BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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Petition of Level 3 Communications, LLC for arbitration of certain terms and conditions of proposed agreement with BellSouth Telecommunications, Inc. pursuant to the Telecommunications Act of 1934, as amended by the Telecommunications Act of 1996.

Docket No. 000907-TP

Filed: October 5, 2000

DIRECT PREFILED TESTIMONY OF TIMOTHY J. GATES ON BEHALF OF LEVEL 3 COMMUNICATIONS, LLC

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 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS FOR THE

 2
 RECORD.
- A: My name is Timothy J Gates. My business address is
 as follows: 15712 W. 72nd Circle, Arvada, Colorado
 80007.
- 6 Q: WHO EMPLOYS YOU?
- 7 A: I am employed by QSI Consulting, Inc., ("QSI")

8 Q: PLEASE DESCRIBE QSI AND IDENTIFY YOUR POSITION WITH 9 THE FIRM.

- A: QSI is a consulting firm specializing in the areas
 of telecommunications policy, econometric analysis
 and computer aided modeling. I currently serve as
 Vice President.
- 14 Q: ON WHOSE BEHALF WAS THIS TESTIMONY PREPARED?
- A: This testimony was prepared on behalf of Level (3)
 Communications, LLC ("Level 3").

17Q: PLEASE DESCRIBE YOUR EXPERIENCE WITH18TELECOMMUNICATIONS POLICY ISSUES AND YOUR RELEVANT19WORK HISTORY.

20 Α: Prior to joining QSI I was a Senior Executive Staff Member at MCI WorldCom, Inc. ("MWCOM"). 21 I was employed by MWCOM for 15 years in various public 22 policy positions. While at MWCOM I managed various 23 functions, including tariffing, economic 24 and financial analysis, competitive analysis, witness 25 training and MWCOM's use of external consultants. 26

I testified on behalf of MWCOM more than 150 times 1 in 32 states and before the FCC on various public 2 policy issues ranging from costing, pricing, local 3 entry and universal service to strategic planning, 4 merger and network issues. 5 Prior to joining MWCOM, I was employed as a Telephone Rate Analyst 6 in the Engineering Division at the Texas Public 7 Utility Commission and earlier as an Economic 8 Analyst at the Oregon Public Utility Commission. 9 Ι 10 also worked at the Bonneville Power Administration as a Financial Analyst doing total electric use 11 12 forecasts and automating the Average System Cost methodology while I attended graduate school. 13 14 Prior to doing my graduate work, I worked for ten years as a forester in the Pacific Northwest for 15 16 multinational and government organizations. Exhibit TJG 1 to this testimony is a summary of my 17 work experience and education. 18

19 Q: YOU HAVE TESTIFIED IN 34 STATES TO DATE. DID YOU 20 EVER TESTIFY IN FLORIDA?

A: Yes, I did. I filed testimony in the Commission's
Investigation into IntraLATA Presubscription
(Docket No. 92-47). That testimony was filed on
behalf of MCI Telecommunications Corporation in
1994.

WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY? 1 0: 2 The purpose of my testimony is to address certain A : issues identified in the Level 3 Petition for 3 Arbitration ("Petition") that was filed on July 20, 4 2000, and identified in the Order Establishing 5 Procedure that was filed on September 15, 2000. 6 Specifically, I will address issues 2 (Conditions 7 under which Level 3 is entitled to symmetrical 8 Compensation), 3 (Compensation for Interconnection 9 10 Trunks), 6 (Reciprocal Compensation for ISP-Bound Traffic), and 7 (Reciprocal Compensation Based on 11 12 Location of Customers and the Application of Switched Access Charges to ISP-Bound Traffic). 13 14 Q: HOW IS YOUR TESTIMONY ORGANIZED? My testimony is organized by issue. The various 15 A: discussions of the issues can be found on the 16 following pages: 17 Page 4 18 Summary of Conclusions Issue 2 Page 6 19 Issue 3 Page 14 20 21 Issue 6 Page 22 22 Issue 7 Page 46 PLEASE SUMMARIZE THE CONCLUSIONS YOU REACH IN YOUR 23 0: 24 TESTIMONY. 25 I will provide the summaries by Issue: A:

Issue 2 - BellSouth's definition of serving wire 1 center and the use of that definition for determining 2 3 compensation for leased facility interconnection is inappropriate and results in an artificial increase in 4 5 costs for alternative local exchange carriers ("ALECs"). б The cost differential is caused, in part, when BellSouth 7 unilaterally locates its interconnection points ("IPs") 8 away from Level 3's switch. BellSouth's proposed language causes Level 3 to incur costs that BellSouth 9 10 does not incur given the same network configuration. 3 proposes language that would ensure 11 Level that 12 symmetrical compensation is achieved.

13 Issue 3 - Level 3 opposes BellSouth's attempt to 14 charge for interconnection trunks and facilities on its 15 network. It is each carrier's responsibility to provide 16 facilities on its side of the IP to deliver traffic to 17 the terminating carrier. A recent FCC order confirms under the rules of the road for local 18 that, 19 interconnection, a LEC may not assess charges for local 20 traffic (or facilities) that originates on the LEC's network. To charge for these trunks and facilities would 21 22 result in double recovery of the LEC's costs. If Level 23 3 is required to pay for interconnection trunks and 24 facilities, the rates must be based on forward looking 25 long-run economic costs, not upon BellSouth's access

tariff or other prices that have not been scrutinized for
 compliance with the requirements of the
 Telecommunications Act.

The public policy and economic 4 Issue 6 ----considerations associated with ISP-bound traffic have 5 resulted in numerous decisions by state commissions, 6 7 including the Florida Public Service Commission ("Commission"), concluding that ISP-bound calls should be 8 considered local calls for purposes of reciprocal 9 10 compensation.

Issue 7 - The use of NXX codes in the manner 11 currently employed by Level 3, other ALECs, and even 12 BellSouth itself, allows consumers efficient access to 13 14 ISPs that would otherwise be impossible if such calls were treated as toll calls or anything other than local. 15 Placing contractual restrictions on calls to certain NXX 16 codes would inappropriately allow BellSouth to avoid 17 18 payment of reciprocal compensation and give BellSouth a competitive advantage over ALECs. BellSouth's proposal 19 would increase the cost of Internet access and reduce 20 competition to the detriment of consumers, even though 21 its own costs do not differ in handling these calls 22 versus any other locally-dialed call. The Commission 23 should deny BellSouth's attempt to eliminate this type of 24 local call from reciprocal compensation, and to apply 25

switched access charges to ISP-bound and other kinds of
 virtual NXX calls.

ISSUE 2 -- SHOULD LEVEL 3 RECEIVE SYMMETRICAL
 COMPENSATION FROM BELLSOUTH FOR LEASED FACILITY
 INTERCONNECTION?

Q: WHAT IS THE DISPUTE BETWEEN BELLSOUTH AND LEVEL 3
 ON THIS ISSUE?

Under the terms of the Agreement (Section 1.2 of 8 A: Attachment 3), the party originating local traffic 9 has the option to interconnect by purchasing 10 dedicated interoffice transport ("DIT") from its 11 "serving wire center" to the other party's "first 12 point of switching." BellSouth has proposed a 13 14 complicated rate structure for this form of transport that could, in some circumstances, result 15 in BellSouth charging higher rates than Level 3 for 16 transport identical facilities, 17 physically depending on which party's traffic is being 18 transported. Level 3 has proposed to add a 19 paragraph, Section 1.2.6, to ensure that Level 3 20 may charge BellSouth for facilities in an amount 21 equal to that which BellSouth may charge Level 3 22 for traffic on the same route. 23

24 Q: PLEASE EXPLAIN HOW BELLSOUTH'S PROPOSAL CAN LEAD TO
25 UNEQUAL TRANSPORT RATES.

Α: BellSouth's rate structure for leased facility 1 interconnection includes two different components: 2 the "Local Channel Facility" ("LCF") and the DIT 3 The LCF extends from the IP of the 4 facility. carrier ordering the transport service to the 5 "serving wire center," while the DIT extends from 6 the "serving wire center" to the first point of 7 8 switching on the other party's network. The asymmetry arises from the proposed definition of 9 "serving wire center." 10

11 Q: PLEASE DEFINE A SERVING WIRE CENTER.

Generally speaking, a serving wire center 12 A: is synonymous with a central office. 13 By central office, I am referring to a "class 5" central office 14 15 where the local exchange company terminates the 16 subscriber outside plant. Nevertheless, a carrier could designate a tandem switch location as its 17 serving wire center. Essentially, a serving wire 18 19 center is the central office with entrance facilities for the ALEC. 20

21 Q: DOES THE DEFINITION OF SERVING WIRE CENTER VARY BY 22 CARRIER?

 $^{^1}$ A "class 5" office is the lowest level in the hierarchy of local and long distance switches. The class 5 switch is the closest switch to the local end user.

Yes, it may. As a new entrant into the local 1 Α. exchange telecommunications market, Level 3 2 utilizes state-of-the-art digital technology, 3 typically installing only a single switch in a 4 single building that serves an entire LATA. 5 This single switch would be considered BellSouth's 6 serving wire center for purposes of terminating 7 traffic originated by BellSouth subscribers. 8 (In the BellSouth contract, the "BellSouth serving wire 9 10 center" is the wire center on Level 3's network from which service is provided to BellSouth, and vice 11 This terminology is confusing, but I use it 12 versa. to be consistent with the contract language.) 13 BellSouth, however, has multiple central offices 14 The BellSouth switch 15 and/or wire centers per LATA. closest to the Level 3 switch is normally 16 designated as Level 3's serving wire center. Let's 17 assume that Level 3 customers are originating 18 traffic that is terminated on the 19 BellSouth Level 3 would purchase DIT (which is 20 network. charged on a per mile basis) between its serving 21 wire center (the BellSouth central office or 22 tandem) and BellSouth's first point of switching. 23 The diagram attached as Exhibit (TJG-1) (Diagram 24

1 1) shows the DIT charged to Level 3 in this 2 scenario.

Now, assuming the same network configuration, let's see how these terms and definitions impact the parties if BellSouth originates traffic that terminates on the Level 3 network. Diagram 2 attached as Exhibit __(TJG-2) shows the same network configuration as Diagram 1.

In this scenario, however, according to 9 BellSouth's definitions and proposed language, 10 BellSouth would purchase DIT between its serving 11 12 wire center (the Level 3 central office) and Level 3's first point of switching (the same Level 3 13 central office). In other words, BellSouth would 14 not purchase DIT from Level 3, or it would purchase 15 it at dramatically less than what Level 3 would 16 The fact that Level 3 is a new 17 have to pay. entrant with a single switch in the LATA results in 18 19 dramatically different costs under BellSouth's 20 proposed language.

21 Q: PLEASE EXPLAIN THE LOCAL TRANSPORT FACILITY ("LCF") 22 AS INDICATED IN DIAGRAMS ONE AND TWO.

A: The LCF is a flat-rated, non-mileage sensitive
switch transport facility between the IP and the
originating party's serving wire center. Although

the LCF appears longer for BellSouth when it
 originates local traffic, that rate element is
 flat-rated. As such, unlike the DIT, the mileage
 or distance of the LCF does not impact the cost.

BUT DOESN'T PROPOSAL 5 Q: THIS DIT REFLECT THE ADDITIONAL COSTS THAT BELLSOUTH MUST 6 INCUR TO 7 PROVIDE FACILITIES FROM LEVEL 3'S SWITCH TO THE INTERCONNECTION POINT? 8

9 Α: No. This example highlights the anticompetitive impact of its proposal to unilaterally designate 10 11 IPs for BellSouth-originated traffic. If 12 BellSouth designates IPs at end offices some 13 distance from Level 3's point of presence, the intercarrier compensation will not be symmetrical. 14 15 Indeed, BellSouth's proposal confirms the FCC's conclusion that --16

17 Because an incumbent LEC currently 18 serves virtually all subscribers in 19 its local serving area, an incumbent 20 LEC has little economic incentive to 21 assist new entrants in their efforts 22 to secure a greater share of that 23 market. An incumbent LEC also has 24 the ability to act on its incentive 25 discourage entry and robust to 26 competition by not interconnecting 27 its network with the new entrant's 28 by network or insisting on supracompetitive prices or other 29 30 unreasonable conditions for 31 terminating calls from the entrant's

customers to the incumbent LEC's 1 subscribers.² (footnote omitted) 2 IT IS LEVEL 3'S CHOICE TO PLACE ONE IP PER LATA. 0: 3 SHOULDN'T BELLSOUTH BE ALLOWED TO PLACE ITS IP AT 4 5 ITS DESIRED LOCATION? The Act and FCC orders clearly allow new 6 A: No. 7 entrants to interconnect at any technically feasible point. The single IP per LATA allows new 8 entrants to grow their business 9 economically

10 without having to duplicate the ILECs existing 11 network.

