

**BEFORE THE  
KENTUCKY PUBLIC SERVICE COMMISSION**

In the Matter of )  
 )  
Review of the Federal Communications )  
Commission's Triennial Review Order ) Case No. 2003-00379  
Regarding Unbundling Requirements )  
For Individual Network Elements )  
\_\_\_\_\_ )

**REBUTTAL TESTIMONY**

**OF**

**GARY J. BALL**

**ON BEHALF OF**

**COMPETITIVE CARRIERS OF THE SOUTH**

**March 31, 2004**

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1 **Q. PLEASE STATE YOUR FULL NAME, TITLE AND BUSINESS**  
2 **ADDRESS.**

3 A. My name is Gary J. Ball. I am an independent consultant providing  
4 analysis of regulatory issues and testimony for telecommunications  
5 companies. My business address is 47 Peaceable Street, Ridgefield,  
6 Connecticut 06877.

7

8 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS**  
9 **PROCEEDING?**

10 A. I am testifying on behalf of the Competitive Carriers of the South  
11 ("CompSouth"). CompSouth is a coalition of competitive carriers  
12 operating in the Southeast, including in Kentucky, that are committed to  
13 the advancement of policies that encourage local and long distance  
14 competition in the state.

15

16 **Q. ARE YOU THE SAME GARY J. BALL WHO SUBMITTED**  
17 **DIRECT TESTIMONY IN THIS PROCEEDING?**

18 A. Yes, I am.

19

20 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

21 A. The purpose of my rebuttal testimony is to analyze and rebut BellSouth's  
22 assertions regarding the self-provisioning and wholesale triggers for high

1 capacity loops and dedicated transport, and BellSouth’s claims that  
2 numerous customer locations satisfy the FCC’s rigorous potential  
3 deployment criteria.

4 In the *Triennial Review Order* (“TRO”),<sup>1</sup> the FCC determined that  
5 incumbent local exchange carriers (“ILECs”) must continue to provide  
6 CLECs with access to unbundled loops and dedicated transport at the DS1,  
7 DS3, and dark fiber capacity levels (“high-capacity loops” and “dedicated  
8 transport”). The FCC conducted a comprehensive analysis that resulted in  
9 the determination that CLECs are impaired without access to high-  
10 capacity loops and dedicated transport at the national level. Recognizing  
11 that there may be individual customer locations or transport routes where  
12 competitively provisioned loops and transport have been deployed such  
13 that CLECs are not impaired, the FCC developed a procedure known as  
14 the trigger analysis (“triggers”). The triggers are designed to give ILECs  
15 an opportunity to demonstrate to their respective state commissions that  
16 CLECs are not impaired without access to unbundled high-capacity loops  
17 or transport at *specific* customer locations or on *specific* dedicated

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<sup>1</sup> 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 (rel. Aug. 21, 2003).

1 transport routes for specific capacity levels. The two triggers the FCC  
2 adopted – self-provisioning and wholesale – must be evaluated  
3 independently and should not be blended in analysis.

4 In my testimony, I demonstrate that BellSouth, through its witness  
5 Shelley W. Padgett, has overstated the number of enterprise customer  
6 locations and transport routes that satisfy the self-provisioning and  
7 wholesale triggers. Additionally, I explain why BellSouth’s potential  
8 deployment analysis for high capacity loops contained in Dr. Andy  
9 Banerjee’s testimony fails to incorporate the FCC’s location-specific  
10 analysis. As a result, Dr. Banerjee's identifies unjustifiable quantities of  
11 customer locations for which BellSouth erroneously contends that the  
12 Commission should make non-impairment findings and relieve BellSouth  
13 of its unbundling obligations.

14

15 **Q. HOW IS YOUR TESTIMONY ORGANIZED?**

16 A. My testimony is divided into six sections. In Section I, I explain how  
17 BellSouth is incorrectly interpreting the requirements of the *TRO*. In  
18 Section II, I critique BellSouth’s self-provisioning trigger analysis, and I  
19 explain how BellSouth’s has overstated the number of buildings and  
20 routes that meet the triggers due to its incorrect interpretations of the *TRO*.  
21 In Section III, I provide a similar critique of BellSouth’s wholesale trigger

1 analysis. In Section IV, I describe the FCC’s potential deployment  
2 criteria. In Section V, I critique BellSouth’s potential deployment analysis  
3 relating to loops. In Section VI, I address Ms. Padgett’s inadequate  
4 proposal for transitioning services that have been delisted.

5

6 **I. BELLSOUTH’S INTERPRETATIONS OF THE TRO ARE**  
7 **INCORRECT**

8

9 **Q. MS. PADGETT MAKES SEVERAL ASSERTIONS IN HER**  
10 **TESTIMONY REGARDING PROPER INTERPRETATION OF**  
11 **THE TRO. CAN YOU SUMMARIZE THESE ASSERTIONS?**

12 **A.** Yes. First, Ms. Padgett claims that it is appropriate to include OC(n) level  
13 loop and transport services in the self-provisioning trigger analyses for  
14 DS1, DS3, and dark fiber. Second, Ms. Padgett asserts that CLECs do not  
15 have to be offering dedicated transport service between the “A” and “Z”  
16 wire centers for a route to be included, and that switched transport can be  
17 counted as dedicated transport for the purposes of the triggers. Third, Ms.  
18 Padgett asserts that a CLEC is not required to offer wholesale service at a  
19 specific location or route for that location or route to be counted toward  
20 the trigger. Fourth, Ms. Padgett asserts that it is not necessary for a CLEC  
21 to have access to an entire building to meet the self-provisioning triggers.  
22 Finally, Ms. Padgett asserts that wholesale loops do not have to be offered

1 at wire center collocation arrangements. Each of these assertions is  
2 incorrect.

3

4 **Q. DO THESE ASSERTIONS IMPACT BELLSOUTH'S PROPOSED**  
5 **TRIGGER ANALYSIS?**

6 A. Yes. The result of applying BellSouth's interpretations to the triggers is a  
7 larger number of buildings and routes than would result from an accurate  
8 and realistic reading of the *TRO*.

9

10 **Q. PLEASE EXPLAIN MS. PADGETT'S ASSERTION REGARDING**  
11 **INCLUDING OC(N) LEVEL SERVICES IN THE SELF-**  
12 **PROVISIONING TRIGGERS.**

13 A. On pages 8 and 27 of her direct testimony, Ms. Padgett states that OC(n)  
14 facilities should count toward the DS3 and DS1 triggers based upon her  
15 understanding that DS3 and DS1 services can be derived from an OC(n)  
16 system. For example, if a carrier has deployed an OC(3) system, that  
17 system potentially could be configured with the appropriate electronics to  
18 derive 3 DS3s, each of which can be multiplexed further to derive 28  
19 DS1s. Ms. Padgett asserts that the FCC intended for this "potential  
20 capability" of the CLEC networks to be included in the triggers.

21

1    **Q.    IS MS. PADGETT’S ASSERTION REGARDING OC(N) LEVEL**  
2           **SERVICES CONSISTENT WITH THE TRO’S IMPAIRMENT**  
3           **ANALYSIS AND CONCLUSIONS?**

4    A.    No. In fact, it is the opposite of the FCC’s approach. The FCC concluded  
5           that locations and routes served by OC(n) and multiple (3 and above) DS3  
6           facilities have significantly different economic characteristics from those  
7           served by stand alone dark fiber, DS1, and individual DS3 services. The  
8           FCC concluded that CLECs generally can receive enough revenue for  
9           OC(n) and multiple DS3 service locations and routes to offset their costs  
10          of network construction and installation, and made a national finding of  
11          non-impairment for those services. For locations and routes that only  
12          support standalone DS1 or DS3 services, the FCC concluded that CLECs  
13          cannot receive enough revenue to recover their costs of construction, and  
14          made a national finding of impairment that can be overcome on a location-  
15          or route-specific basis by the triggers. If the FCC had intended for any  
16          OC(n) level service to count toward the DS1, DS3, and dark fiber triggers,  
17          as Ms. Padgett suggests, then it would not have made such a distinction,  
18          and simply would have declared no impairment wherever any type of  
19          OC(n) service is provided instead of developing the capacity-specific  
20          triggers. The fact that the FCC concluded that enough customer demand  
21          exists to support OC(n) or 3 DS3 levels of loop or transport is not



1           indicative of a CLEC's ability to provide DS1, DS3 or dark fiber on those  
2           routes or at those locations.

3

4   **Q.   MS. PADGETT ASSERTS THAT, TO THE EXTENT A CLEC CAN**  
5           **DERIVE OR IS DERIVING A DS1 OR DS3 SERVICE FROM AN**  
6           **EXISTING OC(N) SYSTEM AT A GIVEN LOCATION, THEN**  
7           **THAT LOCATION SATISFIES THE TRIGGER. DID THE FCC**  
8           **EXPLICITLY REJECT SUCH AN APPROACH?**

9   A.   Yes. In its discussion of impairment for DS1 loops in paragraph 325, the  
10       FCC rejected such an arrangement as evidence of self-deployment. In  
11       footnote 957, the FCC stated “[w]e note that at least two competitive  
12       LECs have provided evidence that they self-provide some DS1 capacity  
13       loops to certain customer locations. *See supra* note 859. It is important to  
14       note, however, that this evidence of self-provisioning has been possible  
15       where that same carrier is already self-provisioning OC(n) or a 3 DS3  
16       level of loop capacity to that same customer location. Thus, this evidence  
17       does not support the ability to self-deploy stand-alone DS1 capacity loops  
18       nor does it impact our DS1 impairment finding.”

