing/Costing Strategy and for 17
12 months coordinated several system-wide teams that were charged with the
13 identification and development of methods, procedures, and system changes
14 required to implement local competitive services. During that period, I
15 coordinated the technical support needed to establish and maintain relationships
16 with Competitive Local Exchange Carriers (CLECs).

17
18 From September 1996 through July 1999, I held the position of manager of
19 Competitive Markets – Local Access with the responsibility for pricing unbundled
20 network elements, supporting negotiations with new competitive carriers, and
21 assisting in implementation issues.

1 I began my current position in August 1999. My responsibilities include the
2 review of legislation, court rulings and state Commission orders affecting
3 telecommunications policy, interpreting the impact to the corporation, developing
4 positions, communicating them throughout the organization, and representing
5 them before regulatory bodies such as the Public Service Commission of the State
6 of Missouri.

7
8 **Q. Have you previously testified before state regulatory commissions?**

9 A. Yes. I have testified before the Florida, Nevada, and California regulatory
10 commissions regarding interconnection and network unbundling issues. I have
11 also previously provided testimony in Phase 1 of this case regarding the
12 appropriate loop cut-over.

13
14 **Q. What is the purpose of your testimony?**

15 A. The purpose of my testimony is to provide Sprint's position regarding the
16 application of FCC-defined triggers and the development of the potential
17 deployment analysis, which will be used in this proceeding to determine non-
18 impairment for DS1, DS3 and dark fiber unbundled loops at specific customer
19 locations and DS1, DS3 and dark fiber unbundled dedicated transport on specific
20 routes.

1 **Q. What are the FCC-defined triggers that are applicable to this proceeding?**

2 A. A trigger is a measure of competition created by the FCC. It establishes
3 conditions that must be met in order for a state commission to remove an
4 Incumbent Local Exchange Carrier's (ILEC) unbundling obligation for a DS1,
5 DS3 or dark fiber loop to a specific customer location or DS1, DS3 or dark fiber
6 dedicated transport on a specific route. The FCC established two types of triggers
7 for loops and transport in the Triennial Review Order,¹ (1) competitive wholesale
8 facilities and (2) self-provisioning, which are not applicable for every loop and
9 transport capacity level (DS1, DS3 and dark fiber). The competitive wholesale
10 facilities trigger is met when the required number of providers other than the
11 ILEC have deployed transmission facilities to the specific customer location or
12 over the route in question and is offering alternative facilities to other carriers on a
13 wholesale basis, at the same capacity level. The self-provisioning trigger is met
14 when providers other than the ILEC have provisioned facilities to the specific
15 customer premises or specific route in question and are using it to serve
16 customers, at the same capacity level. The triggers for the specific loop and
17 transport capacity levels are discussed in more detail later on in my testimony, but
18 the following chart summarized the FCC's requirements.

¹ Report and Order and Order on Remand and Further Notice of Proposed Rulemaking, *In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338; *Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, CC Docket No. 96-98; *Deployment of Wireline Services Offering Advanced Telecommunications Capability*, CC Docket No. 98-147, FCC 03-36 (Released August 21, 2003) (Herein referred to as the Triennial Review Order or TRO).

1

UNE	FCC National Finding	Market Definition	Competitive Triggers
Enterprise Loops	Impaired	Customer Location Specific	DS1: 2 or more wholesale DS3: 2 or more self provision or 2 or more wholesale Dark Fiber: 2 or more self provision
Dedicated Transport	Impaired	Route Specific	DS1: 2 or more wholesale DS3: 3 or more self provision or 2 or more wholesale Dark Fiber: 3 or more self provision or 2 or more wholesale

2

3 **Q. If the appropriate trigger is met for a specific loop or specific transport**
4 **route, can the Commission still require the ILEC to provide access to the**
5 **unbundled loop or dedicated transport?**

6 A. No. Sprint believes that the rules require a finding of no impairment for a loop to
7 a specific customer location or dedicated transport on a specific route when the
8 appropriate trigger has been met. This means that the ILEC no longer has the
9 obligation to offer access to an unbundled loop to the specific customer location
10 or dedicated transport on the specific route.

11

12 **Q. Can the Missouri Public Service Commission use a combination of wholesale**
13 **and self-provisioning triggers to make a finding of non-impairment?**

14 A. No. A condition of non-impairment can only be determined based on triggers
15 when either one or the other trigger is met. For example, the rules for DS3 loops

1 include both the self-provisioning and wholesale triggers. Either trigger can be
2 met when two or more competing providers qualify for one or the other, but a
3 condition of non-impairment cannot be declared if both triggers have only one
4 carrier meeting them.