12 If Congress had wanted ILECs to have the 13 ability to designate IPs and ALECs to bear the same 14 duty in establishing IPs as incumbent LECs bear, it 15 would have specifically stated that outcome, rather 16 than separating out the interconnection obligations 17 to apply only to incumbent LECs under Section 18 251(c)(2).

Q: HAS THE FCC INTERPRETED SECTION 251 IN A SIMILAR MANNER?

² In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996; FIRST REPORT AND ORDER; CC Docket No. 96-98; Released: August 8, 1996; at ¶ 10. Local Competition Order.

Yes, it has. In the FCC's First Report and Order 1 A: 2 it addressed technically feasible points of interconnection as follows: 3 4 Section 251(c)(2) does not impose on non-incumbent LECs the duty to provide 5 6

interconnection. The obligations of LECs that are not incumbent LECs are generally governed by sections 251(a) and (b), not 9 section 251(c). Also, the statute itself 10 imposes different obligations on incumbent LECs and other LECs (i.e., 11 section 251(b) imposes obligations on all 12 13 LECs while section 251(c) obligations are imposed only on incumbent LECs).3 1415

As such, BellSouth does not have the same right as 16 ALECs to identify a technically feasible IP. 17

18 0: DOES THE FACT THAT THERE IS NO PROHIBITION AGAINST ILECS DETERMINING TECHNICALLY 19 FEASIBLE 20 INTERCONNECTION POINTS GIVE THEM THE RIGHT TO DO 21 SO?

A: 22 No. As noted above, the interconnection 23 obligations of LECs and ILECs are specifically 24 identified in the Act. BellSouth may not assume some authority that is not provided for in the Act. 25 As such, BellSouth is wrong to suggest that each 26 27 party may determine the IP for its own originating 28 traffic.

³ <u>Id</u>. at ¶220.

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1Q: ARE THERE PUBLIC POLICY REASONS TO DENY BELLSOUTH2THE ABILITY TO ESTABLISH IPS FOR TRAFFIC IT3ORIGINATES TO ALECS?

4 Α. Yes. The FCC correctly noted in the First Report 5 and Order at paragraph 218 that "...the LEC has the 6 incentive to discriminate against its competitors 7 by providing them less favorable terms and conditions of 8 interconnection than it provides It is for this reason that the FCC itself." 9 rejected the ILECs' suggestion that they impose 10 11 reciprocal terms and conditions with respect to 12 interconnection obligations on ILECs and ALECs. Ιf BellSouth were allowed 13 to identify IPs for traffic it 14 originating would be able to 15 disadvantage ALECs and impose additional and unwarranted costs on new entrants. 16 Such a result 17 is not in the public interest and would severely impede the development of competition. Indeed, if 18 19 BellSouth were allowed such discretion, it may 20 force ALECs to essentially duplicate the 21 incumbent's network, thereby eliminating the social 22 benefits of the one IP per LATA rule. Such a 23. result has been regularly rejected by regulators as 24 not in the public interest.

25 Q: WHAT IS THE SOLUTION TO THIS PROBLEM?

The solution is to adopt Level 3's changes to 1 Α: Section 1.2 Attachment 3. which 2 of ensures 3 symmetrical compensation. Level 3 recommends the 4 following language for Section 1.2.6: 5 Notwithstanding the foregoing definitions, 6 to ensure that 7 symmetrical compensation is achieved, Level 8 3 may charge 9 BellSouth for Local Channel and Dedicated Interoffice 10 Transport 11 facilities in an amount equivalent 12 to that which may be charged by BellSouth to Level 3 for traffic on 13 14 the same route. 15 16 This language ensures that Level 3 and other ALECs are not disadvantaged by BellSouth's unilateral placement 17 of IPs and the different network architectures. 18 19 ISSUE 3 - SHOULD EACH CARRIER BE REQUIRED TO PAY FOR THE USE OF INTERCONNECTION TRUNKS ON THE OTHER CARRIER'S 20 NETWORK? EVEN IF SO, SHOULD LEVEL 3 BE REQUIRED TO PAY 21 RECURRING AND NONRECURRING RATES BASED UPON BELLSOUTH'S 22 ACCESS TARIFF FOR THE USE OF INTERCONNECTION TRUNKS? 23 24 0: IS IT APPROPRIATE TO IMPOSE ANY CHARGES FOR LOCAL INTERCONNECTION TRUNKS? 25 It is inappropriate to impose any charges for 26 Α: No. local interconnection trunks (and the facilities 27 upon which those trunks ride), 28 as these are 29 co-carrier facilities and trunks provided for the 30 mutual benefit of the parties in exchanging customer traffic, and both parties must deploy 31

matching capacity on their side of the IP. 1 Further, as both parties have already agreed in 2 Section 1.1.1 of Attachment 3, it is each carrier's 3 financial and operational responsibility to supply 4 and maintain the network on its side of the IP to 5 deliver traffic to the terminating carrier, so a 6 requirement that each party then pay the other for 7 and facilities on its network is trunks 8 9 inconsistent with other resolved sections of the 10 contract.

11 Q: WHAT DOES SECTION 1.1.1 OF THE INTERCONNECTION 12 AGREEMENT STATE?

Section 1.1.1 of the Interconnection Agreement 13 Α: states in pertinent part, "Each party is financially 14 and operationally responsible for providing the 15 network on its side of the IP." This responsibility 16 includes the interconnection trunks used to deliver 17 18 traffic to the interconnection point or IP. To the best of my knowledge, this language is not being 19 disputed by either BellSouth or Level 3. As the 20 language indicates, BellSouth has agreed to be both 21 financially and operationally responsible for its 22 network on its side of the IP. 23

1 Q: WHAT DO YOU MEAN WHEN YOU SAY THE TRUNKS AND 2 FACILITIES ARE FOR THE "MUTUAL BENEFIT" OF THE 3 PARTIES?

The interconnection trunks and facilities are as A : 4 5 valuable to BellSouth as they are to Level 3 or any ALEC. They are used by BellSouth to ensure that 6 7 calls between its customers and Level 3 customers Without such trunks, BellSouth 8 are completed. would not be able to provide the level of services 9 10 demanded by its own customers.⁴

11Q:DOES LEVEL 3 HAVE TO PROVIDE INTERCONNECTION TRUNKS12AND FACILITIES AS WELL?

13 A: For every trunk that BellSouth sets up to Yes. handle Level 3 traffic, Level 3 must ensure that 14 the appropriate level of capacity is available on 15 its own side of the IP so that calls coming over 16 the BellSouth trunks can then flow over the Level 3 17 network to their intended destination (and vice 18 Thus, it should be in both carriers' 19 versa). interest (or at least in both carriers' customers' 20 21 interest) to have an adequate amount of co-carrier trunks and underlying facilities in place. 22 23 Requiring each carrier to pay the other for

⁴ By "level" of service, I am referring to the amount of blocking experienced by consumers.

co-carrier trunks and the underlying facilities on 1 other party's network is therefore 2 the 3 inappropriate and contrary to the principles underlying cooperative reciprocal interconnection. 4 ON THIS PARTICULAR ISSUE, WE ARE TALKING ABOUT 5 0: TRUNKS AND FACILITIES USED TO INTERCONNECT THE TWO 6 NETWORKS. HAS THE FCC ISSUED ANY RECENT OPINIONS 7 ON THE RESPONSIBILITIES OF THE CARRIERS IN THIS 8 9 **REGARD?**

Yes, it has. There has been some debate about FCC 10 A: Rule 51.703(b), which states, "A LEC may not assess 11 charges on any other telecommunications carrier for 12 local telecommunications traffic that originates on 13 the LEC's network." In a recent case before the 14 FCC, several ILECs argued that this rule would 15 apply only to "traffic," and would not prevent a 16 carrier from charging an interconnecting carrier 17 for the cost of "facilities" used in originating 18 traffic. The FCC flatly rejected that argument:: 19

20 Defendants arque that section 51.703(b) governs only the charges 21 for "traffic" between carriers and 22 does not prevent LECs from charging 23 "facilities" used for the to 24 25 transport that traffic. We find that argument unpersuasive given the 26 27 clear mandate o£ the Local Competition Order. The Metzger 28 Letter correctly stated that the 29 Commission's rules prohibit LECs 30 31 from charging for facilities used to

deliver LEC-originated traffic, in 1 2 addition to prohibiting charges for 3 the traffic itself. Since the traffic must be delivered 4 over 5 facilities, charging carriers for 6 facilities used to deliver traffic 7 results in those carriers paying for 8 LEC-originated traffic and would be 9 inconsistent with the rules. the Order requires a 10 Moreover, for dedicated 11 carrier to pay 12 facilities only to the extent it uses those facilities to deliver 13 14 traffic that it originates. Indeed, 15 the distinction urged by Defendants is nonsensical, because LECs could 16 17 continue to charge carriers for the delivery of originating traffic by 18 merely re-designating the "traffic" 19 charges as "facilities" charges. Such 20 21 a result would be inconsistent with the language and intent of the Order 22 rules.⁵ 23 and the Commission's 24 (footnotes omitted; emphasis in 25 original) 26 27 It is clear that the each LEC bears the

responsibility of operating and maintaining the facilities used to transport and deliver traffic on its side of the IP. This responsibility extends to both the trunks and facilities as well as the traffic that transits those trunks and facilities. Likewise, an interconnecting terminating LEC will bear responsibility for the facilities on its side

⁵ In the Matters of TSR WIRELESS, LLC, et al, Complainants, v. US WEST COMMUNICATIONS, INC. et al, Defendants; **MEMORANDUM OPINION AND ORDER;** File Nos. E-98-13, E-98-15, E-98-16, E-98-17, E-98-18; Released June 21, 2000; ¶25; (*TSR Order*) 1 of the IP, but then recover the costs of transporting and terminating traffic over those 2 3 facilities from the originating LEC, in the form of reciprocal compensation. 4

5 0: DID THE FCC FURTHER EXPLAIN ITS LOGIC FOR REQUIRING 6 ORIGINATING CARRIER TO BEAR THE THE COSTS OF 7 DELIVERING ORIGINATING TRAFFIC TO THE TERMINATING 8

CARRIER?

In the TSR Order the FCC further clarified 9 A: Yes.

10 its logic as follows:

11 According to Defendants, the Local Competition 12 Order's regulatory regime, which requires carriers to pay for facilities used to deliver 13 14 their originating traffic to their 15 co-carriers, represents a physical occupation 16 of Defendants property without just 17 compensation, in violation of the Takings 18 Clause of the Constitution. We disagree. The 19 Local Competition Order requires a carrier to 20 pay the cost of facilities used to deliver 21 traffic originated by that carrier to the 22 network of its co-carrier, who then terminates 23 that traffic and bills the originating carrier 24 for termination compensation. In essence, the 25 originating carrier holds itself out as being 26 capable of transmitting a telephone call to 27 any end user, and is responsible for paying 28 the cost of delivering the call to the network 29 of the co-carrier who will then terminate the 30 call. Under the Commission's regulations, the 31 cost of the facilities used to deliver this 32 traffic is the originating carrier's 33 responsibility, because these facilities are 34 part of the originating carrier's network. 35 The originating carrier recovers the costs of 36 these facilities through the rates it charges its own customers for making calls. 37 This regime represents "rules of the road" under 38 39 which all carriers operate, and which make it 40 possible for one company's customer to call

any other customer even if that customer is
 served by another telephone company.
 (emphasis added) (footnotes omitted)

4 By this reasoning, Level 3 should not have to pay 5 BellSouth for the interconnection trunks and 6 facilities that transport BellSouth-originated 7 traffic to Level 3 for termination.