19

20   **Q.   BASED UPON THE FCC’S OWN INTERPRETATION IN**  
21           **FOOTNOTE 957, IS IT REASONABLE TO CONCLUDE THAT**

1           **THE FCC INTENDED TO EXCLUDE FROM THE TRIGGERS**  
2           **ANY LOCATION OR ROUTE WHERE AN OC(N) OR 3 DS3**  
3           **LEVEL OF CAPACITY HAS BEEN DEPLOYED BY A CLEC,**  
4           **EVEN IF INDIVIDUAL DS1S OR DS3S HAVE BEEN OR CAN BE**  
5           **DERIVED FROM THAT SYSTEM?**

6    A.    Yes. The FCC’s impairment analysis is based upon distinguishing  
7           locations with high demand for network capacity from those with low  
8           demand. The FCC already has assumed that CLECs can self-provision  
9           facilities to the “high demand” locations, which was the basis of its  
10          impairment analysis. In the FCC’s view, a CLEC that has deployed an  
11          OC(n) or 3 DS3 level of capacity to a location or a route is merely  
12          evidence that the location is a “high demand” location, for which the FCC  
13          already has concluded that no impairment exists. The narrower  
14          circumstance the FCC is seeking in the triggers are those “low demand”  
15          locations for which DS1, DS3, or dark fiber services are being deployed  
16          without the benefit of existing OC(n) or 3 DS3 facilities.

17  
18    **Q.    ON PAGES 24-25 OF HER TESTIMONY MS. PADGETT ASSERTS**  
19           **THAT THE TRO DOES NOT REQUIRE EVIDENCE THAT CLECS**  
20           **ARE OFFERING DEDICATED TRANSPORT SERVICE**  
21           **BETWEEN ILEC WIRE CENTERS IN ORDER FOR THE TWO**

1           **WIRE CENTERS TO BE CONSIDERED ENDPOINTS OF A**  
2           **DEDICATED TRANSPORT ROUTE. IS MS. PADGETT**  
3           **CORRECT?**

4    A.    No. In paragraph 401 of the *TRO*, in defining a transport route, the FCC  
5           states: “[w]e define a route, for purposes of these tests, as a connection  
6           between wire center or switch 'A' and wire center or switch 'Z.' Even if,  
7           on the incumbent LEC’s network, a transport circuit from 'A' to 'Z' passes  
8           through an intermediate wire center 'X,' *the competitive providers must*  
9           *offer service connecting wire centers 'A' and 'Z,'* but do not have to mirror  
10          the network path of the incumbent LEC through wire center 'X.'"  
11          (emphasis added). This definition is consistent with the FCC’s  
12          requirement that market-based evidence be used as the primary means of  
13          identifying routes where there may be no impairment.

14

15   **Q.    DOES THE *TRO* REQUIRE EVIDENCE THAT A CLEC**  
16           **PROVIDES OR OFFERS SERVICE AT EACH OF THE SPECIFIC**  
17           **CAPACITY LEVELS?**

18    A.    Yes. Each of the triggers set forth in the *TRO* requires evidence that the  
19           CLEC is providing service at that specific capacity level. For example, in  
20           describing the self-provisioning trigger in paragraph 329, the FCC states  
21           that the ILEC’s unbundling obligation can be eliminated “where a specific

1 customer location is identified as being *currently served* by two or more  
2 unaffiliated competitive LECs with their own loop transmission facilities  
3 *at the relevant loop capacity level.*” (emphasis added). For wholesale  
4 triggers, the ILEC’s unbundling obligations can be eliminated “where two  
5 or more unaffiliated competitive providers have deployed transmission  
6 facilities to the location and *are offering* alternative loop facilities to  
7 competitive LECs on a wholesale basis *at the same capacity level.*” For  
8 transport, the wholesale trigger definition in paragraph 400 states  
9 “[s]pecifically, we find that competing carriers are not impaired where  
10 competing carriers have available two or more alternative transport  
11 providers, not affiliate with each other or the incumbent LEC, *immediately*  
12 *capable and willing to provide transport at a specific capacity* along a  
13 given route between incumbent LEC switches or wire centers.” (emphasis  
14 added). For the self-provisioning transport trigger, the FCC requires that  
15 the trigger analysis be conducted for each specific capacity level. In the  
16 *TRO*, the FCC states “we note that where, through the application of this  
17 trigger, impairment for unbundled transport *at a particular capacity* is no  
18 longer found, substantial competitive transport facilities, and perhaps other  
19 capacities of UNE transport will be available. Therefore, if this trigger  
20 removes unbundled transport *at a particular capacity level*, carriers will  
21 remain capable of serving end-user customers in all areas.” *TRO* ¶ 407.

1

2 **Q. ON PAGE 20 OF HER TESTIMONY, MS. PADGETT ASSERTS**  
3 **THAT TRAFFIC ROUTED THROUGH A CLEC SWITCH**  
4 **SHOULD BE COUNTED AS DEDICATED TRANSPORT. DO YOU**  
5 **AGREE?**

6 A. No. This type of arrangement is switched transport. Switched transport  
7 cannot meet the FCC's definition of dedicated transport, because the route  
8 can not be dedicated to a particular customer or carrier. A dedicated  
9 transport route has two endpoints, and traffic only can flow between one  
10 endpoint to another endpoint. Switched transport, on the other hand, has  
11 at least three endpoints, as the function of the switch is to provide  
12 temporary connections between pairs of the numerous endpoints  
13 connected to the switch. The "route" in this instance is shared among all  
14 carriers and customers that are connected to the switch. This is why  
15 switched transport also is generally referred to as "shared transport."

16

17 **Q. DOES THE FCC DISTINGUISH SHARED TRANSPORT FROM**  
18 **DEDICATED TRANSPORT IN THE *TRO*?**

19 A. Yes. In footnote 1100 of the *TRO*, the FCC states "[w]e refer generically  
20 to "transport" in this Part as meaning dedicated transport. We address  
21 shared transport in Part VI.E. of this Order."

1

2 **Q. MS. PADGETT RELIES PRIMARILY UPON THE FCC’S USE OF**  
3 **THE TERM “SWITCH” IN THE RULES DEFINING A**  
4 **TRANSPORT ROUTE. IN WHAT CONTEXT IS THE FCC USING**  
5 **THAT TERM?**

6 A. The FCC is using the term switch as an alternative term for wire center  
7 and shorthand for “switching center” or “switch location.” This is  
8 consistent with the use of the term in paragraph 401, in which the FCC  
9 defines a route as a connection between wire center or switch “A” and  
10 wire center or switch “Z.” The industry uses numerous names to describe  
11 the ILEC building that houses the ILEC’s switches and serves as an  
12 aggregation point for loop facilities, including “central offices”, “end  
13 offices”, “wire centers”, “switching centers”, and “switching offices,” and  
14 it is common to shorten the term switching center to switch to describe  
15 such a building.

16

17 **Q. ON PAGE 14 OF HER TESTIMONY, MS. PADGETT ASSERTS**  
18 **THAT IT IS NOT NECESSARY TO DEMONSTRATE THAT A**  
19 **CLEC IS OFFERING WHOLESALE SERVICE AT A**  
20 **PARTICULAR LOCATION OR ON A GIVEN ROUTE TO MEET**

1           **THE WHOLESALE TRIGGERS. IS THIS CONSISTENT WITH**  
2           **THE FCC’S DEFINITION OF THE WHOLESALE TRIGGERS?**

3    A.    No. The FCC specifically provided that the wholesale triggers require  
4           location- or route-specific evidence of an offering of service. In paragraph  
5           337 of the *TRO*, in which the FCC defines the wholesale trigger for loops,  
6           the FCC states, “[w]here competitive LECs have two alternative choices  
7           (apart from the incumbent LEC’s network) to purchase wholesale high-  
8           capacity loops, including intermodal alternatives, *at a particular premises*,  
9           we conclude that impairment does not exist at that location for that type of  
10          high-capacity loop.” (emphasis added). Likewise, in defining the  
11          wholesale trigger for transport, in paragraph 400, the FCC states,  
12          “[s]pecifically we find that competing carriers are not impaired where  
13          competing carriers have available two or more alternative transport  
14          providers, not affiliated with each other or the incumbent LEC,  
15          immediately capable and willing to provide transport at a specific capacity  
16          *along a given route* between incumbent LEC switches or wire centers.”  
17          (emphasis added). Ms. Padgett’s proposal to essentially label every CLEC  
18          route and building as wholesale is clearly at odds with the FCC’s location-  
19          and route-specific requirements.

20    **Q.    ON PAGE 7 OF HER TESTIMONY, MS. PADGETT STATES**  
21    **THAT A CLEC’S SERVICE SHOULD QUALIFY FOR THE SELF-**

1           **PROVISIONING TRIGGER EVEN IF THE CLEC DOES NOT**  
2           **HAVE ACCESS TO THE ENTIRE CUSTOMER LOCATION. IS**  
3           **SHE CORRECT?**

4    A.    No. Ms. Padgett bases her assertion solely upon her contention that the  
5           rule for the wholesale loop trigger explicitly requires that the CLEC has  
6           access to the entire customer premises, while the self-provisioning trigger,  
7           according to Ms. Padgett, does not state the same in explicit terms. Ms.  
8           Padgett ignores the fact that the self-provisioning trigger also has a  
9           different set of requirements from the wholesale trigger, and that the FCC  
10          is using self-provisioned service as evidence that CLECs can overcome  
11          the economic barriers to providing standalone DS3 services. The self-  
12          provisioning trigger requires evidence of actual service to a customer  
13          location, as opposed to the wholesale trigger, which requires evidence of  
14          the ability to serve an entire building. This is a distinct difference for  
15          large multi-unit buildings, in that a customer location may be a particular  
16          floor within the building. To the extent that the CLEC only has  
17          provisioned service to that particular customer location, then there cannot  
18          be a finding of non-impairment for the remaining customers and customer  
19          locations within the building. To have the entire building meet the trigger  
20          would produce a result that is contrary to the FCC’s impairment analysis.  
21          Indeed, in the *TRO*, the FCC stated that CLECs must “have existing



1 facilities in place serving customers at that location.” *TRO* ¶ 332. If the  
2 CLEC only has provisioned facilities to serve part of the building, then the  
3 entire building does not meet this requirement. The appropriate  
4 interpretation is for the individual customer location to be counted toward  
5 the trigger, but not the entire building.