5
6 **Q. Is it necessary for both the self-provisioning and wholesale triggers to be met**
7 **before the Commission can make a finding of no impairment?**

8 A. No. A finding of no impairment can be reached through the application of only
9 one trigger. This interpretation is consistent with statements in the TRO such as,
10 "If the state commission makes a finding of no impairment based on the
11 application of the Self-Provisioning Trigger, it is not necessary to separately apply
12 the Competitive Wholesale Facilities Trigger."² In addition, the self-provisioning
13 trigger does not apply to DS1 loops and DS1 dedicated transport.

14
15 **Q. What evidence should the Missouri Public Service Commission require in**
16 **order to determine if a trigger has been met?**

17
18 A. The FCC described the states' role in these proceedings as one of fact-finding.³
19 The determination should therefore be based on real, discoverable evidence.
20 Triggers are met when the state commission determines that the appropriate
21 number of providers are supplying the services or facilities in question for the
22 specific customer location or specific route. Once a customer location or route

² ¶332, TRO

³ ¶328, ¶394, TRO

1 has been selected for study, it is a matter of collecting information from the
2 providers that are actually supplying services or facilities to that customer
3 location or over the transport route and evaluating the information with respect to
4 the trigger criteria in the rules. The critical aspect of applying the competitive
5 triggers is that it is based on what is actually occurring, not what could be. The
6 FCC found "that actual competitive deployment is the best indicator that
7 requesting carriers are not impaired, and therefore emphasize that this quantitative
8 trigger is the primary vehicle through which non-impairment findings will be
9 made. We recognize, however, that this high-capacity loop trigger measures only
10 the existing of *actual* deployed competitive alternatives at a customer location
11 rather than whether the particular customer location *could* be economically served
12 by competitive carriers through the deployment of alternative loop transmission
13 facilities."⁴

14
15 **Q. If the self-provisioning or wholesale trigger is met for a specific loop or**
16 **transport route, does the TRO allow the Commission to make a finding of**
17 **non-impairment on some other basis?**

18 **A.** Yes, the rules require that state commissions conduct a potential deployment
19 analysis for DS3 and dark fiber unbundled loops and DS3 and dark fiber
20 dedicated transport if no triggers are met. Such an analysis is not allowed for DS1
21 loops and DS1 transport.

22

⁴ 335, TRO, See also ¶410 for similar comments regarding dedicated transport.

1 **Q. What is the potential deployment analysis and when is it conducted?**

2 A. The potential deployment analysis is an economic exercise to determine if
3 competing carriers can economically deploy their own facilities to a specific
4 customer location or secure such facilities from other providers. The FCC rules
5 provide a list of factors that must be considered in the analysis such as the cost of
6 constructing facilities for the specific topography, rights-of-way issues and the
7 existence of facilities based competition. In order to reach a finding of no
8 impairment a state commission must determine that denying access to unbundled
9 elements does not pose a barrier or barriers to entry that are likely to make entry
10 into a market uneconomic.⁵

11

12 **Q. Must the potential deployment analysis be done on a customer specific**
13 **location or interoffice route basis?**

14 A. Yes. The analysis would be conducted in response to a claim from an ILEC that a
15 loop to a specific customer location or dedicated transport on a specific route
16 should be removed from its unbundling obligation on that basis.

17

18 **Q. Can additional loops and transport routes be removed from ILEC**
19 **unbundling obligations after this proceeding is completed?**

20 A. Yes. After this initial proceeding, the FCC's rules require state commissions to
21 conduct a review using the same criteria "within six months of the filing of a

⁵ ¶84, TRO

1 petition or other pleading to conduct such a review."⁶ Sprint believes that state
2 commissions have the flexibility to determine the exact process consistent with
3 the procedures that they normally employ; however, the six-month time limit is
4 not variable.⁷

5

6 **Q. Specific to Missouri and this case, does Sprint believe that any of the triggers**
7 **have been met for either unbundled loops or unbundled dedicated transport**
8 **based on the information that has been provided in this proceeding?**

9 A. No. The information that has been provided to date has not contained sufficient
10 detail to make a factual determination of non-impairment for any customer
11 locations or transport routes.