8 Q: PLEASE ADDRESS THE SECOND PART OF THIS ISSUE - IF 9 LEVEL 3 IS REQUIRED TO PAY RECURRING AND/OR 10 NONRECURRING RATES, SHOULD THOSE RATES BE BASED 11 UPON BELLSOUTH'S ACCESS TARIFF?

Before I respond to that question, let me be clear 12 A: about Level 3's position - as a preliminary matter, 13 the FCC's Local Competition Order and subsequent 14orders interpreting that decision make clear that 15 one LEC should not be required to pay another LEC 16 for facilities on the second LEC's network. Under 17 the FCC's reasoning, reciprocal compensation for 18 terminating traffic covers any use of the other 19 That being said, it is also carrier's network. 20 worthwhile to examine and critique the underlying 21 22 cost basis of BellSouth's proposed rates.

23 Before discussing specific concerns about 24 BellSouth's proposed rates, I should also note that

⁶ <u>Id</u>. at ¶34.

1 there has been some confusion about BellSouth's rates for interconnection trunks.7 Even though the 2 language in Attachment 3 of the contract refers to 3 the parties paying recurring and nonrecurring rates 4 for interconnection trunks and facilities, the 5 pricing schedule provided by BellSouth only sets 6 7 forth a nonrecurring trunk charge, and does not contain a recurring trunk charge. 8 The pricing schedule does state, however, that if a price is 9 not specified in that schedule, it will be assessed 10 11 pursuant to BellSouth's tariffs. Level 3 has 12 therefore been concerned that the recurring trunk charge to be imposed by BellSouth would come from 13 the access tariff. Recently however, despite what 14 15 the pricing schedule leaves open, we have been told by BellSouth that there is no recurring charge for 16 17 trunks, so it would appear that the focus from a

⁷ We understand that BellSouth's rates for unbundled transport which would presumably be the rates that BellSouth seeks to impose for interconnection facilities - have been approved by the Commission. Therefore, Level 3 is not challenging the manner in which those rates have been set. Rather, as noted above, we question why those approved rates should apply for the payment of facilities on BellSouth's side of the IP - where it has already pledged to bear the financial responsibility of those facilities under Section 1.1.1. Instead, the unbundled transport rates should apply where Level 3 is seeking to lease facilities from BellSouth to *reach* a mutually-agreed Interconnection Point, not for the facilities on BellSouth's side of that point. rate-setting perspective will be on the
 nonrecurring trunk charges. These nonrecurring
 charges should be rejected for several reasons.

First, noted it 4 as above, is the responsibility of the originating carrier 5 to 6 transport the traffic to the terminating carrier. The terminating carrier is not responsible for 7 paying for the traffic or the facilities associated 8 9 with transporting that traffic to the IP.

10 Second, imposing these costs on ALECs would 11 result in double recovery. The FCC has found 12 that "The originating carrier recovers the costs of [its] facilities through the rates it 13 charges its own customers for making calls."8 14 15 The FCC reiterated that statement in the very 16 next paragraph of the TSR Order when it stated "Defendants possess 17 other options for 18 recovering these costs, such as recovering these costs from the end users that originates 19 20 [sic] the calls."9 This finding is consistent 21 with the principle of cost causation in that 22 the end user originates the calls that result

⁸ <u>Id</u>.

⁹ <u>Id</u>. at ¶35.

in the traffic and facilities handled and
 deployed by BellSouth.

3 Q: PLEASE EXPLAIN.

The FCC has found that Section 252(d) of the Act, 4 A : which addresses local interconnection pricing, 5 requires that "prices for interconnection and 6 unbundled elements . . . 7 should be set at forward-looking long-run economic cost."10 The FCC's 8 9 rules also require rates based on forward-looking economic costs. FCC Rule 51.705(a)(1) states, "An 10 incumbent LEC's rates for transport and termination 11 12 of local telecommunications traffic shall be 13 established, at the election of the state 14 commission, on the basis of: (1)the forward-looking economic costs of such offerings, 15 using a cost study pursuant to §§ 51.505 and 51.511 16 of this part." As this Commission is well aware, 17 FCC Rule 51.505 defines "Forward-looking economic 18 19 cost" and total element long-run incremental cost 20 study requirements. FCC Rule 51.511 develops the 21 forward-looking economic cost per unit.

If the Commission requires Level 3 to pay
charges for co-carrier trunks (a concept to which
Level 3 strenuously objects), BellSouth must at

 10 Local Competition Order at ¶672.

1 least be required to set forward-looking, cost-based rates for those trunks in accordance 2 with the Act, rather than relying upon rates that 3 contain additional subsidies 4 may to support 5 BellSouth's earnings, subsidized service and 6 foreign ventures.

7 8

Q: IS IT CLEAR WHERE BELLSOUTH'S PROPOSED RATES FOR INTERCONNECTION TRUNKS COME FROM?

9 Α. Not at all. As I explained above, the contract language provided by BellSouth indicates that the 10 for interconnection trunks 11 rates are to be 12 specified in the pricing schedule, or if they are not listed in the pricing schedule, the rates will 13 forth in 14 be as set BellSouth's (presumably 15 intrastate) access tariffs. If the Commission 16 decides that ALECs should pay BellSouth а 17 nonrecurring charge for interconnection trunks, the 18 Commission should require BellSouth to provide 19 cost-studies supporting its rates. The parties should then be allowed to scrutinize those studies 20 21 and associated rates through discovery and a contested hearing process. Only through such a 22 23 process can the Commission assure itself that BellSouth's rates are just and reasonable. 24

Still, in the end, even if the rates are 1 cost-based for all elements, Level 3 opposes any 2 charges for interconnection trunks and facilities 3 between the carriers. Such charges are contrary to 4 the "rules of the road" for local interconnection as 5 identified in FCC orders, inconsistent with the 6 agreed-upon principle that each party should bear 7 its own costs of bringing facilities to the 8 Interconnection Point, and could lead to double 9 recovery of the costs of the trunks and facilities 10 in question. 11

12 ISSUE 6 - SHOULD THE PARTIES BE REQUIRED TO PAY
13 RECIPROCAL COMPENSATION ON TRAFFIC ORIGINATING FROM OR
14 TERMINATING TO AN ENHANCED SERVICE PROVIDER, INCLUDING AN
15 INTERNET SERVICE PROVIDER ("ISP")?

16 Q: PLEASE DESCRIBE THE DISPUTE ON THIS ISSUE.

17 Α: Level 3 argues that parties should compensate one another at the reciprocal compensation rate for 18 ISP-bound traffic, just like any other local call. 19 BellSouth argues that traffic originating from or 20 terminating to an enhanced service provider, 21 22 including an ISP, is not local traffic and should not be subject to reciprocal compensation. Indeed, 23 BellSouth recommends in Sections 5.1.8 and 5.1.9 of 24 Attachment 3 that ALECs be required to identify all 25

ISP-bound traffic and submit the results to
 BellSouth so that BellSouth can charge ALECs
 switched access charges for such calls.

4 Q: IS IT IN THE PUBLIC INTEREST TO BREAK-OUT SUCH 5 ISP-BOUND CALLS FROM THE UNIVERSE OF LOCAL CALLS?

There are several reasons why the Commission 6 A: No. 7 should not establish a separate class of service 8 for ISP-bound traffic. First, the Commission has 9 determined repeatedly that ISP-bound calls are to 10 be treated as local. Dial-up Internet traffic uses 11 the same public switched network facilities used by 12 other local calls. Likewise, the costs to carry 13 this traffic are largely identical to other local 14 calls exhibiting similar calling characteristics (i.e., time of day, duration, etc.). 15 Hence, to 16 segregate ISP-bound traffic from the larger 17 population of local-billed calls (thereby separating it from some group of calls that largely 18 match its calling characteristics, and costs) 19 20 provides an artificial distinction between two 21 types of traffic that are actually very similar.

Q: HAS THE FCC SAID ANYTHING ABOUT RATE SETTING BASED
 ON CLASSES OF CUSTOMERS?

A: Yes. FCC Rule 51.503 (c) states: "The rates that an
 incumbent LEC assesses for elements shall not vary

on the basis of the class of customers served by 1 2 the requesting carrier, or on the type of services that requesting carrier purchasing 3 the such elements uses them to provide." To do so would be 4 to discriminate against a particular class of 5 customers or type of service being provided, based 6 7 on something other than cost. Such discrimination is not in the public interest. 8

9 Q: WILL CREATION OF THIS ARTIFICIAL DISTINCTION HARM 10 THE PUBLIC INTEREST?

Artificially distinguishing between these two 11 A: Yes. 12 types of calls (i.e., ISP-bound calls and other calls) local skews the resource allocation 13 decisions of the consumer, residential and business 14 Specifically, it skews the consumer's 15 alike. 16 economic decision-making as to what level of each type of call to consume (i.e., if prices for 17 18 Internet-bound calling are higher than for other local calling, the 19 types of consumer will 20 undoubtedly suppress his/her demand for Internet calling in comparison to the level demanded absent 21 such a price differentiation). For example, under 22 23 BellSouth's proposal, a customer who makes a large number of local voice calls (or calls of longer 24 25 than average length) will pay less than a customer

the same level of local usage for 1 who uses 2 accessing the Internet. Obviously, under а 3 situation like that described above, even though 4 both customers consume the same level of local 5 calling resources and generate equal costs on the network, the Internet subscriber will be required 6 7 to pay more. This is problematic in that it 8 provides consumption incentives that do not match 9 the economically efficient incentives that would result from pricing identical or similar services 10 11 at the same rate.

 12
 Q:
 CAN YOU EXPLAIN IN GREATER DETAIL YOUR CONCERN

 13
 REGARDING A SEPARATE CLASS OF SERVICE FOR ISP-BOUND

 14
 TRAFFIC?

15 A: My primary concern in this area is that this doesn't 16 approach encourage efficient decision-making on the part of local callers. 17 This 18 results from the fact that even though both 19 voice-grade local calling and calls to the Internet 20 use the same network in almost exactly the same way 21 (thereby generating largely identical costs), local 22 callers would be faced with two different pricing 23 structures for these two identical or similar types 24 of calling. If the Commission were to introduce 25 such a pricing structure, it would be arbitrarily

distinguishing between two types of traffic that 1 2 are largely identical. For example, one hour of local calling from your computer to the Internet 3 generates exactly the same level of cost on the 4 network as does one hour of calling from your home 5 to your best friend who may live across town. 6 Efficient economic results are generated when 7 consumers are faced with the marginal costs of 8 their decisions. Only when consumers are faced 9 with a situation where the more local calling 10 11 resources they use the more they pay (whether those be for local voice calls or Internet calling), will 12 they ever be encouraged to make sound economic 13 decisions with respect to how much local calling to 14 15 use.

Separating ISP-bound traffic from all other 16 types of local-billed traffic and subjecting only 17 ISP traffic to this system will serve only to 18 19 depress demand for Internet usage. At the same time, allowing voice grade traffic to remain under 20 the same pricing structure it currently enjoys will 21 result in an incentive to "over-use" voice grade 22 local calling. In essence, the Commission would be 23 24 using its regulatory authority to favor one type of local-billed traffic (voice traffic) over another 25

1 type of local-billed traffic (ISP-bound traffic). 2 This would undoubtedly cause market distortions that could have long-term effects on the growth of 3 Internet traffic and the efficient allocation of 4 Florida's telecommunications 5 resources to 6 infrastructure. One such unfortunate result could 7 be an increase in the gap between those consumers 8 who can afford to use the Internet at these 9 artificially higher rates, and those that cannot (the so called "digital divide"). 10

11 Q: WOULD IT BE POSSIBLE TO SEPARATE THE ISP-BOUND 12 CALLS FROM OTHER LOCAL CALLS?

Α: would be very difficult and imprecise to 13 Ιt break-out ISP-bound calls from other local calls. 14 15 Two separate, and equally ineffective, methods of segregating ISP-bound traffic from other local 16 17 calls have emerged to this point. First, ILECs such as BellSouth have asked that interconnecting 18 carriers identify the specific NXX-XXXX telephone 19 numbers that are assigned to ISP providers as 20 21 dial-up access numbers. Then, the traffic that is terminated to these specified dial-in numbers would 22 23 be measured and identified as ISP-bound traffic (and BellSouth would impose switched access charges 24 25 on the traffic and refuse to make reciprocal

compensation payments to the ALECs for carrying 1 this traffic). Second, ILECs have argued that by 2 3 measuring the average call duration (holding time) for traffic passed between two carriers, it is 4 5 possible to estimate the percentage of that traffic that is bound for an ISP (ILECs generally have 6 7 argued that calls longer than 15 - 20 minutes exhibit characteristics 8 similar to ISP-bound traffic and should therefore be removed from 9 reciprocal compensation obligations). 10

11Q:DO YOU BELIEVE THAT EITHER OF THESE OPTIONS IS AN12EFFECTIVE MECHANISM FOR "DISTINGUISHING INTERNET13TRAFFIC" FROM OTHER TYPES OF LOCAL TRAFFIC?