6  
7 **Q. ON PAGE 6 OF HER TESTIMONY, MS, PADGETT STATES**  
8 **THAT CLEC LOOPS THAT DO NOT TERMINATE IN A CLEC**  
9 **COLLOCATION SHOULD BE COUNTED TOWARD THE**  
10 **WHOLESALE TRIGGER. IS THIS AN APPROPRIATE**  
11 **INTERPRETATION?**

12 A. No. Ms. Padgett ignores the requirement that wholesale services be made  
13 “widely available” to other CLECs. To the extent that wholesale loops are  
14 made available at an ILEC wire center, all of the CLECs that have access  
15 to that wire center also will have reasonable access to the wholesale  
16 CLEC’s loops. As I described above, CLECs generally have configured  
17 their networks to use unbundled loops at the ILEC wire center. To the  
18 extent that a wholesale CLEC requires its customers to extend their  
19 networks to a different location, then the wholesale CLEC’s loops would  
20 not be widely available, and CLECs would be limited both economically  
21 and logistically from using the wholesale service.

1

2 **II. CRITIQUE OF BELLSOUTH'S SELF-PROVISIONING TRIGGER**  
3 **ANALYSIS**

4 **A. HIGH CAPACITY LOOPS**

5 **Q. HAVE YOU REVIEWED BELLSOUTH'S TESTIMONY**  
6 **CONCERNING THE APPLICATION OF THE SELF-**  
7 **PROVISIONING TRIGGER TO HIGH CAPACITY LOOPS?**

8 A. Yes, I have reviewed the testimony of Shelley W. Padgett regarding High-  
9 Capacity Loops beginning on page 4.

10

11 **Q. WHAT WERE BELLSOUTH'S CONCLUSIONS REGARDING**  
12 **THE SELF-PROVISIONING TRIGGER ANALYSIS?**

13 A. BellSouth has asserted that one customer location satisfies the self-  
14 provisioning trigger at both the DS3 and the dark fiber capacity levels.  
15 See Padgett Direct at Exhibit SWP-3.

16

17 **Q. PLEASE DESCRIBE THE PROCESS THAT BELLSOUTH USED**  
18 **TO IDENTIFY THIS HIGH CAPACITY LOOP LOCATION FOR**  
19 **ITS SELF-PROVISIONING TRIGGER ANALYSIS.**

20 A. BellSouth identified this customer location using discovery responses  
21 from competitive providers and data from GeoResults, a third-party  
22 marketing firm. BellSouth asserts that two competitive carriers provide

1 high capacity loops at the building at both the dark fiber and DS3 capacity  
2 levels, and thus claims that the self-provisioning trigger has been met.

3 BellSouth lists the following carriers as self-provisioning trigger  
4 providers: **\*\*\* BEGIN CONFIDENTIAL \*\*\***

5 **\*\*\* END CONFIDENTIAL \*\*\***

6

7 **Q. WHAT DATA DID BELLSOUTH RELY UPON TO REACH ITS**  
8 **CONCLUSION THAT THESE CARRIERS SELF-PROVIDE**  
9 **LOOPS?**

10 A. BellSouth used GeoResults data exclusively. **\*\*\* BEGIN**  
11 **CONFIDENTIAL \*\*\*** **\*\*\* END CONFIDENTIAL \*\*\***

12

13 **Q. DID BELLSOUTH VERIFY GEORESULTS DATA?**

14 A. There is no indication that BellSouth independently verified the  
15 GeoResults data.

16

17 **Q. BASED UPON YOUR REVIEW OF GEORESULTS OUTPUTS IN**  
18 **OTHER STATES, DOES GEORESULTS PROVIDE SUFFICIENT**  
19 **INFORMATION TO DETERMINE WHETHER CLECS ARE**  
20 **PROVIDING SERVICE CONSISTENT WITH THE SELF-**  
21 **PROVISIONING OR WHOLESALE TRIGGERS?**

1 A. No. GeoResults produces a lengthy list of companies for which it  
2 identifies as “Lit CLECs”, including retail establishments, banks,  
3 enterprise customer locations, paging companies, and long distance  
4 resellers. It does not appear to have the intelligence to distinguish actual  
5 fiber facilities from those using another carrier's facilities.  
6

7 **Q. HAS ANOTHER ILEC ACKNOWLEDGED THAT GEORESULTS**  
8 **FALSELY IDENTIFIES CLECS AS PRESENT IN BUILDINGS**  
9 **WHEN THEY ACTUALLY ARE NOT?**

10 A. Yes. For example, in Illinois, SBC testified that GeoResults had identified

11 **\*\*\* BEGIN CONFIDENTIAL \*\*\***

12 **\*\*\* END CONFIDENTIAL \*\*\***

13 Testimony of Rebecca L. Sparks on Behalf of SBC Illinois, Illinois  
14 Commerce Commission, Docket No. 03-0596, at 17 (Feb. 4, 2004).  
15

16 **Q. DID YOU REVIEW ANY OF THE DATA RESPONSES PROVIDED**  
17 **BY THESE CLECS?**

18 A. Yes. Only one of the two trigger candidates, **\*\*\* BEGIN**

19 **CONFIDENTIAL \*\*\***  
20

1                                   **\*\*\* END CONFIDENTIAL \*\*\*** based on information  
2           from GeoResults.

3  
4   **Q.    DID BELLSOUTH APPROPRIATELY IMPLEMENT THE SELF-**  
5    **PROVISIONING TRIGGER FOR HIGH CAPACITY LOOPS?**

6    A.   No. Only one CLEC admitted that it self-provisioned loops in Kentucky.  
7       There are no buildings for which two or more CLECs have stated that they  
8       self-provision service at either the DS3 or dark fiber level in Kentucky.  
9       As I stated above, BellSouth cannot rely on GeoResults data to support its  
10       claim that the trigger is satisfied. GeoResults, however, does not provide  
11       information regarding capacity, for example. As a result, the building that  
12       BellSouth identifies does not satisfy the self-provisioning trigger.

13  
14   **Q.    ABOVE YOU STATED THAT YOU REVIEWED THE \*\*\* BEGIN**  
15    **CONFIDENTIAL \*\*\***

16  
17  
18   **\*\*\* END CONFIDENTIAL \*\*\***

19    A.   No, **\*\*\* BEGIN CONFIDENTIAL \*\*\***

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**\*\*\* END CONFIDENTIAL \*\*\***

**Q. WHAT IS THE IMPACT OF REMOVING \*\*\* BEGIN  
CONFIDENTIAL \*\*\* \*\*\* END CONFIDENTIAL \*\*\* AS  
A TRIGGER CANDIDATE AT THIS LOCATION?**

**A. As I stated above, \*\*\* BEGIN CONFIDENTIAL \*\*\***

**\*\*\* END**

**CONFIDENTIAL \*\*\*** As a result, there is only one remaining trigger candidate listed at this location for each capacity level. To satisfy the self-provisioning trigger, there must be at least two carriers self-providing

1 loops at the appropriate capacity level at the building. Therefore, 500  
2 West Market Street cannot qualify for the self-provisioning trigger at any  
3 capacity level.

4

5 **Q. HOW SHOULD THE GEORESULTS DATA BE USED IN THE**  
6 **TRIGGER ANALYSES?**

7 A. The data could be used to develop a baseline list of buildings, which then  
8 could be presented to the CLECs. The CLECs, in turn, could validate  
9 whether the information contained in GeoResults is accurate and whether  
10 they are providing the appropriate type and capacity level of service  
11 required by the triggers.

12

13 **B. DEDICATED TRANSPORT**

14 **Q. HAVE YOU REVIEWED BELLSOUTH'S TESTIMONY**  
15 **CONCERNING THE APPLICATION OF THE SELF-**  
16 **PROVISIONING TRIGGER TO DEDICATED TRANSPORT**  
17 **ROUTES?**

18 A. Yes, I have reviewed the testimony of Shelley W. Padgett beginning on  
19 page 18.

20

1   **Q.   WHAT WERE BELLSOUTH’S CONCLUSIONS REGARDING**  
2           **THE SELF-PROVISIONING TRIGGER ANALYSIS FOR**  
3           **DEDICATED TRANSPORT?**

4   A.   BellSouth does not claim that any transport route in Kentucky satisfies the  
5           self-provisioning trigger at any capacity level. *See* Padgett Testimony at  
6           Exh. SWP-7.

7

8           **III.   CRITIQUE OF BELLSOUTH’S WHOLESALE TRIGGER**  
9   **ANALYSES**

10                                   **A.   HIGH CAPACITY LOOPS**

11   **Q.   HAVE YOU REVIEWED BELLSOUTH’S TESTIMONY**  
12           **CONCERNING THE APPLICATION OF THE WHOLESALE**  
13           **TRIGGER TO HIGH CAPACITY LOOPS?**

14   A.   Yes, I have reviewed the testimony of Shelley W. Padgett beginning at  
15           page 12.

16

17   **Q.   WHAT WERE BELLSOUTH’S CONCLUSIONS REGARDING**  
18           **THE WHOLESALE TRIGGER ANALYSIS?**

19   A.   BellSouth has asserted that the same building that it claimed for the self-  
20           provisioning trigger also satisfies the wholesale facilities trigger at the  
21           DS1 and the DS3 capacity levels. The customer location that BellSouth



1           claims satisfies the wholesale trigger is listed in Exhibits SWP-3 and  
2           SWP-4 to Ms. Padgett’s testimony.

3  
4   **Q.   DO YOU AGREE WITH BELLSOUTH’S CONCLUSIONS?**

5   A.   No. Based upon my review of the CLEC data responses, there is no  
6           evidence that either of the CLECs listed for the one building offer  
7           wholesale service at either the DS1 or the DS3 capacity levels have access  
8           to the entire building as required by the *TRO*, or have put in place the  
9           network capacity and back office systems necessary to provide an offering  
10          consistent with the requirements of the *TRO*.

11  
12   **Q.   WHAT WAS THE PROCESS BELLSOUTH USED TO IDENTIFY**  
13          **THE BUILDINGS THAT IT CLAIMS SATISFY THE**  
14          **WHOLESALE TRIGGER?**

15   A.   On page 13 of Ms. Padgett’s testimony, Ms. Padgett lists the broad range  
16          of sources that she used to identify carriers as wholesalers, including  
17          CLEC discovery responses, BellSouth’s “experience” in losing wholesale  
18          contracts, carriers’ advertisements, carriers’ public statements, and analyst  
19          and industry reports. Ms Padgett then continues with a creative assertion  
20          that the carrier does not even have to be currently selling wholesale  
21          service to qualify for the wholesale trigger. Instead, according to Ms.