12

13 **Enterprise Loops**

14 **Q. What is an unbundled loop?**

15 A. An unbundled loop is a transmission facility between a main distribution frame in
16 a central office and the loop demarcation point at the end-user customer premises.
17 The facility can consist of all copper, all fiber, or combination of copper, fiber and
18 electronics. The loop demarcation point is where the ownership of the facility
19 transitions from the ILEC to the end user. For example, a simple residential loop
20 is the pair of wires going from the phone company's central office to the
21 customer's house, terminating on a network interface device (NID). Customer
22 owned inside wire connects the NID with telephones or other equipment inside

⁶ §51.319(a)(7)(ii) and §51.319(e)(4)(ii), Code of Federal Regulations
⁷ Footnote 993, TRO

1 the customer's home. In this situation, the NID would be considered the loop
2 demarcation point.

3

4 **Q. You stated earlier that the FCC-competitive triggers for loops are to be**
5 **assessed by specific customer location? What is a specific customer location?**

6 A. Sprint believes that the term "customer location" refers to a building or unit of
7 property. A customer location can house one or more individual customers. The
8 basis for that interpretation is the second qualification for meeting the wholesale
9 trigger contained in §51.319(a)(4)(ii)(B) and §51.319(a)(5)(i)(B)(2) of the Code
10 of Federal Regulations, which states that the competing carriers must have
11 "access to the entire customer location, including each individual unit within that
12 location."

13

14 **Q. What is the importance of this distinction between customer location and**
15 **access to each individual unit within a location?**

16 A. The self-provisioning trigger for DS3 loops and dark fiber loops require that
17 competing providers have deployed facilities to the customer location but does
18 not include the additional requirement that the providers have access to each
19 individual unit with the location. This means that the self-provisioning trigger
20 can be met for DS3 loops if 2 or more competing providers have deployed their
21 own DS3 facilities to a customer location and are serving at least one customer at

1 that location, but not necessarily all customers at that location.⁸ With respect to
2 the wholesale transfer, this is not true as ILECs must also demonstrate that the
3 wholesale provider offers access to all customers in the customer location.

4
5 **Q. Does this give ILECs the ability to prevent competing providers from gaining**
6 **access to customers at a specific location?**

7 A. No. ILECs have an obligation to provide unbundled access to inside wire that
8 they own or control as a subloop. This obligation is irrespective of capacity level
9 or type of loop and is not removed via application of the competitive triggers.⁹
10 For example, assume that a competitive provider has installed DS3 loop facilities
11 to a building, has not installed any inside wire, and the existing inside wire is
12 owned or controlled by the ILEC. If the building owner does not allow the
13 competing provider to install its own inside wire the only recourse is to utilize the
14 inside wire owned or controlled by the ILEC.

15

16 **DS1 Enterprise Loops**

17 **Q. What is a DS1 unbundled loop?**

18 A. A DS1 unbundled loop is an unbundled loop that has a total digital signal speed of
19 1.544 megabytes per second. A DS1 loop can provide 24 individual voice grade
20 (DS0) circuits. An example of a DS1 customer application may include a small
21 business that requires 15 individual phone lines (rather than purchase 15
22 individual phone lines, the customer orders one DS1).

⁸ See ¶332 and footnote 979, TRO

⁹ §51.319(b)(2), Code of Federal Regulations

1 **Q. When must an ILEC provide access to a DS1 unbundled loop?**

2 A. An ILEC must provide access to DS1 unbundled loops to a specific customer
3 location if the wholesale trigger has not been met.

4
5 **Q. What is the wholesale trigger for a DS1 unbundled loop?**

6 A. Per the FCC rules, a minimum of two non-affiliated competing providers must
7 have deployed facilities to the customer location and offer DS1 loops over the
8 facilities on a widely available wholesale basis to requesting telecommunications
9 carriers. The facilities used by the competing providers can include dark fiber
10 that it has obtained on an unbundled, leased, or purchased basis as long as it has
11 attached its own optronics to it. In addition, the competing providers must have
12 access to the entire customer location.

13

14 **Q. Is there a limit to the number of DS1 loops that a CLEC can get to a specific**
15 **customer location?**

16 A. No, unlike the limit on DS3 loops, there is no limit to the number of DS1 loops
17 that a CLEC can order to a specific customer location.

18

19 **DS3 Enterprise Loops**

20 **Q. What is a DS3 unbundled loop?**

21 A. A DS3 unbundled loop is an unbundled loop that has a total digital signal speed of
22 44.736 megabytes per second. A DS3 unbundled loop is the equivalent of 28 DS1
23 loops or 672 DS0 loops. An example of a DS3 customer application may include

1 providing telecommunications services to a large business with hundreds of
2 centrex lines or digital PBX trunks along with high-speed circuits for various data
3 applications.