14 A: No. First, there is no technical or economic distinction between ISP-bound traffic and other 15 16 types of local traffic, other than the fact that 17 ISP-bound calls generally tend to have longer 18 holding times than do average local calls (and, 19 dial-up ISP-bound calls typically take place in the evening whereas the majority of voice calls occur 20 21 during the business day). However, as I described 22 above, distinguishing between an Internet call and 23 local voice call of the same length а is 24 nonsensical. A twenty-minute voice call has exactly the same cost characteristics as does a 25

twenty-minute Internet call. Hence, distinguishing
 between these two types of calls is an artificial
 distinction that can lead to poor rate design and
 consumption decisions.

Further, both methods described above for 5 purposes of distinguishing between ISP-bound calls 6 and other types of local traffic have major 7 8 shortcomings. The first method (i.e., identifying 9 ISP dial-in numbers) requires a carrier to maintain separate records of the telephone numbers used by 10 its ISP customers for dial-up capability.¹¹ To the 11 extent an ISP customer regularly expands or changes 12 13 the dial-up numbers it uses for this purpose (many ISPs may have hundreds of dial-up numbers), it 14 becomes difficult to ensure that all such numbers 15 are captured effectively and/or that only dial-in 16 numbers are identified (as opposed to numbers used 17 ISP for its own business uses). 18 by the The 19 shortcomings of the second alternative described

¹¹ Indeed, this ILEC attempt to identify the phone numbers of ALECs' ISP customers is potentially anti-competitive. By forcing ALECs to provide customer information to the ILEC, this enables the ILECs to have key information about competitors and their customers. Taken to its logical conclusion, then, the ILEC position is to strip away ALEC compensation for the cost of serving ISP customers, while at the same time using the identification of ISP telephone numbers as a tool to market to these same customers.

above are even worse. Simply assuming that calls 1 of greater than 15-20 minutes (or even 25-30 2 minutes) are dial-up calls to the Internet is, by 3 definition, going to provide inaccurate results. 4 (Going beyond voice calls, think for example of the 5 corporate LAN, where a customer dials in but does 6 7 not go to the Internet. The telecommuter could be dialed in all day to her office, but never reach 8 9 the Internet. In that case, such a call would show ISP-bound notwithstanding the actual 10 up as 11 destination.) Obviously, a good number of local voice calls (and other non-Internet calls) last 12 longer than 15-30 minutes. Under the second 13 approach above, however, any call with duration 14 greater than 15-30 minutes is generally considered 15 16 to be an ISP-bound call. Using the second method generally tends to overestimate the volume of 17 ISP-bound calls and underestimate the volume of 18 other local calling on the network. 19

20 Q: PLEASE SUMMARIZE YOUR POSITION ON BREAKING OUT 21 ISP-BOUND CALLS AND APPLYING SWITCHED ACCESS 22 CHARGES TO SUCH TRAFFIC.

A. As shown above, it is not technically feasible to
identify "ISP-bound" traffic. Nor is it necessary,
since such calls impose absolutely no additional

costs on BellSouth. ISP-bound calls have been 1 2 treated as local calls by this Commission and they 3 should continue to be treated as such. Applying 4 access charges to local calls is completely 5 inconsistent with the reciprocal compensation requirements I described earlier in this testimony. 6 7 Q: HOW DOES BELLSOUTH'S REFUSAL TO PAY RECIPROCAL COMPENSATION IMPACT LEVEL 3 AND OTHER ALECS? 8

Level 3 has been successful in attracting ISP 9 A: providers and other customers requiring advanced 10 11 telecommunications services to its network. 12 BellSouth's attempt to exclude these types of local 13 customers from reciprocal compensation obligations 3's customer base unfairly targets Level 14 and 15 threatens to leave Level 3 in the untenable position of delivering a large number of calls, 16 originated by BellSouth customers, without any 17 payment from BellSouth. In essence, Level 3 is 18 being asked to carry large volumes of BellSouth 19 traffic without any ability to charge BellSouth for 20 21 its carriage.

Q: DO YOU HAVE ANY IDEA WHY LEVEL 3 AND BELLSOUTH HAVE
NOT BEEN ABLE TO REACH CONSENSUS ON THIS ISSUE?
A: While I would never suggest to speak for BellSouth
as to why it finds this issue to be of such

importance, I think it is safe to say that 1 BellSouth is oftentimes a "net payor" of reciprocal 2 This is due primarily to the fact compensation. 3 ALECs appear to be more successful in 4 that attracting ISP providers to their local service 5 offerings than BellSouth has been in retaining 6 them. Consider that although the vast majority of 7 services and prices included in an interconnection 8 agreement between BellSouth and a ALEC govern the 9 rates, terms and conditions by which the ALEC will 10 pay BellSouth for service, this is one area where 11 BellSouth may actually, in some circumstances, be 12 required to pay the ALEC for services the ALEC 13 It is likely for that provides to BellSouth. 14 reason that BellSouth is acutely interested in the 15 rates that will be paid for reciprocal compensation 16 and the terms and conditions under which they will 17 be assessed. 18

19Q:HASN'T THE FCC ALREADY ADDRESSED THIS ISSUE AND20FOUND THAT CALLS TO ISPS ARE INTERSTATE CALLS?21A:It did, but two aspects of that decision must be22noted.¹² First, that decision no longer stands. On

¹² In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996; Declaratory Ruling in CC Docket no. 96-98 and Notice of Proposed Rulemaking in CC Docket No. 99-68; Released: February 26, 1999; (ISP Order)

1 March 24, 2000, the United States Court of Appeals 2 for the District of Columbia Circuit vacated the FCC's Declaratory Ruling in CC Docket No. 96-98. 3 Bell Atlantic v. FCC, Case No. 99-1094 (D.C. Cir.). 4 Second, while the FCC had stated at paragraph 18 of 5 its ISP Order that "a substantial portion of 6 7 Internet traffic involves accessing interstate or 8 foreign websites," the FCC clarified its position with respect to the intercarrier compensation of 9 10 ISP calls at paragraph 25:

Even where parties to interconnection 11 12 agreements do not voluntarily agree on an 13 inter-carrier compensation mechanism for 14 ISP-bound traffic, state commissions 15 nonetheless may determine in their 16 arbitration proceedings at this point that reciprocal compensation should be 17 paid for this traffic. The passage of 18 the 1996 Act raised the novel issue of 19 20 the applicability of its local 21 competition provisions to the issue of inter-carrier compensation for ISP-bound 22 23 traffic. Section 252 imposes upon state 24 commissions the statutory duty to approve

voluntarily-negotiated interconnection 1 arbitrate and to agreements 2 interconnection disputes. As we observed 3 in the Local Competition Order, state 4 commission authority over interconnection 5 section 252 agreements pursuant to 6 "extends to both interstate and 7 intrastate matters." Thus the mere fact 8 ISP-bound traffic is largely 9 that interstate does not necessarily remove it 10 from the section 251/252 negotiation and 11 arbitration process. However, any such 12 arbitration must be consistent with 13 governing federal law. While to date the 14 Commission has not adopted a specific 15 rule governing the matter, we do note 16 that our policy of treating ISP-bound 17 traffic as local for purposes of 18 interstate access charges would, if 19 applied in the separate context of 20 reciprocal compensation, suggest that 21 such compensation is due for that 22 traffic. [emphasis added, footnotes 23 removed 24

1 Thus, even if one overlooks the fact that the FCC's 2 ISP Order has been vacated, the text of that order 3 would have supported a decision that reciprocal 4 compensation is owed for ISP-bound traffic.

5 Q: HOW WOULD YOU SUGGEST THE QUESTION OF COMPENSATION 6 FOR ISP-BOUND TRAFFIC BE CONSIDERED SINCE THE ISP 7 ORDER HAS BEEN VACATED?

8 A: I would suggest that the Commission look to its own 9 prior decisions in this area as well as to public 10 policy and economic considerations in determining 11 how to address the present dispute.

Q: PLEASE EXPLAIN WHY SOUND PUBLIC POLICY AND ECONOMIC
 REASONING SUPPORT RECIPROCAL COMPENSATION PAYMENTS
 FOR ISP-BOUND TRAFFIC.

The Commission's decisions in this regard will have A: 15 a substantial impact on the Internet marketplace 16 investment required to realize the 17 and the potential electronic communication and of 18 e-commerce as a whole. The list below provides an 19 and economic public policy overview of the 20 rationales that support requiring payments for 21 ISP-bound traffic via the application of transport 22 charges (i.e. reciprocal termination and 23 compensation): 24

ISP providers are an important market segment 1 (a) for all carriers - both ALECs and ILECs - and making 2 it more costly to serve them is likely to distort 3 one of the only local exchange market segments that 4 appears to be well on its way toward effective 5 ISPs have been drawn to ALECs like 6 competition. 7 Level 3 in large part because these ALECs have been more willing to meet their unique service needs 8 collocation of facilities 9 such as and short provisioning intervals. Allowing ILECs to direct 10 calls to the ISPs by using the ALEC network without 11 paying anything for its use penalizes the ALEC for 12 attracting customers via innovative and customer 13 service focused products. 14

Despite complex legal arguments and historical 15 (b) definitions, the simple fact remains that calls 16 directed to ISPs are functionally identical to 17 local voice calls for which BellSouth agrees to pay 18 termination charges. Applying different 19 20 termination rates or, even worse, compensating a carrier for one type of call and not for the other, 21 22 will generate inaccurate economic signals in the marketplace, the result of which will drive firms 23 away from serving ISPs. This result could have a 24

dire impact on the growing electronic communication
 and e-commerce markets.

3 (C)Requiring carriers to pay reciprocal compensation rates for the termination of ISP-bound 4 traffic is economically efficient. Indeed, because 5 termination rates must be based 6 upon the incumbent's underlying costs, BellSouth should be 7 economically indifferent as to whether it itself 8 incurs the cost to terminate the call on its own 9 network or whether it incurs that cost through a 10 11 reciprocal compensation rate paid to Level 3. The fact that BellSouth is not economically indifferent 12 13 stems from its incentive to impede Level 3's entry into the marketplace instead of an incentive to be 14 15 as efficient as possible in terminating its traffic. 16

17 (d) Because BellSouth is required to pay, as well as receive, symmetrical compensation for local 18 19 exchange traffic based upon its own reported costs, its payments to other carriers in this regard are 20 an important check on BellSouth's cost studies used 21 to establish rates for the termination of traffic. 22 23 Unless BellSouth is required to pay the costs that it itself has established via its own cost studies, 24 it has every incentive to over-estimate those costs 25

for purposes of raising barriers to competitive 1 2 entry. By removing large traffic volume categories as ISP-bound traffic from BellSouth's 3 such obligation to pay terminating costs, the Commission 4 would be removing an important disciplining factor 5 6 associated with ensuring that BellSouth's reported termination costs are reasonable. 7

8 Q: PLEASE EXPLAIN IN GREATER DETAIL YOUR CONTENTION 9 THAT BECAUSE ISP PROVIDERS ARE AN IMPORTANT MARKET 10 SEGMENT FOR ALECS, ELIMINATING AN ALEC'S ABILITY TO 11 RECOVER COSTS ASSOCIATED WITH SERVING THEM IS 12 LIKELY TO DISTORT THE MARKET.