1 Padgett, the carrier simply needs to express some sort of “willingness” to  
2 provide wholesale services. Under BellSouth’s view, all carriers are  
3 wholesalers, whether they realize it or not.

4

5 **Q. DOES THE *TRO* ALLOW FOR CLECS TO BE DECLARED**  
6 **WHOLESALE AGAINST THEIR WILL?**

7 A. No. The purpose of the wholesale trigger is to identify locations where  
8 CLECs have made an affirmative business decision to provide wholesale  
9 services, and have implemented the appropriate network configurations  
10 and back office support systems to provide a comparable service to that  
11 provided by the UNE that is being replaced. In paragraph 337 of the  
12 *TRO*, the FCC enumerates the numerous requirements that a CLEC must  
13 meet to be a wholesaler for the purposes of the trigger: “where the  
14 relevant state commission determines that two or more unaffiliated  
15 alternative providers...offer an equivalent wholesale loop product at a  
16 comparable level of capacity, quality, and reliability, have access to the  
17 entire multiunit customer premises, and offer the specific type of high-  
18 capacity loop over their own facilities on a widely available wholesale  
19 basis to other carriers desiring to service customers at that location, then  
20 incumbent LEC loops at the same loop capacity level serving that  
21 particular building will no longer be unbundled.” Clearly, the FCC

1 intends that CLECs only will be identified as trigger candidates if they  
2 have chosen to provide wholesale service to the given locations, and have  
3 implemented the necessary network and back-office systems to provide  
4 such services.

5

6 **Q. DID THE FCC REQUIRE EVIDENCE OF BACK OFFICE**  
7 **SUPPORT SYSTEMS TO QUALIFY A CLEC AS A**  
8 **WHOLESALER?**

9 A. Yes. In making its determination that there is “scant evidence of  
10 wholesale alternatives for serving customers at the DS1 level” in the *TRO*  
11 the FCC concluded that, “[t]he record indicates that even competitive  
12 carriers that have deployed their own loop facilities do not have the back  
13 office support systems in place that are necessary to offer any excess  
14 capacity on a wholesale basis to other competitive LECs.” *TRO* at note  
15 958.

16

17 **Q. WHY IS IT IMPORTANT THAT THE WHOLESALER TRIGGER**  
18 **BE TREATED SEPARATELY FROM THE SELF-PROVISIONING**  
19 **TRIGGER AND THAT CARE BE TAKEN TO AVOID**  
20 **INCORRECTLY LABELING A CARRIER AS A WHOLESALER?**

1     A.     Unlike the self-provisioning trigger, the wholesale trigger includes access  
2           to loops at the DS1 capacity level, meaning that CLECs potentially could  
3           be denied access to those loops if the wholesale trigger were met despite  
4           the FCC's finding that it is practically impossible for a CLEC to  
5           economically provision a standalone DS1 loop. DS1 loops are the primary  
6           means of provisioning service to medium-size enterprise customers for  
7           CLECs, and denial of DS1-loops would be a severe impediment to the  
8           CLEC's ability to provide competitive services.

9  
10    **Q.     DID BELLSOUTH PROPERLY VERIFY THE AVAILABILITY OF**  
11           **DS1 LOOP SERVICES ON A WHOLESALE BASIS FOR THE**  
12           **BUILDINGS IT LISTED?**

13    A.     No. According to BellSouth witness Padgett, BellSouth made an  
14           assumption that any existing fiber facility can provide DS1 level service,  
15           and that the appropriate level of customer demand exists to support  
16           standalone DS1 loops. This assumption is incorrect. DS1-level service  
17           only can be provided when a fiber facility has been equipped with the  
18           appropriate electronics, including an optical multiplexer with the  
19           capability of provisioning DS1 channels. The FCC was very clear in its  
20           requirement that wholesale service must be available at the specific  
21           capacity level in order for the trigger to be satisfied.

1

2 **Q. DID THE FCC ANTICIPATE THAT A VERY SMALL NUMBER**  
3 **OF BUILDINGS WOULD SATISFY THE WHOLESALE**  
4 **TRIGGERS?**

5 A. Yes. In paragraph 338 of the *TRO*, the FCC stated, “[w]e recognize that,  
6 while the record indicates that there are presently a limited number of  
7 alternative wholesale loop providers serving multiunit premises, we  
8 anticipate that a competitive market will continue to *develop*.” (emphasis  
9 added).

10

11 **Q. DOES THE CUSTOMER LOCATION THAT BELLSOUTH HAS**  
12 **IDENTIFIED SATISFY THE WHOLESALE PROVISIONING**  
13 **TRIGGER FOR EITHER DS1 OR DS3?**

14 A. No. **\*\*\* BEGIN CONFIDENTIAL \*\*\***

15

16

17 **\*\*\* END CONFIDENTIAL \*\*\***

18 BellSouth only identifies one other carrier at this location. Under the  
19 FCC's triggers, there must be two carriers that provide wholesale loops at  
20 each location and at each capacity level challenged. After **\*\*\* BEGIN**  
21 **CONFIDENTIAL \*\*\*** **\*\*\***

1           **END CONFIDENTIAL** \*\*\* there is only one remaining carrier allegedly  
2           providing wholesale service at the listed location, and, therefore, the  
3           location does not satisfy the wholesale trigger for loops at any capacity  
4           level, and cannot be delisted.

5

6

**B.     DEDICATED TRANSPORT**

7   **Q.**

**HAVE YOU REVIEWED BELLSOUTH'S TESTIMONY  
8           CONCERNING THE APPLICATION OF THE WHOLESALE  
9           TRIGGER TO DEDICATED TRANSPORT ROUTES?**

10   **A.**

Yes, I have reviewed the testimony of Shelley W. Padgett beginning on  
11           page 26.

12

13   **Q.**

**WHAT WERE BELLSOUTH'S CONCLUSIONS REGARDING  
14           THE WHOLESALE TRIGGER ANALYSIS?**

15   **A.**

BellSouth has asserted that six routes satisfy the wholesale trigger at the  
16           DS1, DS3, and dark fiber capacity levels. *See* Padgett Direct, Exhibits  
17           SWP-7-10.

18

19   **Q.**

**WHAT WAS THE PROCESS THAT BELLSOUTH USED TO  
20           IDENTIFY DEDICATED TRANSPORT ROUTES THAT IT  
21           CLAIMS SATISFY THE WHOLESALE TRIGGER?**

1 A. Similar to her process for loops, BellSouth witness Padgett developed a  
2 list of wire centers at which competitive providers have established  
3 collocation arrangements based upon information that BellSouth gathered  
4 in discovery and through examining its own collocation records.  
5 BellSouth then assumed that transport routes exist between each and every  
6 collocation arrangement within a given LATA for each individual carrier  
7 for both the DS3 and dark fiber capacity levels.

8

9 **Q. IS IT APPROPRIATE FOR BELLSOUTH TO IDENTIFY A**  
10 **ROUTE BASED SOLELY UPON ITS OWN COLLOCATION**  
11 **RECORDS?**

12 A. No. BellSouth does not have enough information to make a determination  
13 that a transport route satisfies the wholesale trigger based solely on its  
14 collocation records. For example, collocation records do not indicate  
15 whether the carrier actually is providing a transport service between those  
16 collocations. Nor does BellSouth have information regarding the capacity  
17 level at which the carrier provides service, if any, or whether the service is  
18 self-provisioned or wholesale.

19

1   **Q.   HAS BELLSOUTH IDENTIFIED “FALSE ROUTES” IN OTHER**  
2           **STATES BASED UPON FAULTY INTERNAL COLLOCATION**  
3           **RECORDS?**

4   **A.   Yes. As one example, in Florida, BellSouth identified \*\*\* BEGIN**  
5           **CONFIDENTIAL \*\*\***

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**Q.   DID BELLSOUTH PERFORM THE APPROPRIATE ANALYSIS**  
**TO DEMONSTRATE THAT THE SELF-PROVISIONING**  
**TRIGGERS WERE SATISFIED FOR DEDICATED TRANSPORT?**



1 A. No. BellSouth’s analysis relies exclusively on the “connect the dots”  
2 approach, in which it simply asserts that a transport route exists between  
3 each and every CLEC wire center collocation even if the CLEC itself  
4 denies or does not indicate that it provides a dedicated transport route  
5 between the two wire centers. Additionally, BellSouth relies almost solely  
6 upon its own unverified collocation records for all but one of the CLECs,  
7 an approach that has been highly inaccurate in other states.

8  
9 **Q. HOW MANY ROUTES MAY BE ELIGIBLE FOR THE**  
10 **WHOLESALE TRIGGER?**

11 A. Based on my review of the CLEC data responses, none of the routes  
12 BellSouth identified qualify for the wholesale trigger at any capacity level.

13  
14 **Q. PLEASE EXPLAIN WHY NONE OF THE ROUTES SATISFY THE**  
15 **WHOLESALE FACILITIES TRIGGER FOR DEDICATED**  
16 **TRANSPORT?**

17 A. There must be at least two carriers that provide wholesale dedicated  
18 transport on each dedicated transport route and at each capacity level to  
19 delist a particular route. \*\*\* **BEGIN CONFIDENTIAL** \*\*\*

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21

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**\*\*\* END CONFIDENTIAL \*\*\***

10 Therefore, not one of these transport routes satisfies the wholesale trigger.

11

12

Bellsouth, however, chose to ignore **\*\*\* BEGIN**

13

**CONFIDENTIAL \*\*\***

14

15

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**\*\*\* END CONFIDENTIAL \*\*\***

19

20

**Q. HAS BELLSOUTH PRESENTED EVIDENCE DEMONSTRATING**

21

**THAT THESE CARRIERS PROVIDE WHOLESALE LOOPS?**

1 A. No. First and foremost, there is no basis to disregard \*\*\* **BEGIN**  
2 **CONFIDENTIAL \*\*\***  
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**\*\*\* END CONFIDENTIAL \*\*\***thus further indicating that that the  
quoted statements lack the necessary information to demonstrate that a  
carrier truly is providing wholesale services at specific capacity levels on  
specific routes as required by the FCC's rules.