4
5 **Q. When must an ILEC provide access to a DS3 unbundled loop?**

6 A. An ILEC must provide access to a DS3 unbundled loop to a specific customer
7 location when the wholesale and self-provisioning triggers have not been met and
8 the state has determined that potential deployment is not feasible. In addition,
9 there is a limit of two DS3 loops per carrier for the specific customer location.

10

11 **Q. What is the self-provisioning trigger for a DS3 unbundled loop?**

12 A. Per the FCC rules, a minimum of two non-affiliated competing providers must be
13 providing DS3 services to customers at the specific customer location using
14 facilities that they have deployed themselves or are using their own optronics
15 attached to dark fiber obtained via a long-term right of use arrangement.

16

17 **Q. What is a long-term right of use arrangement?**

18 A. A long-term right of use arrangement, or IRU, is a long-term contract in which a
19 carrier has secured unrestricted use of facilities from a provider. The trigger is
20 limited to arrangements for dark fiber only.¹⁰ For example, a contract between a
21 carrier and a dark fiber provider that gives the carrier use of the dark fiber for a
22 20-year term without fear of cancellation, and allows the carrier to use the dark

¹⁰ See Footnotes 981 and 1265, TRO

1 fiber for any purpose, would qualify as an IRU. On the other hand, a contract
2 between a carrier and a dark fiber provider that restricts the use of the fiber to a
3 specific service, such as long distance services, or allows the provider to cancel
4 the contract solely at its discretion, would not qualify as an IRU.

5

6 **Q. What is the wholesale trigger for a DS3 unbundled loop?**

7 A. Per the FCC rules, a minimum of two non-affiliated competing providers must
8 have deployed facilities and offer DS3 loops over the facilities on a widely
9 available wholesale basis to requesting telecommunications carriers. The
10 facilities used by the competing providers can include dark fiber that it has
11 obtained on an unbundled, leased, or purchased basis as long as it has attached its
12 own optronics to it. In addition, the competing providers must have access to the
13 entire customer location.

14

15 **Q. You mention that there is a two DS3 cap per specific customer location. If**
16 **the building has multiple tenants, is this limit applied to the building or to**
17 **each tenant or individual unit within the building?**

18 A. As stated previously, the limit is applied to the building, not individual tenants.
19 The FCC determined that a competing provider can self-provision its own fiber
20 facilities when its capacity requirements surpass two DS3's per building.¹¹

21

¹¹ ¶298, ¶324, and footnote 954, TRO

1 **Dark Fiber Enterprise Loop**

2 **Q. What is a dark fiber loop?**

3 A. A dark fiber unbundled loop is an unbundled loop consisting of fiber within an
4 existing fiber optic cable that has not yet been activated by attaching optronics to
5 it. This means that the fiber has been deployed but not activated by connecting it
6 to the equipment necessary to provide service.¹²

7

8 **Q. When must ILECs provide access to a dark fiber unbundled loop?**

9 A. An ILEC must provide access to a dark fiber unbundled loop to a specific
10 customer location when the self-provisioning trigger has not been met and the
11 state has determined that potential deployment is not feasible.

12

13 **Q. What is the self-provisioning trigger for a dark fiber unbundled loop?**

14 A. Per the FCC rules, a minimum of two non-affiliated competing providers have
15 deployed their own dark fiber facilities to a specific customer location. Dark fiber
16 obtained via a long-term indefeasible right of use should also be considered;
17 however, dark fiber secured as an unbundled element should not be included.

18

¹² Footnote 628, TRO

1 **Dedicated Transport**

2 **Q. What is unbundled dedicated transport?**

3 A. Dedicated transport is interoffice transmission facilities connecting ILEC switches
4 or wire centers within a LATA.¹³ Dedicated transport is classified based on the
5 capacity of the service (i.e. DS1 and DS3) or the type of facility (i.e. dark fiber).
6 For example, Sprint's Jefferson City switch also serves the neighboring
7 Centertown exchange. The wire or fiber connecting Sprint's Jefferson City switch
8 equipment on Madison Street and the switch equipment in Centertown is an
9 example of dedicated transport.