Transitionally competitive markets, like the local 13 A: 14 exchange market, have shown that new entrants are 15 usually most successful in attracting customers that (1) are unsatisfied with the services or 16 17 quality offered by the incumbent, (2) have technological, capacity 18 or other specific requirements that are not easily met by the 19 20 incumbent's oftentimes inflexible service 21 offerings, and/or (3) don't have a long history of taking service from the incumbent. ISP providers 22 23 fall directly into all three of these categories as 24 many of them have been unable to reach agreement 25 with ILECs in areas such as pricing for high

capacity lines, provisioning intervals, collocation 1 of their equipment in ILEC central offices or even 2 in some circumstances, the ability to purchase 3 service in sufficient quantity to meet their own 4 end-user customer demands. Likewise, most ISP 5 organizations are fairly new and have begun their 6 enterprise at a time when competitive alternatives 7 for local exchange services are available. Hence, 8 9 it is reasonable to expect that these types of businesses are less restricted by long term or 10 volume agreements, a long business relationship or 11 other circumstances that often breed loyalty to the 12 The fact that these customers are far 13 incumbent. more likely to explore competitive opportunities 14 than more traditional residential and/or business 15 customers has made them an extremely important 16 17 customer base for ALECs.

Likewise, ALECs, like Level 3, because of 18 their new track record and non-existent customer 19 base in new markets, are naturally more likely to 20 serve customers that require services specifically 21 22 tailored to their strengths (i.e. customer service, new technology deployment and substantial spare 23 Given these characteristics, 24 capacity). ISP providers and ALECs are effectively "made for one 25

1 another" and ISPs have flocked to new entrant ALECs 2 in increasing numbers. Likewise, ALECs have worked 3 with ISPs to design new and innovative services and 4 have provided ISPs the capacity they need to meet 5 their customers' increasing demands.

6 Q: IS THE LIKELIHOOD THAT ALECS SERVE ISPS IN GREATER 7 PROPORTION THAN A MATURE INCUMBENT LIKE BELLSOUTH 8 THE RESULT OF A MARKET FAILURE?

Not at all. The relationships between ALECs and 9 A: ISPs, as described above, are the direct result of 10 competitive market is meant to work. 11 how a 12 Carriers who are unwilling to meet the demands of their customers, lose those customers to carriers 13 who are more accommodating. Carriers who are 14 attempting to build market share tend to be more 15 accommodating than carriers who are attempting to 16 17 merely keep market share. Likewise, carriers who provide customer focused services and supply the 18 capacity required to meet their customers' demands 19 The fact that relatively new are rewarded. 20 require 21 customers who specific technological support have embraced new ALECs is one of the most 22 promising outcomes of the local exchange market's 23 transition to competition. Indeed, ISPs and other 24 25 technologically reliant customer groups are, in

1 many cases, providing the revenue and growth 2 potential that will fund further ALEC expansion 3 into other more traditional residential and 4 business markets.

5 Q: IF THE COMPETITIVE MARKETPLACE FOR ISP CUSTOMERS 6 APPEARS TO BE WORKING WELL, WHY IS LEVEL 3 ASKING 7 THE COMMISSION FOR ITS ASSISTANCE IN THIS 8 ARBITRATION?

9 A: Within the interconnection agreement at issue in this proceeding, BellSouth is refusing to pay going 10 forward, under the new contract, for traffic that 11 12 originates on its network and is directed to a local ISP customer served by Level 3. 13 Simply put, 14 BellSouth is asking through its proposed contract language that Level 3 provide its facilities for 15 of BellSouth's 16 the use customers without 17 compensation. Traffic originated on the BellSouth 18 network and directed to Level 3's local ISP customers is no different than other types of 19 20 traffic for which BellSouth has agreed to provide 21 reciprocal compensation. Given this, and the fact that Level 3 has agreed to pay BellSouth for 22 23 traffic originating on the Level 3 network and directed to a BellSouth local ISP, the Commission 24

should require BellSouth to compensate Level 3 for
 transporting and terminating such calls.

EARLIER YOU MENTIONED THAT ALLOWING BELLSOUTH TO 3 Q: ABBROGATE ITS OBLIGATION TO COMPENSATE LEVEL 3 FOR 4 TRAFFIC DIRECTED TO ITS LOCAL ISP CUSTOMERS WOULD 5 DISTORT ONE OF THE ONLY LOCAL EXCHANGE MARKET 6 7 SEGMENTS THAT APPEARS TO BE WELL ON ITS WAY TOWARD 8 EFFECTIVE COMPETITION. CAN YOU EXPLAIN THIS 9 CONCEPT IN GREATER DETAIL?

10 A: Yes. As I described above, ALECs have been more 11 successful in attracting a number of ISP customers 12 because they offered have those customers 13 innovations and reasonably priced advanced services 14 at a level of customer care that BellSouth was 15 unable or unwilling to provide. As such, BellSouth has lost a number of these customers to Level 3 and 16 17 other ALECs, resulting in this particular market segment exhibiting some of the most competitive 18 19 characteristics of any segment in the local market.

It is no coincidence that BellSouth wishes to avoid paying reciprocal compensation going forward for calls directed to this particular customer group. If BellSouth can successfully remove itself from an obligation to compensate ALECs for calls directed to their ISP customers, BellSouth will

have accomplished two tasks inimical to the
 competitive marketplace.

First, BellSouth will have been successful in 3 branding ISP customers as "unattractive" customers 4 from a local provider's standpoint because ISP 5 customers will generate costs for their local 6 7 service provider without providing any reciprocal 8 compensation revenues. By branding ISP customers as unattractive customers, BellSouth will have 9 significantly diminished the hard-earned victories 10 made by its competitor ALECs. 11

12 Second, a failure to provide any reciprocal compensation revenues associated with the function 13 of transporting and terminating traffic to ISPs 14 could disrupt the ISP marketplace. If ALECs need 15 to raise prices to ISPs because BellSouth does not 16 pay for call termination, this is likely to send 17 many ISPs back to BellSouth where its vastly larger 18 customer base can be used to offset the costs of 19 terminating the ISPs' traffic without raising ISP 20 Further, if their local exchange 21 local rates. rates are increasing, ISPs who do not return to 22 23 BellSouth would have little choice but to raise the rates charged to their individual end users. This 24 25 will in turn make BellSouth's ISP retail service

more attractive to individual end users, further stifling competition in the ISP market.

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All of these circumstances are disruptions to 3 4 competitive segment of the local exchange а 5 marketplace that seems to be operating more 6 effectively than most other more traditional 7 segments. The fact that each of these disruptions 8 happens to benefit BellSouth should not be lost on the Commission when it considers 9 BellSouth's 10 rationale for refusing to pay reciprocal compensation for ISP bound traffic. 11

12 Q: WOULD THERE BE NEGATIVE ECONOMIC RESULTS FROM 13 ALLOWING BELLSOUTH TO PAY NOTHING FOR CALLS DIRECTED TO ISPS YET PAY A HIGHER RATE FOR ALL 14 OTHER CALLS? 15

Of course. Given the option of receiving an amount 16 A: 17 greater than zero for carrying a non-ISP call and nothing for carrying an ISP call, any reasonable 18 carrier would fill its switch with non-ISP calls to 19 20 the extent possible. Likewise, any carrier that 21 currently served a larger proportion of ISP 22 customers would be a less profitable network than a 23 network that served a smaller proportion of ISP customers. In effect, allowing BellSouth to skirt 24 25 its obligation to pay for the use of an

interconnecting carrier's network to terminate its 1 local customers' calls to ISP providers will skew 2 the supply substitutability of ISP services versus 3 other local services, thereby making other local 4 5 exchange services relatively more attractive production alternatives. This may in turn raise 6 7 ISP prices in relation to other local exchange services thereby impairing an ISP's ability to 8 receive services at rates comparable to other local 9 10 end users. Not only is this in direct conflict with the FCC's intentions with respect to offering 11 12 ISPs an access charge exemption so as to place them 13 on а level playing field with other local customers, it also is likely, all else being equal, 14 15 to suppress ISP communication demand versus other types of non-ISP communication.¹³ 16 This price 17 discrimination effect will mean electronic communication 18 and e-commerce demand will undoubtedly grow at a slower pace than if there 19 were no discrimination. Any difference between the 20 unrestricted growth of electronic communication and 21 the suppressed growth caused by the uneconomic 22 price discrimination described above would result 23

¹³ <u>See</u>, ISP Order at \P 20.

in a net welfare loss due to the inefficient market
 consequences of BellSouth's failure to pay
 reciprocal compensation rates.

PLEASE EXPLAIN IN MORE DETAIL YOUR CONTENTION THAT 4 Q: BECAUSE TERMINATION RATES MUST BE BASED UPON THEIR 5 UNDERLYING COSTS, BELLSOUTH SHOULD BE ECONOMICALLY 6 7 INDIFFERENT AS TO WHETHER IT ITSELF INCURS THE COST TO TERMINATE THE CALL ON ITS OWN NETWORK OR WHETHER 8 9 INCURS IT THAT COST THROUGH Α RECIPROCAL 10 COMPENSATION RATE PAID TO LEVEL 3.

11 A: Assume that a BellSouth customer calls another 12 BellSouth customer within the same local calling 13 area, as described in Diagram 5 infra. The call 14 will travel a similar path to the case described 15 above in which a BellSouth customer is dialing a customer served by Level 3 or another ALEC, except 16 that both end offices will now be owned by 17 BellSouth. 18

In such a circumstance, BellSouth incurs costs associated with originating, transporting and terminating the call for which it is paid, by its originating customer, a local usage fee (either a flat fee per month or a per message or per minute charge, or both).

1 When compared to the scenario discussed above, 2 in which the terminating customer is served by 3 Level 3 or another ALEC, it is easy to see that the only difference between a call made between two 4 5 BellSouth local customers and the call made from a BellSouth customer to a Level 3 customer is that 6 7 the Level 3 network provides the terminating 8 transport and switching function that was 9 originally performed by the BellSouth network. In way, BellSouth 10 this avoids those of costs terminating the call. 11 Hence, if BellSouth has 12 accurately established its terminating reciprocal 13 compensation rate based upon its own costs of 14 terminating a call, it should be economically 15 indifferent with respect to whether a call both originates or terminates on its own network or 16 whether a call terminates on the Level 3 network. 17 BellSouth will either incur the terminating cost 18 via its own switch or it will incur that cost via a 19 20 cost-based rate paid to Level 3 for performing the termination function. Either way, the extent to 21 22 which a particular call is directed to a particular 23 kind of customer is irrelevant to the economics and 24 engineering of the call.

1Q:WHY IS THIS POINT CRITICAL TO UNDERSTANDING THE2DISPUTE REGARDING PAYMENT FOR ISP-BOUND TRAFFIC AT3ISSUE IN THIS PROCEEDING?

This point is critical for two reasons. First, 4 A : assume that neither Level 3 nor any other ALEC 5 existed and that BellSouth provides local services 6 to 100 percent of the customer base. Assume 7 further that ISP traffic is occurring at today's 8 levels with future growth expected to be even 9 In such a circumstance, BellSouth would 10 greater. be responsible not only for originating every call 11 12 but also for terminating every call, including calls made to ISP providers. BellSouth would 13 undoubtedly need to reinforce its network to 14 accommodate the additional capacity requirements 15 associated with this increase in traffic. It is 16 highly unlikely under such a circumstance that 17 BellSouth would be arguing that terminating traffic 18 an ISP provider should be done for free. 19 to However, that is exactly what BellSouth is asking 20 this Commission to do in this case. 21

The arbitration issue before the Commission differs from our hypothetical above in that instead of only BellSouth investing in its network to meet the capacity requirements of the traffic volume

increases that have occurred over the past few 1 years, new entrants have also invested capital and 2 have deployed their own switching capacity to 3 Likewise, as BellSouth accommodate this growth. 4 5 would have undoubtedly argued in our hypothetical above that it should be compensated for 6 its 7 additional investment to meet this growth, ALECs should also be compensated for terminating that 8 traffic such that their investments can be 9 recovered. 10

The second reason is of paramount importance 11 because it is at the heart of the dispute between 12 the parties in this case. As I have shown above, 13 BellSouth should be indifferent as to whether it 14 15 terminates the traffic or it avoids the costs of 16 termination and pays someone else, namely an ALEC, Yet we know that BellSouth is not to do so. 17 indifferent because it has refused to agree to such 18 compensation framework as part of the 19 new а interconnection agreement. The question is: Why? 20 The answer lies in one of two reasons. Either (1) 21 BellSouth's current rate for call termination is 22 23 not representative of its actual underlying costs and it realizes that paying an ALEC for terminating 24 traffic actually makes it economically "worse off" 25

1 than terminating the traffic itself, or (2) it has 2 a competitive interest in not providing a cost 3 recovery mechanism for its competitors regardless 4 of the extent to which it is economically 5 indifferent on any given call.