1    **Q.    WHAT FURTHER INFORMATION WOULD NEED TO BE**  
2           **GATHERED TO MAKE A DETERMINATION AS TO WHETHER**  
3           **ANY OF THE ROUTES BELLSOUTH LISTS ACTUALLY MEET**  
4           **THE WHOLESALE TRIGGER?**

5    A.    First, an evaluation must be made as to whether the CLECs currently are  
6           equipped and operationally ready to provide dedicated transport on the  
7           route at the relevant capacity level. Second, evidence must be gathered as  
8           to whether the CLEC is willing and capable of immediately providing  
9           wholesale service to another CLEC, including whether the CLEC has  
10          implemented all of the necessary back office systems necessary to provide  
11          such a service.

12

13                   **IV.    POTENTIAL DEPLOYMENT ANALYSIS**

14   **Q.    PLEASE DESCRIBE WHAT IS MEANT BY POTENTIAL**  
15           **DEPLOYMENT.**

16   A.    The potential deployment analysis essentially provides that BellSouth may  
17           attempt to demonstrate that no impairment exists for loop locations or  
18           transport routes even though the self-provisioning trigger has not been  
19           satisfied.

20

1   **Q.    ARE DS1-CAPACITY LEVEL LOOPS AND TRANSPORT**  
2           **ELIGIBLE FOR A POTENTIAL DEPLOYMENT CLAIM?**

3    A.    No. The FCC defined potential deployment as a theoretical substitute for  
4           the self-provisioning trigger. As such, only those capacity levels eligible  
5           for the self-provisioning trigger (DS3 and dark fiber) are eligible for  
6           potential deployment claims.

7  
8   **Q.    CAN AN ILEC MAKE A GENERAL CLAIM FOR POTENTIAL**  
9           **DEPLOYMENT, SUCH AS A CLAIM THAT NO IMPAIRMENT**  
10          **EXISTS FOR ALL BUILDINGS SERVED OUT OF A WIRE**  
11          **CENTER?**

12   A.    No. The FCC's language is clear that potential deployment claims must  
13          be location- or route-specific.

14  
15   **Q.    WHAT TYPE OF DEMONSTRATION MUST BELL SOUTH MAKE**  
16          **TO SUCCESSFULLY PROVE NO IMPAIRMENT EXISTS AT A**  
17          **LOCATION OR ROUTE EVEN THOUGH THE TRIGGERS HAVE**  
18          **NOT BEEN MET?**

19   A.    BellSouth must demonstrate *for each specific customer location and route*  
20          that, contrary to the FCC's impairment determination, multiple  
21          competitive providers would be able to overcome the significant

1 operational and economic barriers identified by the FCC and still be able  
2 to compete successfully. BellSouth therefore must demonstrate that the  
3 competitive providers would earn sufficient revenues relative to their  
4 significant fixed and sunk costs of providing dark fiber loops or transport,  
5 and fewer than two DS3s of traffic for loops or 12 DS3s of traffic for  
6 transport (the maximum amount of capacity that CLECs may purchase as  
7 UNEs) or dark fiber loops and dedicated transport to cover the costs.  
8 Again, this demonstration must be location-specific.

9  
10 **Q. WHAT ARE THE FACTORS THAT BELLSOUTH MUST**  
11 **DEMONSTRATE TO THE COMMISSION TO SATISFY THE**  
12 **POTENTIAL DEPLOYMENT TEST FOR HIGH CAPACITY**  
13 **LOOPS TO A SPECIFIC CUSTOMER LOCATION?**

14 A. In paragraph 335 of the *TRO*, the FCC requires that “when conducting its  
15 customer location specific analyses, a state must consider and may also  
16 find no impairment at a particular customer location even when this  
17 trigger has not been facially met *if* the state commission finds that no  
18 material economic or operational barriers at a customer location preclude  
19 competitive LECs from economically deploying loop transmission  
20 facilities to that particular customer location at the relevant loop capacity  
21 level. In making a determination that competitive LECs *could*

1 economically deploy loop transmission facilities at that location at the  
2 relevant capacity level, the state commission must consider numerous  
3 factors affecting multiple CLECs' ability to economically deploy facilities  
4 at that particular customer location." In the *TRO*, the FCC then lists the  
5 following factors:

- 6 • Evidence of alternative loop deployment at that particular customer  
7 location;
- 8 • Local engineering costs of building and using transmission  
9 facilities;
- 10 • The cost of underground or aerial laying of fiber or copper;
- 11 • The cost of equipment needed for transmission;
- 12 • Installation and other necessary costs involved in setting up  
13 service;
- 14 • Local topography such as hills and rivers;
- 15 • Availability of reasonable access to rights-of-way;
- 16 • Building access restrictions/costs; and
- 17 • Availability/feasibility of similar quality/reliability alternative  
18 transmission technologies at that particular location.

19 *TRO* ¶ 335.

20  
21 **Q. WHAT ARE THE FACTORS THAT BELLSOUTH MUST**  
22 **DEMONSTRATE TO THE COMMISSION TO SATISFY THE**  
23 **POTENTIAL DEPLOYMENT TEST FOR DEDICATED**  
24 **TRANSPORT ROUTES?**



1     A.     For transport, the FCC also found that actual deployment is the best  
2             indicator of impairment, but noted that a state commission must also  
3             consider potential deployment for a particular route “that it finds is  
4             suitable for ‘multiple, competitive supply,’ but along which [the actual  
5             deployment] trigger is not facially satisfied.” *Id.* ¶ 410. The factors that  
6             the Commission must evaluate for transport are similar to those for loops  
7             and include the following characteristics:

- 8                     • Local engineering costs of buildings and utilizing transmission  
9                     facilities;
- 10                    • The cost of underground or aerial laying of fiber;
- 11                    • The cost of equipment needed for transmission;
- 12                    • Installation and other necessary costs involved in setting up  
13                    service;
- 14                    • Local topography such as hills and rivers;
- 15                    • Availability of reasonable access to rights-of-way;
- 16                    • The availability or feasibility of alternative transmission  
17                    technologies with similar quality and reliability;
- 18                    • Customer density or addressable market; and
- 19                    • Existing facilities-based competition.

20             *TRO* ¶ 410.

21                     Each of these characteristics must be evaluated in the potential  
22             deployment analysis. For that reason, an ILEC that claims that CLECs are  
23             not impaired without access to UNEs in serving a specific route will need

1 to introduce evidence with respect to each factor that demonstrates that the  
2 factor alone, or in combination with others, does not operate as a barrier to  
3 the CLECs' ability to deploy the facilities in question.

4

5 **Q. WITH RESPECT TO BOTH HIGH CAPACITY LOOPS AND**  
6 **DEDICATED TRANSPORT, WHAT SORT OF EVIDENCE MUST**  
7 **BELLSOUTH OFFER WITH RESPECT TO CAPACITY LEVELS?**

8 A. Any evidence an ILEC presents on potential deployment necessarily will  
9 have to address the limitations on the availability of UNEs that are *already*  
10 *built* into the FCC's new unbundling rules. Thus, with respect to loops,  
11 BellSouth's factual showing and analysis concerning potential deployment  
12 needs to explain how CLECs are not impaired in their ability to deploy  
13 dark fiber loops or up to two DS3 loops at a specific customer location.  
14 *TRO* ¶ 324. Similarly, with respect to transport, BellSouth's analysis must  
15 reflect the FCC's decision that CLECs are impaired without unbundled  
16 access to dark fiber transport and twelve or fewer DS3s of transport along  
17 any given transport route. *TRO* ¶ 388.

18

19 **Q. IS IT LIKELY THAT MOST ILECS WOULD BE ABLE TO MAKE**  
20 **THIS SORT OF SHOWING?**

1     A.     It is difficult to see how an ILEC would make such a detailed and site-  
2           specific showing. The FCC already has restricted the availability of loop  
3           and transport UNEs by placing strict limits on the capacity levels (2 DS3s  
4           for loops, 12 DS3s for transport) that any individual CLEC may obtain at a  
5           given location. The record before the FCC contained overwhelming  
6           evidence, summarized in the *TRO*, that CLECs remain impaired without  
7           the limited access granted by the *TRO* to UNEs at these lower-capacity  
8           levels, because “the potential revenue stream associated” with lower-  
9           capacity facilities “is many times smaller than that” of a higher-capacity  
10          facility. *TRO* ¶ 320 n.945. It is highly unlikely that these lower revenues  
11          would cover the high fixed and sunk costs of facilities deployment, *id.*,  
12          and consequently, the lower revenues compound the “other economic and  
13          operational barriers” that CLECs face in deploying their own facilities.  
14          *TRO* ¶ 320 & n. 946; *see, e.g., TRO* ¶¶ 205-07, 298-99 & n.860, 302-06,  
15          324-27 & n.954, 360, 370-71, 376, 381-93, 399. Moreover, loop  
16          economics depend upon certain best-case assumptions – such as the  
17          existence of a fiber transport ring with an access point (that is, a point  
18          where a lateral line may be attached to an add/drop multiplexer to allow  
19          interconnection between the loop facility and the fiber ring) close to the  
20          building in question – that may not be satisfied at any given location.  
21          Finally, no one seriously contests that “build it and they will come” is

1 anything but a failed entry strategy, and that CLECs therefore need access  
2 to UNEs or wholesale capacity at some minimum threshold level in order  
3 to obtain a customer base sufficient to support the building of their own  
4 facilities.