10

11 **Q. What is a route?**

12 A. A route is a transmission path between two ILEC locations, either switches or
13 wire centers. In other words, the two end points of the route must either be an
14 ILEC switch or wire center. A particular route may pass through intermediate
15 switches or wire centers. A competing carrier does not have to self-deploy
16 dedicated transport over the same exact path, through the same intermediate
17 locations as the ILEC.¹⁴

18

19 **Q. What is a wire center?**

20 A. A wire center is a location in an ILEC network where it terminates loop facilities.
21 Usually located at central office switches, it will house a main distribution frame

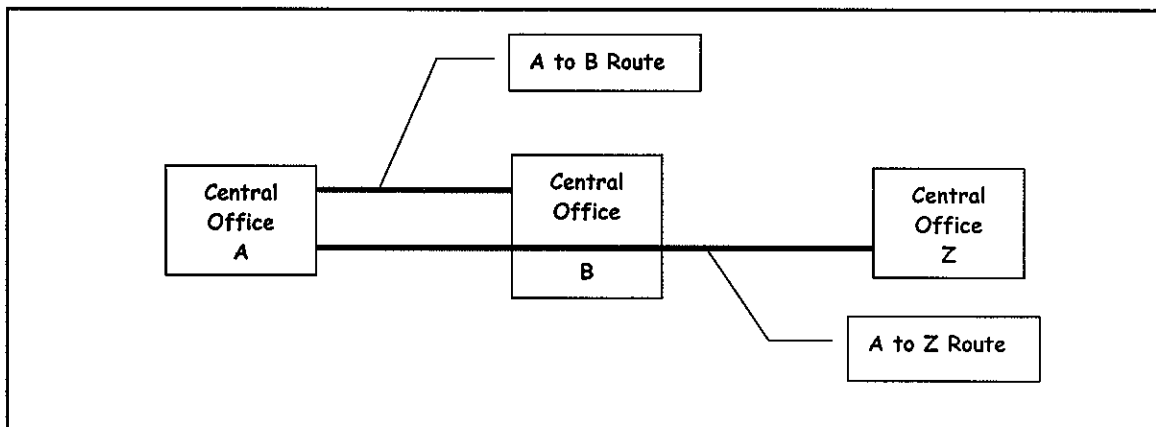
¹³ ¶365, TRO

¹⁴ ¶401, TRO

1 and equipment necessary to maintain the outside plant. An ILEC tandem central
2 office switch, located in a building where loops are not terminated, is an example
3 of a central office switch location that would not qualify as a wire center.
4

5 **Q. If a state commission determines that competing carriers are not impaired**
6 **without access to unbundled dedicated transport between ILEC central**
7 **offices A and B, but the same facilities are necessary to get from ILEC**
8 **central offices A to central office Z, must the state commission make a**
9 **finding of no impairment for the A to Z route?**

10 A. No. The question describes a scenario where ILEC central office B is an end
11 point for the A to B route, but is an intermediate location for the A to Z route.
12 The diagram below illustrates the situation. The rules are clear that state
13 commissions are to look at the end points of each route in making their
14 determination; therefore, it is possible for the triggers to be met for the A to B
15 route but not the A to Z route. If that were the case, dedicated unbundled
16 transport would have to be provided between A and B for circuits ordered
17 between A and Z.



1 **DS1 Transport**

2 **Q. What is unbundled dedicated DS1 transport?**

3 A. Unbundled dedicated DS1 transport is unbundled dedicated transport that has a
4 total digital signal speed of 1.544 megabytes per second and is dedicated to a
5 particular customer or carrier. Similar to the DS1 unbundled loops, dedicated
6 DS1 transport can be used to provide 24 individual DS0, voice-grade circuits.

7 **Q. When must ILECs provide access to unbundled dedicated DS1 transport?**

8 A. ILECs must provide access to unbundled dedicated DS1 transport for a particular
9 route when the wholesale trigger has not been met.

10

11 **Q. What is the wholesale trigger for unbundled dedicated DS1 transport?**

12 A. Per the FCC rules, a minimum of two un-affiliated competing providers must
13 meet several qualifications. First, each competing provider must have deployed
14 its own transport facilities along a particular route; including facilities that
15 incorporate the carriers own optronics attached to dark fiber that it has obtained
16 via an unbundled, leased, or purchased basis. Second, each competing provider
17 must be operationally ready to use those facilities and be willing to provide DS1
18 services on a widely available basis immediately. In other words, each competing
19 provider is actually in the business of providing wholesale DS1 services over the
20 facilities in question. Third, the ends of each provider's facilities located in ILEC
21 central offices or wire centers terminate in collocation arrangements and the ends
22 not located in ILEC locations terminate in an arrangement similar to collocation.
23 And fourth, requesting telecommunications carriers have reasonable and non-

1 discriminatory access to the competing providers facilities at any end point
2 through a cross-connect or similar arrangement. It does no good for the facilities
3 to be in place if requesting telecommunications carriers are denied access or the
4 terms of access create a barrier.