Q: DO YOU BELIEVE THAT EITHER OF YOUR SCENARIOS ABOVE
IS LIKELY TO BE AT THE ROOT OF BELLSOUTH'S REFUSAL
TO PAY COMPENSATION FOR CALLS DIRECTED TO ISP
PROVIDERS SERVED BY AN ALEC?

Obviously, I can't speak to what 10 A: motivates BellSouth's position in this respect. However, I 11 12 can speak to the economic incentives that are at 13 work in the local exchange marketplace and how 14 participants within that marketplace react to them. And, in this case, it would make sense that any 15 16 ILEC has an incentive (though an incentive steeped 17 in self-interest) to avoid payment for traffic 18 directed to an ISP served by an ALEC for both of 19 the reasons described above.

IN COMMENTS TO THE FCC, AND IN A NUMBER OF OTHER 20 Q: 21 DOCUMENTS, ILECS HAVE ARGUED THAT IT IS UNFAIR TO 22 FORCE THEM TO PAY ALECS FOR TERMINATING TRAFFIC TO 23 ISPS WHEN THEY ARE UNABLE TO RECOVER THOSE RECIPROCAL COMPENSATION PAYMENTS EITHER THROUGH 24 25 ACCESS CHARGES ASSESSED ON THE ISP OR FOR USAGE

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CHARGES ASSESSED TO THEIR OWN LOCAL CUSTOMERS. DO YOU HAVE ANY COMMENTS REGARDING THIS ISSUE?

Yes, I do. First, I've already discussed the fact Α. З that calls to ISPs are really indistinguishable 4 from calls to any other local customer. Hence, the 5 fact that a call is directed to an ISP or to any 6 other kind of customer is irrelevant to this 7 This argument does not support argument. 8 BellSouth's position that it will pay termination 9 charges for calls made to certain customers yet not 10 for calls directed to a business customer who 11 happens to be an ISP provider. 12

however, there seems to be Second, some 13 indication in this argument that ALECs are to blame 14 for the increased costs the ILECs contend they are 15 facing in meeting calling volume requirements 16 with electronic communication and 17 associated e-commerce. This simply isn't accurate. It is the 18 public's seemingly unquenchable thirst for Internet 19 access and other electronic communications media 20 that have caused the increased calling volumes that 21generate costs associated with carrying local 22 traffic to the Internet. And, it is important to 23 note that companies like BellSouth are on the front 24

lines marketing these services to feed the public's
 demand.

Q: PLEASE SUMMARIZE LEVEL 3'S POSITION ON RECIPROCAL COMPENSATION FOR ISP-BOUND CALLS.

5 A: Reciprocal compensation is required under the 1996 6 Act and the FCC rules. BellSouth's proposal would 7 result in Level 3 carrying large volumes of 8 BellSouth traffic without any compensation. This 9 position is inconsistent and anticompetitive.

10 BellSouth has agreed to pay reciprocal compensation for local calls dialed to an ALEC 11 12 residential or business customer. Consistent with public policy and economic objectives and the 13 Commission's decision in other arbitration cases, 14 BellSouth should also pay Level 3 reciprocal 15 compensation for calls to those customers who 16 happen to be ISPs. Charging different rates for 17 what are identical types of calls would result in 18 significant negative impacts in the market place 19 20 and to BellSouth's competitors. Finally, the FCC 21 has enforced the ESP exemption such that enhanced service providers, including ISPs, should not pay 22 access charges. At paragraph 20 of the ISP Order, 23 the FCC states as follows: 24

25Our determination that at least a26substantial portion of dial-up ISP-bound

traffic is interstate does not, however, 1 alter the current ESP exemption. 2 ESPs, 3 including ISPs, continue to be entitled to purchase their PSTN links through 4 intrastate (local) tariffs rather than 5 6 through interstate access tariffs. Nor, as we discuss below, is it dispositive of 7 interconnection disputes currently before 8 state commissions. 9 10 HAS THIS COMMISSION RULED ON THE JURISDICTIONALITY 11 Q: OF ISP-BOUND TRAFFIC? 12 To the best of my knowledge, this Commission 13 A: Yes. has addressed the reciprocal compensation issue for 14 ISP-bound traffic in at least three proceedings in 15 the last year. The proceedings were arbitrations 16 between BellSouth and ITC^DeltaCom Communications, 17 Intermedia Communications, and Global NAPS. 18 WERE THE RULINGS IN THOSE PROCEEDINGS SIMILAR? 19 Q: 20 A: Yes, they were. The Commission recognized that the FCC's Declaratory Ruling and Notice of Proposed 21 Rulemaking (referred to herein as the ISP Order) 22 does not have a final rule governing inter-carrier 23 24 compensation for ISP-bound traffic and that states allowed to determine whether reciprocal 25 are 26 compensation is due for the traffic. Indeed, in the Delta^{Com} Order the Commission stated, 27

28We agree with ITC^DeltaCom witness29Rozycki that state commissions may

determine that reciprocal compensation is 1 due for ISP-bound traffic.¹⁴ 2 3 Consistent with that ruling, the Commission 4 has ordered the continuation of inter-carrier 5 6 agreements pending the FCC's final rule on the treatment of ISP-bound traffic. In the order cited 7 8 above, the Commission stated: 9 Upon consideration, we find it reasonable the parties shall continue to 10 that operate under the terms of their current 11 interconnection agreement 12 regarding 13 reciprocal compensation until the FCC ruling on whether its final 14 issues 15 ISP-bound traffic should be defined as local or whether reciprocal compensation 16 is otherwise due for this traffic.¹⁵ 17 18 PLEASE SUMMARIZE YOUR POSITION ON ISSUE 6. 19 Q: 20 Calls to ISPs are handled and processed in the same A : manner as any other local call and reciprocal 21 compensation should be paid on those calls. 22 BellSouth should not be allowed to avoid reciprocal 23 24 compensation for these calls as it would result in carrying calls originated by BellSouth 25 ALECs customers without any compensation. Further, 26 27 BellSouth has failed to show why calls to ISPs

¹⁴ Before the Florida Public Service Commission; <u>FINAL ORDER ON</u> <u>ARBITRATION</u>; Docket No. 990750-TP; Order No. PSC-00-0537-FOF-TP; Issued March 15, 2000; at 33.

¹⁵ <u>Id</u>. at 34.

should be treated any differently from other local 1 calls. Finally, this Commission has determined in 2 other proceedings that its decision on the 3 jurisdictionality of ISP-bound calls may be 4 impacted by the FCC's final rule. As such, the 5 status quo should be maintained unless and until б the FCC issues a decision that definitively 7 addresses this issue. 8

9 ISSUE 7 - SHOULD BELLSOUTH BE PERMITTED TO DEFINE ITS 10 OBLIGATION TO PAY RECIPROCAL COMPENSATION TO LEVEL 3 11 BASED UPON THE PHYSICAL LOCATION OF LEVEL 3'S CUSTOMERS? 12 SHOULD BELLSOUTH BE ABLE TO CHARGE ORIGINATING ACCESS TO 13 LEVEL 3 ON ALL CALLS GOING TO A PARTICULAR NXX CODE 14 BASED UPON THE LOCATION OF ANY ONE CUSTOMER?

PLEASE BRIEFLY DESCRIBE THE DISPUTE ON THIS POINT. 15 Q: BellSouth argues that it should not be required to 16 Α: reciprocal compensation for any call 17 pay 18 terminating to a customer who is physically located outside of the local calling area where the call 19 originates. Further, BellSouth argues that it 20 should be able to charge originating access charges 21 for all calls to customers physically located 22 outside the local calling area. BellSouth provides 23 no evidence that such calls increase its costs as 24

compared to other local calls in any way such that additional cost recovery is justified.

BellSouth does not incur any additional costs 3 in delivering traffic to Level 3's switch based on 4 the location of Level 3's customers. Further, it 5 would be inconsistent and anticompetitive to allow 6 7 BellSouth to evade reciprocal compensation and then 8 to charge Level 3 originating switched access charges for calls going to a particular NXX code. 9 10 Finally, the FCC's ESP Exemption specifically prohibits the imposition of access charges on 11 12 enhanced service.providers, including ISPs.

13 Q: WHAT ARE NXX CODES?

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A: NXX codes are the fourth through sixth digits of a 14 ten-digit telephone number. These codes are used 15 as rate center identifiers, but it is not uncommon 16 for NXX codes to be assigned to customers who are 17 not physically located in that rate center. 18 This type of arrangement has at times been referred to 19 as "Virtual NXX" because the customer assigned to 20 21 the telephone number has a "virtual" presence in the associated local calling area. This flexible use 22 23 of NXX codes allows carriers to offer valuable 24 services to their customers. For instance, 25 so-called virtual NXX arrangements enable ISPs to

offer low cost dial-up numbers throughout Florida, 1 including the more isolated areas of the State. 2 Access to the Internet is affordable and readily 3 available in all areas of the state because virtual 4 NXX arrangements allow ISPs to establish a small 5 number of points of presence (POP) that can be 6 reached by dialing a local number regardless of the 7 subscriber physical location of the Internet 8 9 (within the LATA).

10Q:IS IT UNLAWFUL OR AGAINST ANY RULES FOR ALECS TO11PROVIDE VIRTUAL NXXS TO THEIR CUSTOMERS?

The use of virtual NXX codes is not unlawful No. 12 A: or in any other way improper. BellSouth provides a 13 virtual NXX service to ISPs called foreign exchange 14 service. Indeed, nobody complained about such uses 15 of NXX codes until ALECs had some success in 16 attracting ISP customers and the ILECs began 17 looking for any means possible to avoid paying 18 ALECs for terminating calls to ISPs. 19

20 Q: CAN YOU DESCRIBE THE IMPACT OF BELLSOUTH'S PROPOSED 21 LANGUAGE WITH RESPECT TO THE CUSTOMER'S PHYSICAL 22 LOCATION, IN MORE DETAIL?

A: Yes, as noted above, the language proposed by
BellSouth would have at least three significant
negative impacts in Florida. First, if the

Commission adopted BellSouth's proposed language, BellSouth would be able to evade its reciprocal compensation obligations under the 1996 Act.

4 Second, and also contrary to one of the 5 fundamental goals of the 1996 Act, BellSouth's 6 proposed language would have a negative impact on 7 the competitive deployment of affordable dial-up 8 Internet services in Florida.

9 Finally, BellSouth's proposed language would 10 give BellSouth a competitive advantage over Level 3 11 in the ISP market.

12Q: HOW WOULD BELLSOUTH EVADE ITS RECIPROCAL13COMPENSATION OBLIGATIONS TO LEVEL 3 BY LIMITING14RECIPROCAL COMPENSATION TO CALLS ORIGINATING AND15TERMINATING IN THE SAME LOCAL CALLING AREA?