5 Therefore, to demonstrate potential deployment in accordance with  
6 the *TRO*, the ILEC would have to show – for each particular building or  
7 transport route – that the revenues available to a CLEC at that location  
8 would be sufficient to overcome the fixed and sunk costs of constructing a  
9 facility at that location (taking into account all the location-specific  
10 variables listed by the FCC) that affect those costs and revenues. In  
11 addition, the ILEC’s evidence also would need to show that no other  
12 economic and operational barriers exist for the particular location or route  
13 in question. The inherent limitations of fixed, low-capacity facilities to  
14 generate adequate revenues to cover the high costs of loop deployment  
15 make it highly unlikely that any ILEC could make the requisite showing  
16 for any individual location or route. The universal nature of entry barriers  
17 such as gaining necessary rights of way, gaining adequate building access,  
18 deploying the facilities, and convincing customers to accept the delays  
19 inherent in service provided over new facilities, make it even more  
20 doubtful that ILECs could provide evidence for *specific* locations that  
21 would overcome the FCC’s findings of impairment and demonstrate

1 instead that there could be “multiple competitive supply” so that  
2 competition can be effectively served by denying CLECs access to  
3 unbundled facilities at locations where CLECs have not found it  
4 economical or desirable to deploy their own facilities.  
5

6 **V. CRITIQUE OF BELLSOUTH’S POTENTIAL DEPLOYMENT**  
7 **ANALYSIS**

8 **A. HIGH CAPACITY LOOPS**

9 **Q. HAVE YOU REVIEWED BELLSOUTH’S TESTIMONY**  
10 **CONCERNING THE APPLICATION OF THE POTENTIAL**  
11 **DEPLOYMENT ANALYSIS TO HIGH CAPACITY LOOPS?**

12 **A.** Yes, I have reviewed the testimony of Aniruddha (Andy) Banerjee.  
13

14 **Q. WHAT WERE THE CONCLUSIONS OF THE POTENTIAL**  
15 **DEPLOYMENT ANALYSIS AS PROVIDED BY BELLSOUTH?**

16 **A.** BellSouth, through Dr. Banerjee’s testimony, has asserted that 48  
17 customer locations satisfy the potential deployment analysis for high  
18 capacity loops.  
19

20 **Q. DO YOU BELIEVE IT IS CREDIBLE THAT THERE ARE MORE**  
21 **THAN 48 TIMES MORE BUILDINGS THAT BELLSOUTH**

1           **CLAIMS QUALIFY FOR POTENTIAL DEPLOYMENT THAN**  
2           **BELLSOUTH IDENTIFIED FOR SELF-PROVISIONING?**

3    A.    No. The current scope of CLEC networks represents more than 10 years  
4           of laborious efforts by individual companies, who have pieced together  
5           their networks building by building, working through the myriad issues  
6           facing companies that perform construction tasks in major city areas. At  
7           most of those buildings for which some form of service is being provided,  
8           installation of CLEC facilities were most likely economically justified  
9           based upon the provision of OC(n) level services. Also, it is likely that the  
10          remaining buildings (the ones not served by CLEC facilities) either are not  
11          as attractive due to the type of customers in the building, or the  
12          competitive providers have been dissuaded from entry due to other  
13          barriers such as building access or other building-specific issues. Finally,  
14          in the current financial environment, competitive carriers do not have the  
15          same level of available financing as they did in the previous years to  
16          justify new construction. It defies the realities of today's  
17          telecommunications marketplace – as well as basic common sense – to  
18          believe that, with all of these considerations, CLECs would be able to  
19          economically build out to even a small percentage of the buildings listed  
20          by BellSouth for the sole purpose of provisioning only one or two DS3s of

1           capacity or providing dark fiber, let alone to the number of buildings that  
2           BellSouth identifies.

3

4   **Q.   PLEASE DESCRIBE, BASED UPON WITNESS BANERJEE’S**  
5           **TESTIMONY, THE PROCESS BELLSOUTH USED TO**  
6           **DETERMINE THAT 48 BUILDINGS SATISFIED THE**  
7           **POTENTIAL DEPLOYMENT ANALYSIS FOR HIGH CAPACITY**  
8           **LOOPS.**

9   A.   Dr. Banerjee developed a list of buildings that had a monthly  
10       “telecommunications spend” of \$5,000 or more, or \$60,000 annually. To  
11       obtain an estimate of building spending levels, Dr. Banerjee used data it  
12       obtained from TNS Telecoms, a third-party market research firms. For  
13       each building, Dr. Banerjee then performed what he described as a net  
14       present value analysis on each building based upon hypothetical cost  
15       assumptions. Buildings that had a positive net present value based upon  
16       his assumptions were then presumed to pass the potential deployment  
17       analysis.

18

19   **Q.   DO YOU BELIEVE THAT THE PROCESS BELLSOUTH USED**  
20           **COMPLIES WITH THE STANDARDS THE FCC SET FORTH IN**  
21           **THE TRO?**

1 A. No. Even before any analysis of the cost or revenue information provided  
2 by BellSouth is considered, it appears that BellSouth simply is performing  
3 the wrong analysis. Instead of identifying those buildings for which the  
4 costs of providing 2 DS3 loops is less than the expected revenues,  
5 BellSouth appears to have identified buildings for which it believes there  
6 is a demand for at least 3 DS3s. These locations are not relevant to the  
7 analysis, as the FCC has already made the determination that no  
8 impairment exists for locations that demand 3 or more DS3s.

9  
10 **Q. WHAT IS THE BASIS OF YOUR BELIEF THAT BELL SOUTH IS**  
11 **IDENTIFYING BUILDINGS THAT HAVE DEMAND FOR AT**  
12 **LEAST 3 DS3S WORTH OF CAPACITY?**

13 A. Typically, the monthly revenue associated with an individual DS3 loop is  
14 in the range of \$1,000 to \$2,000 depending upon how long a commitment  
15 a customer makes. If it is assumed that a CLEC will receive at least  
16 \$5,000 per month, that is indicative of at least 3 DS3s, for which the FCC  
17 has already concluded that sufficient revenue exists to recover the cost of  
18 loop deployment.

19



1   **Q.    CAN YOU PROVIDE AN EXAMPLE OF HOW AN**  
2           **APPROPRIATE ANALYSIS SHOULD HAVE BEEN**  
3           **PERFORMED?**

4    A.    Yes. Assuming a CLEC could expect to receive \$15,000 per year in  
5           revenue for a DS3 loop, the maximum revenue it could receive for two  
6           DS3s would be \$30,000 per year. The potential deployment analysis  
7           would then attempt to locate buildings such that a CLEC’s annualized cost  
8           of deploying loops, as defined through the FCC’s factors, does not exceed  
9           \$30,000.

10

11   **Q.    APART FROM THE MISGUIDED APPROACH AND LACK OF**  
12           **GRANULARITY IN BELLSOUTH’S ANALYSIS, WHAT ARE**  
13           **SOME OF THE SPECIFIC CRITICISMS YOU HAVE OF**  
14           **BELLSOUTH’S APPROACH ON LOOP POTENTIAL**  
15           **DEPLOYMENT?**

16   A.    I have several specific criticisms. First, BellSouth does not analyze any of  
17           the building-specific factors listed in the *TRO* for any of the buildings it  
18           has identified. Second, BellSouth’s use of a building’s “total telecom  
19           spend” is an inappropriate means of identifying potential buildings, and it  
20           is also inappropriate to assume the “total telecom spend” of a building as  
21           potential revenue a CLEC could expect to receive. Third, the cost figures

1 BellSouth relies upon are flawed, in that they assume practically no cost of  
2 fiber construction. Finally, several key assumptions used in Dr.  
3 Banerjee’s Net Present Value analysis, notably the project life and  
4 discount rates, are inappropriate and have the result of inflating the  
5 resulting net present value of each building location.

6

7 **Q. DO YOU BELIEVE THAT THE PROCESS BELLSOUTH USED**  
8 **COMPLIES WITH THE GUIDANCE THE FCC PROVIDED IN**  
9 **THE *TRO*?**

10 A. No. BellSouth's process is the exact opposite of what the FCC specified in  
11 the *TRO*. The FCC made clear that, with respect to both the triggers and  
12 to potential deployment analysis, “a more granular analysis should be  
13 applied on a *customer-by-customer location basis*.” *TRO* ¶ 328 (emphasis  
14 added). It bears repeating that this granular analysis was to be conducted  
15 on a building-by-building basis in order to identify those limited instances  
16 in which multiple alternative loop deployment was possible even though it  
17 had not yet taken place. BellSouth, however, has attempted to “de-  
18 granularize” this analysis by instead developing a list of generic criteria  
19 that it then applied equally to hundreds of customer locations. But these  
20 generic criteria do not address or even take into account, the specific  
21 factors identified in the *TRO*. For example, two factors that the *TRO*

1 requires to be evaluated for each building are (1) availability of rights-of-  
2 way and (2) building access restrictions; BellSouth's testimony does not  
3 evaluate these factors for even a single building on its potential  
4 deployment list.

5

6 **Q. IS BELLSOUTH'S USE OF A BUILDING'S ESTIMATED TOTAL**  
7 **ANNUAL TELECOMMUNICATIONS SPENDING, IN THIS**  
8 **INSTANCE \$60,000, AN APPROPRIATE WAY OF IDENTIFYING**  
9 **BUILDINGS FOR THE POTENTIAL DEPLOYMENT ANALYSIS?**

10 A. No. The appropriate approach should be to determine whether a building  
11 has sufficient demand for DS3 or dark fiber loops to allow for multiple,  
12 competitive supply into the building. A large building (or even a single  
13 customer in that building) easily could surpass the \$60,000 threshold  
14 without having any demand whatsoever for DS3 or dark fiber loops.  
15 BellSouth should have the capability based upon its own customer records  
16 to determine which buildings actually have a demand for the specific  
17 capacity levels, the number of which should be significantly less than the  
18 quantity meeting the \$60,000 threshold.