5 **DS3 Transport**

6 **Q. What is unbundled dedicated DS3 transport?**

7 A. Unbundled dedicated DS3 transport is unbundled dedicated transport that has a
8 total digital signal speed of 44.736 megabytes per second and is dedicated to a
9 particular customer or carrier. Similar to the DS3 unbundled loops, dedicated
10 DS3 transport can be used to provide 28 individual DS1 circuits or 672 individual
11 DS0, voice-grade circuits.

12

13 **Q. When must ILECs provide access to unbundled dedicated DS3 transport?**

14 A. ILECs must provide access to unbundled dedicated DS3 transport for a particular
15 route when the self-provisioning and wholesale triggers have not been met and the
16 state has determined that potential deployment is not feasible. In addition, there is
17 a limit of 12 DS3s per carrier for a specific transport route.

18

19 **Q. What is the self-provisioning trigger for unbundled dedicated DS3**
20 **transport?**

21 A. Per the FCC rules, a minimum of three un-affiliated competing providers must
22 have deployed their own transport facilities for the route in question and be
23 operationally ready to provide dedicated DS3 transport. The facilities can also

1 consist of optronics owned by the competing providers attached to dark fiber
2 obtained on a long-term, indefeasible right of use basis. In addition, the end
3 points of the facilities must terminate in a collocation arrangement when located
4 in ILEC central offices or wire centers and in similar arrangements in non-ILEC
5 locations.

6

7 **Q. What is the wholesale trigger for unbundled dedicated DS3 transport?**

8 A. The wholesale trigger for unbundled dedicated DS3 transport is the same as the
9 wholesale trigger for unbundled dedicated DS1 transport except that the service
10 being measured is DS3 transport instead of DS1 transport.

11

12 **Dark Fiber Transport**

13 **Q. What is unbundled dedicated dark fiber transport?**

14 A. Unbundled dedicated dark fiber transport is unbundled dedicated transport that
15 consists of optical interoffice transmission facilities (fiber) that have not been
16 activated.

17

18 **Q. When must ILECs provide access to unbundled dedicated dark fiber**
19 **transport?**

20 A. ILECs must provide access to unbundled dedicated dark fiber transport for a
21 specific route when the self-provisioning and wholesale triggers have not been
22 met and the state has determined that potential deployment is not feasible.

23

1 **Q. What is the self-provisioning trigger for unbundled dedicated dark fiber**
2 **transport?**

3 A. Per the FCC rules, a minimum of three un-affiliated competing providers must
4 have deployed their own dark fiber facilities for the route in question or secured
5 dark fiber on a long-term, indefeasible right of use basis. In addition, the end
6 points of the facilities must terminate in a collocation arrangement when located
7 in ILEC central offices or wire centers and in similar arrangements in non-ILEC
8 locations.

9
10 **Q. What is the wholesale trigger for unbundled dedicated dark fiber transport?**

11 A. The wholesale trigger for unbundled dedicated dark fiber transport is the same as
12 the wholesale triggers for DS1 and DS3 transport with one major addition. State
13 commissions can reach a finding of impairment for dark fiber transport even if
14 there are two or more competitive providers supplying wholesale dark fiber over a
15 specific route.

16
17 **Q. You mention that a state can make a finding of impairment for a specific**
18 **route even if there are two competing providers supplying wholesale dark**
19 **fiber. What is your basis for that claim?**

20 A. The rule¹⁵ allows states to consider the total demand for dark fiber for the route in
21 question and the competing providers' ability to meet the demand when deciding
22 if the wholesale trigger has been met. For instance, a specific route might have

¹⁵ §51.319(e)(3)(i)(B), Code of Federal Regulations

1 two competing providers with only 10 available spare fibers, yet there is demand
2 for 20 spare fibers from requesting telecommunications carriers. In that case,
3 state commissions have the latitude of determining that the wholesale trigger is
4 not met and that the ILEC must continue to provide access to unbundled
5 dedicated dark fiber transport.

6

7 **Q. Does this conclude your testimony?**

8 **A. Yes.**

9