16 A: Placing limitations on reciprocal compensation by 17 referring to a customer's physical location would give BellSouth the ability to re-classify local 18 calls as toll calls. This is because according to 19 BellSouth's proposed language, it would be nearly 20 impossible and much more economically burdensome 21 22 for Level 3 (or any other ALEC in a similar situation) to utilize virtual NXXs in the provision 23 of service to its customers. Virtual NXXs are 24 often used by carriers to provide a local number to 25

1 customers in local calling areas in which the 2 customer is not physically located. Customers who 3 are physically located (both ILEC and ALEC customers) in that area are then able to place 4 5 calls to the virtual NXX customer without incurring toll charges. If BellSouth precludes Level 3 or 6 7 any other ALEC from using virtual NXXs for local calls to ISPs, not only would BellSouth customers 8 9 no longer be able to reach many of their ISPs by dialing a local number, but because calls to the 10 re-classified ISP have been as toll 11 calls. 12 BellSouth would no longer be obligated to pay the reciprocal compensation associated with local 13 14 calls. One must consider the implications in both the competitive telecommunications market and the 15 16 Internet access market - if a carrier cannot use virtual NXXs to serve ISPs without paying BellSouth 17 a high per-minute charge for originating each call 18 and then also loses the ability to collect any 19 compensation from BellSouth in terminating the 20 call, what incentive will any carrier have to serve 21 22 ISPs? And who then will the ISPs turn to in order to ensure that their own customers in Florida don't 23 have to dial a toll call to reach the Internet? 24 Т 25 will discuss later in this testimony how these

affect 1 considerations could the Florida telecommunications and Internet access markets. 2 DO THE COSTS INCURRED BY BELLSOUTH DIFFER WHEN ONE 3 0: 4 OF ITS CUSTOMERS DIALS A VIRTUAL NXX NUMBER AS 5 OPPOSED TO A PHYSICAL NXX, THEREBY PROVIDING JUSTIFICATION FOR BELLSOUTH AVOTD 6 TO PAYING 7 RECIPROCAL COMPENSATION AND BEGIN IMPOSING SWITCHED ACCESS CHARGES? 8

9 A : No. There is no additional cost incurred by 10 BellSouth when a virtual NXX is provided to an ALEC 11 customer, because BellSouth carries the call the same distance and incurs the same costs regardless 12 13 of whether the call is terminated to an ALEC customer with a physical location in the NXX rate 14 center, or an ALEC customer with a virtual 15 presence. BellSouth's obligations and costs are 16 17 therefore exactly the same in delivering a call originated by one of its customers, regardless of 18 19 whether the call terminates at a so-called "virtual" or "physical" NXX behind the ALEC switch. At a time 20 when regulators and the industry are looking to 21 22 move to more competitive market models by 23 eliminating implicit subsidies in 24 telecommunications rates and intercarrier payments, it would seem contrary to reason to suddenly now 25

1 foist switched originating access charges on a 2 certain type of customer traffic when the costs of 3 originating that traffic do not differ from any 4 other local call.

5 Q: DOES THE USE OF VIRTUAL NXX CODES IMPACT THE 6 HANDLING OR PROCESSING OF A CALL TO A LEVEL 3 7 CUSTOMER?

8 A: No. BellSouth would always be responsible for 9 carrying the call to the IP on its own network and then paying for delivery of the call over the same 10 11 distance (from the IP to the ALEC switch). The use of a virtual NXX does not impact BellSouth's 12 financial and/or operational responsibilities such 13 14 that it should be eligible to avoid paying any 15 compensation to the terminating LEC or collecting additional compensation itself. 16

17Q:PLEASE EXPLAIN IN GREATER DETAIL YOUR CONTENTION18THAT CALLS DIRECTED TO ISPS ARE FUNCTIONALLY19IDENTICAL TO LOCAL VOICE CALLS FOR WHICH BELLSOUTH20HAS AGREED TO PAY TERMINATION CHARGES.

A: Let's begin with a quick review of the technical
requirements of reciprocal compensation. This
drawing attached hereto as Exhibit _____ (TJG3) (Diagram 3) depicts one way that BellSouth may

route and terminate local calls on its own network, to and from its own customers.

1

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The customer on the left calls the customer on 3 The call is switched at the central 4 the right. office to the tandem where is it routed to the 5 terminating central office and finally to the 6 called party.¹⁶ 7 In this scenario, Ameritech is financially and operationally responsible for both 8 originating and terminating the call. 9

HOW DOES THE FINANCIAL 10 Q: AND OPERATIONAL RESPONSIBILITY CHANGE IN Α MULTIPLE 11 PROVIDER ENVIRONMENT? 12

A: In an environment with multiple providers, the parties share the responsibility for carrying this call. Interconnection and reciprocal compensation agreements define carrier responsibilities in a multiple provider environment. See Diagram 4 attached as Exhibit __ (TJG-4).

19In comparing Diagram 3 and this diagram20(Diagram 4), there is a point of interconnection or21"POI" in a multiple provider situation. The POI is

¹⁶ This is just one example of how a call might be routed. There are other possible routes a call could take that would not include the tandem. Direct trunking between central offices is possible and so is an intra-office call. These different scenarios do not impact the point of this discussion.

1 the physical interconnection between the two 2 networks and represents the point where financial 3 and operational responsibility for handling local 4 calls changes. The POI is sometimes referred to as 5 the interconnection point or IP. I use these terms 6 interchangeably in this testimony.

7 Q: PLEASE EXPLAIN HOW A CALL IS ROUTED IN THIS 8 MULTIPLE CARRIER ENVIRONMENT.

Assuming a BellSouth customer originates a call to 9 A: the Level 3 customer, BellSouth is responsible for 10 getting the call to Level 3's POI. 11 BellSouth switches and transports the call to the POI. 12 From 13 the POI, Level 3 is responsible for terminating the 14 call for BellSouth - again, switching and transporting the call to the called party. 15 In 16 return, BellSouth pays Level 3 for terminating the call. The originating carrier is compensated for 17 its portion of the call through local rates, 18 19 vertical features (i.e., call waiting, call 20 forwarding, star codes), EAS arrangements and other 21 subsidies, such as access charges, that support 22 local rates. The routing and compensation 23 responsibilities are reversed if a Level 3 customer calls a BellSouth customer. 24 Hence the term "reciprocal." 25

1 Q: DO YOU AGREE WITH BELLSOUTH'S ATTEMPT TO LIMIT ITS 2 OBLIGATION TO PAY RECIPROCAL COMPENSATION?

No. BellSouth insists on language that would limit 3 A: the reciprocal compensation obligations by defining 4 local calls as only those calls originating and 5 terminating to customers located physically within 6 7 the same local calling area. BellSouth also excludes traffic destined for Internet Service 8 Providers, ISPs, 9 or from the reciprocal compensation obligation. 10 These positions are anticompetitive and should be rejected by this 11 Commission. 12

Q: PLEASE PROVIDE SOME EXAMPLES THAT SHOW THE FLAWS IN BELLSOUTHS'S POSITION.

BellSouth's definition of local calls subject to 15 A: reciprocal compensation would eliminate reciprocal 16 compensation for terminating BellSouth customer 17 18 calls to an entire class of customers who purchase local exchange service. A few diagrams will show 19 that ISP-bound calls served through a virtual NXX 20 arrangement are no different than other local calls 21 and they will show the inconsistency of BellSouth's 22 23 arguments.

24In the diagram attached hereto as Exhibit ____25(TJG-5) (Diagram 5) I show a call that both

originates and terminates within the same local
 calling area.

BellSouth is responsible for carrying the call from its customer to the POI. Level 3 is responsible for terminating the call to the Level 3 customer for BellSouth.

7 Q: DOES THE PHYSICAL LOCATION OF THE CUSTOMER IMPACT 8 BELLSOUTH'S COSTS AND/OR RESPONSIBILITIES?

The importance of this comparison rests in the 9 A: No. fact that BellSouth's costs of transporting and 10 terminating traffic are not impacted by 11 the 12 location of the customer to whom the call to terminates and/or the extent which 13 the terminating customer is either a residential, 14 business or Internet Service Provider. 15

Level 3's customer has an NXX associated with Calling Area 1 - a service option I have described above as a virtual NXX. In short, this service

allows the customer to have a local telephone
 number in calling area 1.

3 BellSouth's customer calls the Level 3 customer in local calling area 2 using a virtual 4 5 NXX number. As in our prior example, BellSouth is still responsible for getting the call to the POI. 6 7 Again, Level 3 is responsible for terminating the The location of the called party does not 8 call. 9 change the handling of the call by BellSouth or Level 3, nor does it change BellSouth's costs of 10 11 handling the call.

 12
 Q:
 HOW DO BELLSOUTH'S RESPONSIBILITIES CHANGE IF THE

 13
 BELLSOUTH CUSTOMER CALLS THE LEVEL 3 CUSTOMER IN

 14
 LOCAL CALLING AREA 1?

15 Α: Again, referring to Diagram 6 above, if the 16 BellSouth Customer calls the Level 3 customer in 17 the same local calling area, the routing and 18 handling of the call is no different than if the 19 call was made to the Level 3 customer in local 20 calling area 2 with a virtual NXX. BellSouth is 21 responsible for getting the call to the POI and 22 Level 3 terminates the call. So, as you can see, 23 the location of the called party has no impact on 24 BellSouth's responsibilities or costs. Further, 25 whether the BellSouth customer dials a physical NXX

1 (to the Level 3 customer in local calling area 1) 2 or a virtual NXX (to the Level 3 customer in local 3 calling area 2) the responsibilities and costs for 4 BellSouth do not change.

Now, let's look at a situation where the POI and the called party are in another local calling area.

5

6

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8 In this situation (Diagram 7) attached hereto 9 Exhibit (TJG-7), BellSouth is still as responsible for getting the call to the POI. 10 The fact that the called party is in a different local 11 calling impact BellSouth's 12 area does not responsibility or costs. There is therefore no 13 rational cost basis for allowing BellSouth to 14 15 assess originating access charges on this call or avoid paying terminating compensation on this call. 16

17 Q: PLEASE SUMMARIZE YOUR POSITION ON THIS POINT.

A call originated on the BellSouth network using a 18 A: 19 physical or virtual NXX and directed to any ALEC's network travels exactly the same path and requires 20 the use of exactly the same facilities as any other 21 Calls to physical or virtual 22 local call would. 23 NXX numbers use the same path and the same equipment to reach the Interconnection Point and 24 25 the terminating carrier's switch. To single out the

virtual NXX calls to ISPs and suggest that no compensation should be paid for purposes of carrying that particular call ignores the simple economic reality that both kinds of calls are functionally identical and should be subject to reciprocal compensation.

Q: PLEASE EXPLAIN WHY IMPOSITION OF ORIGINATING ACCESS
CHARGES ON LEVEL 3 FOR VIRTUAL NXX CALLS IS
INAPPROPRIATE.

10 A: BellSouth's proposal to limit its reciprocal compensation obligations and to collect originating 11 access from Level 3 based upon customers' physical 12 13 location has no basis in law or fact. Indeed, the 14 TSR Order at paragraph 34 specifically notes that "The Local Competition Order requires a carrier to 15 16 pay the cost of facilities used to deliver traffic 17 originated by that carrier to the network of its 18 co-carrier, who then terminates that traffic and 19 bills the originating carrier for termination compensation." In that same paragraph, the FCC 20 21 states, "This regime represents 'rules of the road' under which all carriers operate, and which make it 22 2.3 possible for one company's customer to call any 24 other customer even if that customer is served by 25 another telephone company." (emphasis added)

1 As I have shown, ISP-bound calls are handled 2 and processed in exactly the same manner as any other local call. Further, this Commission has 3 found repeatedly that, at least on an interim 4 basis, ISP-bound calls shall be treated as local 5 calls for purposes of reciprocal compensation. 6 7 Deciding now that virtual NXX calls should somehow 8 be treated differently would effectively render 9 meaningless any decision that reciprocal compensation is due for ISP-bound traffic, since 10 ISPs are often served through such arrangements. 11

12 BellSouth's proposal is especially egregious BellSouth's costs 13 qiven that do not change 14 depending upon the location of the called party. 15 Regardless of the customer's location, BellSouth's 16 responsibility for carrying originating 17 locally-dialed traffic on its own network will 18 always end at the IP, where its network ends and 19 Level 3's network begins. Its responsibility for 20 paying reciprocal compensation to Level 3 will 21 always end at the Level 3 switch, regardless of 22 where the customer is served beyond that switch. 23 Thus, BellSouth's costs and obligations in 24 originating a locally-dialed call from a particular 25 BellSouth customer cannot differ because of where

Level 3's customer is located. Given that there is 1 2 no cost difference, it would seem arbitrary to then 3 impose a different rate structure on these virtual 4 NXX calls. 5 0: HAS THIS COMMISSION FOUND THAT APPLYING ACCESS CHARGES TO ISP-BOUND TRAFFIC IS INAPPROPRIATE? 6 7 A: Yes, it has. In the Global NAPS arbitration proceeding, the Commission stated, 8 9 In considering other possible compensation options for ISP-bound traffic, we find GNAPS 10 witness Selwyn's argument compelling, wherein he 11 12 states: 13 [w] hile one could make a case in the abstract for the notion that ISPs should 1415 pay access charges, as opposed to being 16 allowed to connect to the public switched 17 network just like other end users, not 18 only is such an arrangement not in place 19 today, it is affirmatively banned today 20 by the operation of the [FCC's] ESP exemption.17 21 22 23 Increasing the cost of Internet access through 24 the introduction of access charges and the denial 25 of reciprocal compensation would be inconsistent with the Act's mandate for Internet services . 26 More specifically, Section 230(b)(2) (47 U.S.C. 27

¹⁷ Before the Florida Public Service Commission; <u>FINAL ORDER ON</u> <u>ARBITRATION</u>; Docket No. 991220-TP; Order No. PSC-00-1680-FOF-TP; Issued: September 19, 2000; at 13.