19

20 **Q. IS IT APPROPRIATE TO USE THE \$60,000 ESTIMATED TOTAL**  
21 **BUILDING TELECOMMUNICATIONS SPENDING AMOUNT AS**

1           **A POTENTIAL REVENUE STREAM CLECS COULD EXPECT TO**  
2           **RECEIVE TO OFFSET THEIR COST OF LOOP**  
3           **CONSTRUCTION?**

4    A.    No. Consistent with the capacity-specific nature of the analysis, the only  
5           revenues that should be considered are those specific to the building of  
6           individual DS3s or dark fiber loops. This is consistent with the FCC’s  
7           determination as mentioned above that “the potential revenue stream  
8           associated” with lower-capacity facilities “is many times smaller than  
9           that” of a higher-capacity facility. *TRO* ¶ 320 n.945. Notably, the view  
10          here must be of a carrier that has the opportunity to obtain access to UNEs  
11          (otherwise an impairment review is unnecessary). Thus, since a  
12          requesting carrier may only obtain up to 2 DS3s at UNE rates per  
13          customer location, the question is whether that carrier – not a carrier  
14          seeking to serve a larger demand – could afford to self-deploy its own  
15          facilities to serve at that level. Accordingly, any reference to a “total  
16          building revenue” is inappropriate. That figure certainly would contain  
17          revenues other than those for the specific one or two DS3s that a  
18          requesting carrier could obtain as a UNE, and can be expected to include  
19          potential OC(n) circuits, long distance service, and data services, and, as a  
20          result, improperly skews such analysis. If the total revenues for such  
21          services were to be included in an potential deployment analysis, without

1 access to specific revenues available from specific uncommitted customers  
2 in a location, the Commission only could anticipate that they would  
3 generate average revenues for services provided over such facilities.  
4 BellSouth does not offer proof of either. Moreover, if total revenues from  
5 the use of a loop are to be considered, then the analysis must consider all  
6 of the costs of providing all services over such facilities. BellSouth also  
7 fails to produce this evidence. Moreover, this revenue figure does not  
8 consider that enterprise customers in commercial buildings are generally  
9 tied up in long-term contracts that make them economically unavailable  
10 for a competitive provider.

11 Since loops are used as an input to other services and represent  
12 only a small portion of the facilities needed to provide entire high capacity  
13 services to enterprise customers, it would be both reasonable and  
14 consistent to measure the costs of provisioning such facilities against the  
15 revenues that a CLEC could earn by providing DS3s or dark fiber as a  
16 wholesale offering. It is also consistent with CLEC “build or buy”  
17 analyses for an individual building. For example, a CLEC's decision to  
18 replace an existing special access line into a building with the CLEC's  
19 own DS3 loop is driven solely by whether the cost to provision its own  
20 loop is less than the cost of purchasing the special access line.

21

1   **Q.    DOES DR. BANERJEE’S ANALYSIS USE ANY BUILDING**  
2           **SPECIFIC COSTS FOR HIS POTENTIAL DEPLOYMENT**  
3           **ANALYSIS?**

4    A.    No. Dr. Banerjee’s analysis uses two primary cost sources for his  
5           analysis: hypothetical network cost information provided by BellSouth  
6           witness Wayne Gray, and hypothetical expense information based upon a  
7           proprietary BellSouth marketing model called the BellSouth Analysis of  
8           Competitive Entry (“BACE”).

9  
10   **Q.    IS THE COST INFORMATION PROVIDED BY BELLSOUTH**  
11           **WITNESS GRAY MEANINGFUL IN THE CONTEXT OF THE**  
12           **FCC’S POTENTIAL DEPLOYMENT REQUIREMENTS?**

13   A.    No. Mr. Gray provided cost information that was used in developing  
14           TELRIC rates. It is important to remember that, unlike typical costing  
15           proceedings used to establish UNE rates, the potential deployment  
16           analysis requires an evaluation of costs specific to CLECs, that do not  
17           have BellSouth’s scale, access to buildings, and access to rights-of-way.

18  
19   **Q.    WHAT ARE THE KEY ELEMENTS OF THE NETWORK COST**  
20           **INFORMATION AS PRESENTED BY BELLSOUTH WITNESS**  
21           **GRAY?**

1 A. Mr. Gray provides hypothetical network cost information for the optical  
2 electronics used to derive a DS3 loop, and a hypothetical per-foot cost  
3 estimate of fiber extension.

4

5 **Q. PLEASE EXPLAIN WHY YOU DO NOT BELIEVE IT IS**  
6 **REASONABLE TO DETERMINE POTENTIAL DEPLOYMENT**  
7 **BASED UPON A HYPOTHETICAL COST FACTOR BASED UPON**  
8 **DISTANCE BETWEEN CLEC FACILITIES AND SPECIFIC**  
9 **BUILDINGS.**

10 A. The use of a hypothetical per-foot cost factor that BellSouth proposes is  
11 flawed because does not take into consideration the location-specific  
12 obstacles that might be located between the CLEC's facilities and the  
13 building, especially in large city areas. Numerous obstacles and delays  
14 almost always occur for projects that involve digging up city streets, and  
15 the costs of such endeavors often accumulate to levels much higher than  
16 originally expected. Probably the most famous recent example of this is  
17 the "Big Dig", a highway renovation project that was recently completed  
18 in Boston. That project, which replaced only 7.5 miles of highway, ended  
19 up taking 15 years and costing in excess of \$14 billion, \$10 billion more  
20 than originally expected. Although this obviously is an extreme example,  
21 it demonstrates that construction and installation of facilities over even

1 short distances in city areas can present much greater economic barriers  
2 than constructing facilities over longer distances in rural areas.

3

4 **Q. FROM A PRACTICAL PERSPECTIVE, DOES THE COST**  
5 **INFORMATION THAT MR. GRAY PROVIDES MAKE SENSE IN**  
6 **THE CONTEXT OF POTENTIAL DEPLOYMENT?**

7 A. No. Mr. Gray's analysis assumes a total installed investment of \*\*\*  
8 **BEGIN CONFIDENTIAL \*\*\***

9 **\*\*\*END CONFIDENTIAL \*\*\*** including conduit and pole cost  
10 factors. This means that, for a 1,000 foot build, BellSouth is assuming  
11 less than \*\*\* **BEGIN CONFIDENTIAL \*\*\*** **\*\*\* END**  
12 **CONFIDENTIAL \*\*\*** of construction costs, which reflects practically no  
13 construction at all, as construction projects of this type can often run into  
14 the hundreds of thousands of dollars depending upon the circumstances.

15

16 **Q. PLEASE COMMENT ON THE NET PRESENT VALUE ANALYSIS**  
17 **PERFORMED BY DR. BANERJEE.**

18 A. Although Dr. Banerjee appropriately uses a net present value analysis to  
19 evaluate the economic viability, the assumptions he uses in the analysis do  
20 not reflect the requirements of the FCC's potential deployment analysis.  
21 First, as mentioned above, all of the inputs, both revenue and cost, are



1           hypothetical. Outside of the estimated distance between a CLEC and the  
2           building, there is not one building-specific analysis for any of the nine  
3           criteria outlined by the FCC. Second, Dr. Banerjee chooses two  
4           unrealistic assumptions for the net present value analysis, both of which  
5           increase the resulting net present value for each building.

6

7   **Q.   PLEASE DESCRIBE THE FIRST UNREALISTIC ASSUMPTION**  
8           **DR. BANERJEE USES IN HIS ANALYSIS.**

9   A.   Dr. Banerjee choose a 10 year project life for his analysis, meaning that he  
10       is assuming that the CLEC will have 10 years of revenue from customers  
11       in the building to recover the up front capital costs and ongoing expenses  
12       related to the loop. Obviously, the longer the project life, the more  
13       revenue there is available to offset the costs.

14

15 **Q.   BASED UPON YOUR EXPERIENCE, IS 10 YEARS AN**  
16       **APPROPRIATE PERIOD TO ASSUME A CLEC WILL BE ABLE**  
17       **TO RETAIN A CUSTOMER?**

18 A.   No. Typically, customers are unwilling to commit to contracts greater  
19       than 5 years, especially as prices of telecommunications services tend to  
20       decline over time due to competition and technological innovation. In my

1           experience, it would be unlikely for a CLEC to allocate capital to a project  
2           that did not produce a positive net present value until the 9<sup>th</sup> or 10<sup>th</sup> year.

3

4   **Q.    WHAT IS THE SECOND UNREALISTIC ASSUMPTION USED IN**  
5   **DR. BANERJEE'S NPV ANALYSIS?**

6   A    Dr. Banerjee uses a discount rate of only 10.8%. The discount rate is  
7        supposed to reflect the risk-adjusted cost-of-capital of the company  
8        making the investment, and is used to reduce the weighting of cash flows  
9        farther out into the future for companies with higher risk. The practical  
10       effect of a lower discount rate is that cash flows in later years will have  
11       more bearing than they would if a higher discount rate were used, and thus  
12       provides for a higher net present value.

13

14   **Q.    WHY DO BELIEVE THAT A DISCOUNT RATE OF 10.8% IS**  
15   **UNREASONABLE FOR A CLEC?**

16   A.   This discount rate is approximately the same as that ordered of BellSouth  
17        in the most recent Florida UNE proceeding, and actually significantly  
18        lower than that proposed by BellSouth for itself in those proceedings. As  
19        BellSouth is an incumbent local exchange carrier, it's investments are  
20        perceived to be less risky relative to CLECs, especially after the numerous  
21        CLEC bankruptcies over the past several year.

1

2 **Q. HOW DID BELL SOUTH REPRESENT ITS OWN COST OF**  
3 **CAPITAL IN THE PREVIOUS UNE PROCEEDING?**

4 A. In Florida Docket No. 990649-TP, BellSouth witness Billingsley testified  
5 that the 11.25% cost of capital is BellSouth had proposed is reasonable  
6 and conservative given his estimate that BellSouth's actual cost of capital  
7 ranges from 14.61% to 14.91%.

8

9 **Q. ARE YOU AWARE OF ANY OTHER ANALYSES THAT**  
10 **PRESENT A MORE REALISTIC DEPICTION OF THE COSTS**  
11 **AND NECESSARY REVENUES FOR A CLEC TO EXTEND ITS**  
12 **NETWORK INTO A NEW BUILDING?**

13 A. Yes. On November 25, 2002, AT&T filed a study with the FCC, in  
14 conjunction with the FCC's Triennial Review proceedings, which  
15 analyzes the costs and required revenues necessary to justify extending a  
16 typical CLEC's network to a new building. The study is included as  
17 Exhibit GJB-1 to my testimony. I have reviewed the AT&T study and,  
18 based on my experience, I find it presents a more thorough and realistic  
19 analysis of the costs that would be encountered and the revenues that  
20 would be considered by a CLEC in determining whether to extend a

1 typical CLEC network into a new building than the analysis used by  
2 BellSouth in this case.