230) of the Act states "It is the policy of the 1 preserve the vibrant and 2 United States to competitive free market that presently exists for 3 and other interactive Internet computer 4 the by Federal services, unfettered or state 5 regulation." To the extent BellSouth's proposal to 6 distinguish Internet usage from other local usage 7 depresses demand for Internet usage, it is not in 8 the public interest. 9

10Q.WHY IS IT IMPORTANT FOR LEVEL 3 TO PROVIDE ITS11CUSTOMERS WITH VIRTUAL NXXS?

Level 3 and other ALECs provide (and, as discussed A: 12 below, seemingly BellSouth itself provides) 13 а valuable service to customers by providing them 14 with virtual NXXs. For example, Level 3 may 15 attract ISP customers by providing virtual NXXs. 16 The virtual NXX allows the ISP's subscribers to 17 access the Internet by calling a local number, even 18 though the ISP's POP may be further away. 19

A key competitive advantage - indeed, a practical business necessity - for any ISP is having a local dial-up for a prospective customer. Because Internet-bound calls are often longer in duration than other calls, avoiding toll charges associated with accessing an ISP's POP that is not

located in the user's rate center dramatically
 reduces the user's Internet costs. Therefore, ISPs
 will often choose their carrier based on the
 carrier's ability to provide local dial-up
 capability via the virtual NXX.

6Q:HOW WOULD THE COMPETITIVE DEPLOYMENT OF AFFORDABLE7INTERNET SERVICES BE IMPACTED IF BELLSOUTH8RESTRICTS ALECS USE OF NXX CODES?

By contractually inhibiting the use of NXXs in such 9 A: a manner that Level 3 and other ALECs cannot offer 10 virtual NXXs without facing additional charges, the 11 costs associated with accessing the Internet would 12 increase. By using virtual NXX assignments, Level 13 3 and other ALECs have been able to provide 14 services that allow ISPs to provide low cost 15 Internet services throughout Florida, by allowing 16 17 ISP customers to access the Internet by dialing a local number. Eliminating the ability to provide 18 virtual NXX codes - or refusing to pay reciprocal 19 compensation for these local calls -- would be a 20 step in the wrong direction in the deployment of 21 22 affordable Internet services in Florida, as the end result would be a decrease in usage of Internet 23 24 services by Florida citizens facing the prospect of

toll charges or other increased costs to access
 their ISPs.

This would be in direct conflict with the 1996 3 Act, which calls for consumers in all regions of 4 5 the Nation, including those in rural, insular, and have access to 6 high cost areas, to telecommunications and information services 7 at just, reasonable, and comparable rates. (Sec. 8 254(b)) 47 U.S.C. § 254(b). 9

10Q:WOULD BELLSOUTH'S PROPOSED LANGUAGE GIVE BELLSOUTH11A COMPETITIVE ADVANTAGE IN THE ISP MARKET?

BellSouth markets certain products to ISPs. 12 A: Yes. These service offerings appear to be no different 13 from what ALECs such as Level 3 offer their own ISP 14 15 customers using a virtual NXX arrangement. If 16 ALECs are prohibited from receiving reciprocal compensation for virtual NXX calls to prospective 17 and current ISP customers through BellSouth's 18 proposed contract restrictions, ISPs would either 19 have to establish multiple POPs in order to allow 20 their subscribers to access the Internet via a 21 local number or to contract with BellSouth and 22 subscribe to BellSouth's ISP products. Because 23 each POP requires a significant investment in 24 hardware and leased line connections, and because 25

1 provisioning services in new areas may cause delays 2 in ISP service offerings, the ability to offer ISP customers local dial-up and single POP capability 3 is a critical competitive consideration. 4 More importantly, forcing ISPs and CLECs to deploy these 5 6 facilities - when, as described above, such 7 deployment is not at all necessary - would encourage 8 inefficiency and a wasteful allocation of limited ALEC Only BellSouth, 9 resources. with its ubiquitous network developed with the support of 10 11 decades of subsidies, could likely offer ISPs the 12 kind of presence required in each local calling area to avoid a virtual NXX situation. Moreover, 13 14 by precluding Level 3 from receiving reciprocal 15 compensation for these services, and then 16 threatening to impose higher access charges on each call, BellSouth is creating an economic barrier to 17 18 any other carriers providing service to ISPs, and 19 giving itself significant competitive is а This clear advantage for BellSouth 20 advantage. would not only stifle the ability of ALECs such as 21 22 Level 3 to provide service to ISPs in Florida, but would essentially eliminate the prospect 23 for competition in this market. 24

 1
 Q: PLEASE SUMMARIZE YOUR POSITION ON ORIGINATING

 2
 ACCESS RECIPROCAL COMPENSATION FOR CALLS UTILIZING

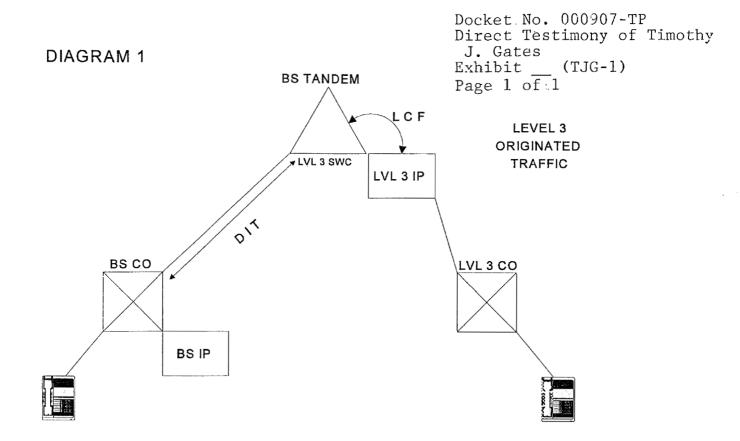
 3
 VIRTUAL NXX CODES.

A: The use of virtual NXX codes allows consumers 4 5 efficient access to ISPs and Internet services that would otherwise be impossible if such calls were 6 7 treated as toll calls. Further, treating calls to 8 virtual NXX numbers as something other than local 9 would inappropriately allow BellSouth to avoid 10 payment of reciprocal compensation and qive 11 BellSouth a competitive advantage over ALECs in the 12 ISP market. For all these reasons, the Commission 13 should adopt Level 3's position and delete 14 BellSouth's proposed language that would impose 15 originating access charges and eliminate reciprocal 16 compensation for local calls based on the physical 17 location of the ISPs, and the Commission should 18 specifically find that calls to ISPs should be 19 treated local calls since as there are no 20 additional costs or responsibilities borne by 21 BellSouth.

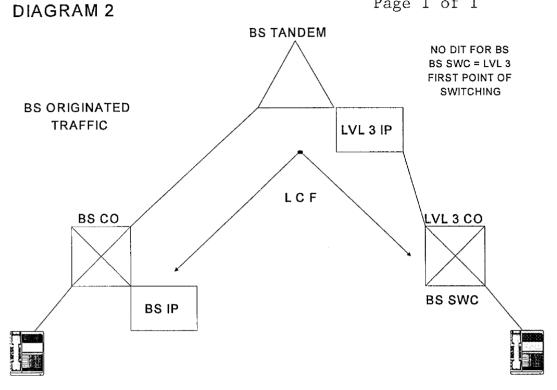
22 Q: DOES THIS CONCLUDE YOUR TESTIMONY?

23 A: Yes, it does.

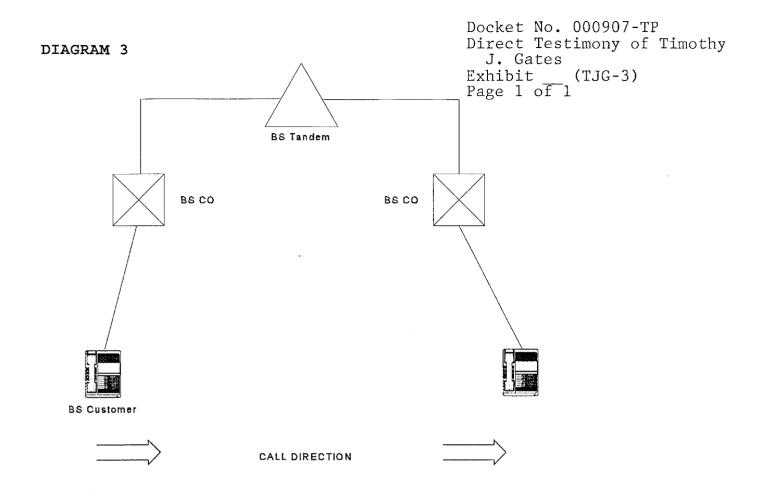
24

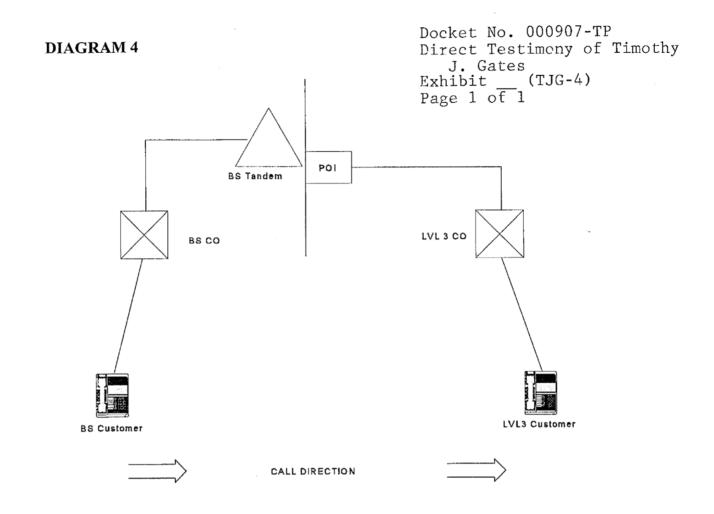


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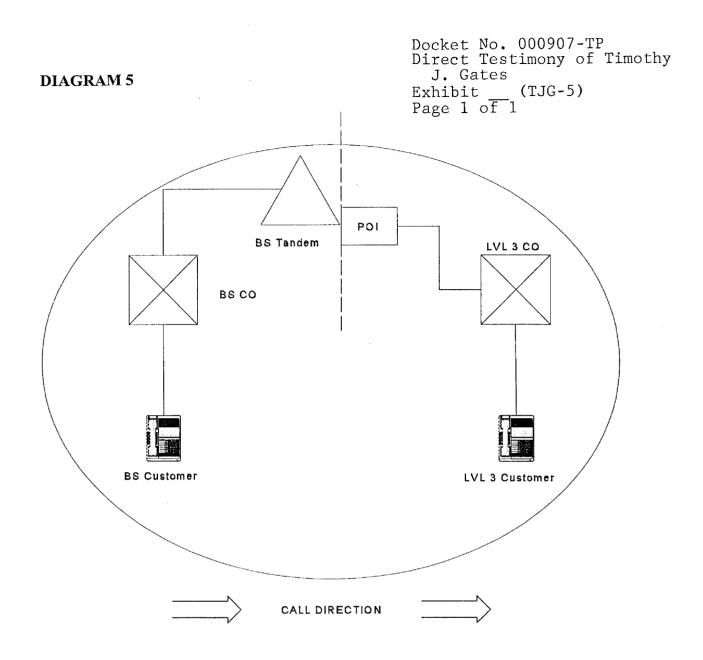


DIAGRAM 6

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