3

4 **Q. WHAT WERE THE CONCLUSIONS OF THE AT&T STUDY AS**  
5 **IT PERTAINS TO UNBUNDLED LOOPS?**

6 A. The study concluded that CLECs generally need to be able to provision at  
7 least 3 DS3s into a given building before the cost of constructing the loops  
8 can be recovered. This is consistent with the FCC's conclusion that no  
9 impairment exists for OC(3) and above loops.

10

11 **Q. HOW DO YOU PROPOSE THAT THE AT&T STUDY BE USED**  
12 **BY THE COMMISSION IN EVALUATING BELLSOUTH'S**  
13 **POTENTIAL ANALYSIS?**

14 A. The AT&T study supports the position that it is generally not economic  
15 for CLECs to build for the provision of a single DS3 or dark fiber loop to  
16 a building, and that any building for which BellSouth claims potential  
17 deployment must be treated as a unique exception, which must be  
18 supported by a full, building specific analysis.

19

20 **Q. DID BELLSOUTH PROVIDE EVIDENCE OF ALTERNATIVE**  
21 **LOOP DEPLOYMENT FOR THE 48 BUILDINGS ON ITS LIST?**

1 A. Dr. Banerjee did not indicate which of the buildings on the list had any  
2 loop deployment, and if so, how much.

3

4 **Q. SHOULD ANY OF THE BUILDINGS LISTED BY BELLSOUTH**  
5 **QUALIFY FOR POTENTIAL DEPLOYMENT BASED UPON**  
6 **BELLSOUTH'S SHOWING IN THIS CASE?**

7 A. No. BellSouth's analysis does not meet the FCC's criteria for items the  
8 Commission must evaluate, and therefore this Commission should find  
9 that BellSouth has not satisfied the potential deployment analysis for any  
10 of the buildings listed in the attachments to the Banerjee testimony.

11

12 **Q. HOW SHOULD BELLSOUTH HAVE DONE ITS POTENTIAL**  
13 **DEPLOYMENT ANALYSIS FOR HIGH CAPACITY LOOPS?**

14 A. BellSouth should have performed an individual discounted cash flow  
15 analysis using specific cost and potential revenue information for each  
16 building instead of hypothetical values. The analysis would provide  
17 evidence of alternate loop deployment for each building, and would  
18 specifically address each of the FCC's points. The discounted cash flow  
19 analysis would use project lives and depreciation rates that a CLEC  
20 actually would use for itself if it were really analyzing whether to extend  
21 its network out to a new building.

1

2

**B. DEDICATED TRANSPORT**

3 **Q.**

**DID BELLSOUTH PROPOSE THAT ANY TRANSPORT ROUTES  
MEET THE POTENTIAL DEPLOYMENT TEST IN THIS  
MATTER?**

5

6 **A.**

No.

7

8

**VI. TRANSITIONAL ISSUES**

9 **Q.**

**MS. PADGETT STATES THAT CLECS SHOULD ONLY HAVE A  
NINETY DAY TRANSITION PERIOD. IS THIS REASONABLE?**

10

11 **A.**

No. If anything, Ms. Padgett's proposal is the unreasonable one. First, if  
CLECs were forced to disconnect their existing UNEs on a broad scale  
and convert them to some other type of service, it would take BellSouth  
much longer than 90 days just to develop a cutover plan for transitioning  
the circuits to another CLEC's network. A "special project" such as this  
would obviously have to be coordinated with the day-to-day operational  
activities of BellSouth as well as the numerous other carriers involved.  
Second, the Commission must ensure that CLECs can transition their  
services to another CLEC before such a transition could occur, which as I  
stated in my direct testimony, is not a simple conversion process.

20

1           Sufficient time must be allowed for this conversion to occur in an orderly  
2           manner, without threatening customer disruption.

3

4   **Q.   WHY WOULDN'T CLECS CONVERT THEIR UNES TO**  
5   **BELLSOUTH'S SPECIAL ACCESS SERVICES?**

6   A.   While they certainly will have that option, the underlying premise of the  
7       triggers is that there will be evidence that the CLECs can either building  
8       their own loops or utilize the wholesale offerings of another carrier. It  
9       would defeat the purpose of the triggers and the impairment analysis if  
10      CLECs were not given a reasonable opportunity to avail themselves of the  
11      options implied by the triggers.

12

13 **Q.   WHAT ISSUES ARE INVOLVED IN ESTABLISHING AN**  
14 **APPROPRIATE TRANSITION PERIOD?**

15 A.   A transition period is required for two reasons. First, CLECs made  
16      specific business decisions to serve or not serve customers in reliance on  
17      the availability of UNE loops or UNE transport to the customer location or  
18      on the relevant transport route. CLECs must be able to continue to offer  
19      service to these customers after a finding of non-impairment. This  
20      consideration is essential because services to enterprise customers are  
21      contract-based and generally do not allow the provider to terminate or

1 modify the contract based upon sudden cost increases. Without a  
2 transition period, CLECs and their customers would face significant  
3 disruptions to their services if access to unbundled loops were  
4 disconnected or migrated to other services. A transition is needed,  
5 therefore, to prevent rate shock to customers receiving service using UNE  
6 arrangements.

7  
8 Second, a CLEC cannot modify its network overnight. A litany of  
9 business arrangements will have to be negotiated, modified and  
10 implemented if a state commission determines that one of the triggers has  
11 been satisfied. For example, if a state commission determines that two or  
12 more wholesale providers make their facilities widely available to other  
13 CLECs, CLECs needing loops or transport (as the case may be) will need  
14 time to consider the alternative sources of supply that are available to them  
15 and to implement the solution that best fits each CLEC's needs. One  
16 cannot assume that a CLEC will desire to transition to an ILEC-provided  
17 non-UNE service. Indeed, if the wholesale trigger is satisfied, it is  
18 because other alternatives are equally viable and presumably equally  
19 attractive to the CLEC. A transition period must build in sufficient time to  
20 enable the CLEC to make use of the alternatives that underlie the finding  
21 of non-impairment.



1

2 **Q. ARE THERE ADDITIONAL TRANSITION ISSUES THE**  
3 **COMMISSION SHOULD CONSIDER?**

4 A. Yes. The Commission should ensure that ILECs maintain an adequate  
5 process for ordering combinations of loops and transport, in situations  
6 where one or both network elements of the combination have been  
7 delisted. In the *TRO*, over ILEC objections, the FCC specifically stated  
8 that competing carriers are permitted to continue to have access to  
9 combinations of loops and transport regardless of whether one of the items  
10 has been delisted. *See TRO* ¶ 584. Similarly, the Commission should  
11 ensure that ILECs have adequate billing processes and procedures in place  
12 for CLECs to purchase delisted network elements, whether individually or  
13 in combination.

14

15 **Q. HOW SHOULD THE COMMISSION ADDRESS TRANSITION**  
16 **ISSUES?**

17 A. Establishing an appropriate transition period is a complex task. Ideally,  
18 these issues should be addressed in a phase of this proceeding that  
19 immediately follows the finding of non-impairment. If the Commission  
20 follows such a procedure, ILECs should be prohibited from billing special  
21 access rates to CLECs while the Commission receives evidence on the

1 elements necessary to protect customers from rate shock and to enable  
2 CLECs to build replacement facilities and/or to migrate to the network  
3 facilities of non-ILEC providers. In the event an interim transition is  
4 desired, I recommend the minimum components described below.

5

6 **Q. WHAT IS YOUR RECOMMENDATION REGARDING THE**  
7 **MINIMUM COMPONENTS OF A TRANSITION PROCESS?**

8 A. I recommend that the Commission develop a multi-tiered transition  
9 process such as the one applicable to mass-market switching. First, there  
10 should be a transition period during which CLECs may order new UNEs  
11 for locations and routes where the commission found a trigger is met.  
12 This period should be a minimum of nine months in order to enable a  
13 CLEC to continue to offer competitive service to new customers while it  
14 explores alternatives available to it. Second, CLECs should have a  
15 transition period for existing customers similar to that applied to line  
16 sharing and mass-market switching. The three year transition process  
17 established for customers served by line sharing arrangements may  
18 provide a useful model, with one-third of the customers to be transitioned  
19 within 13 months, and another one-third transitioned within 20 months.  
20 All loop and transport UNEs made available during these transition

1 periods should continue to be made available at TELRIC rates until  
2 migrated.

3

4 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

5 A. Yes, it does

**BEFORE THE  
KENTUCKY PUBLIC SERVICE COMMISSION**

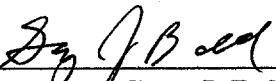
In the Matter of )  
 )  
Review of the Federal Communications )  
Commission's Triennial Review Order ) Case No. 2003-00379  
Regarding Unbundling Requirements )  
For Individual Network Elements )  
\_\_\_\_\_ )

**AFFIDAVIT**

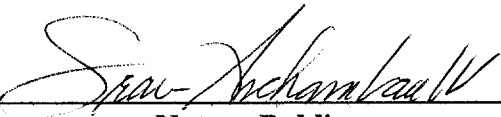
STATE OF CONNECTICUT

COUNTY OF FAIRFIELD

Gary J. Ball, being first duly sworn, deposes and says that he is the same Gary J. Ball whose Rebuttal Testimony and Exhibits accompany this affidavit, that such testimony was prepared by him; that he is familiar with the contents thereof; that the facts set forth therein are true and correct to the best of his knowledge, information and belief; and that he does adopt the same as his sworn testimony in this proceeding.

  
\_\_\_\_\_  
Gary J. Ball

Subscribed and sworn before me on this 30<sup>th</sup> day of March, 2004.

  
\_\_\_\_\_  
Notary Public

State of CONNECTICUT

My commission expires on 9/30/07

