

TENNESSEE REGULATORY AUTHORITY

Sara Kyle, Chairman
Deborah Taylor Tate, Director
Pat Miller, Director
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Nashville, Tennessee 37243-0505

October 10, 2002

Marlene H. Dortch, Secretary
Office of the Secretary
Federal Communications Commission
445 12th Street, S.W.
Room TW-B204
Washington, D.C. 20554

In Re: *BellSouth Telecommunications, Inc 's Entry Into Long Distance
(InterLATA) Service in Tennessee Pursuant to Section 271 of the
Telecommunications Act of 1996; TRA Docket No. 97-00309*

Dear Ms. Dortch:

Enclosed is the Advisory Opinion of the Tennessee Regulatory Authority ("Authority") relating to BellSouth Telecommunication's Inc. application pursuant to 47 U.S.C. § 271 for authorization to provide in-region, interLATA service in Tennessee. The Authority recommends that the application be granted.

Sincerely,

Sara Kyle
Chairman

Deborah Taylor Tate
Director

Pat Miller
Director

BEFORE THE TENNESSEE REGULATORY AUTHORITY AT

NASHVILLE, TENNESSEE

February 23, 2001

IN RE:

PETITION OF BELL SOUTH TELECOMMUNICATIONS, INC.
TO CONVENE A CONTESTED CASE TO ESTABLISH
"PERMANENT PRICES" FOR INTERCONNECTION
AND UNBUNDLED NETWORK ELEMENTS

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DOCKET NO.
97-01262

FINAL ORDER

This matter came before the Tennessee Regulatory Authority ("Authority" or "TRA") at a regularly scheduled Authority Conference held on December 19, 2000, for final determination of the remaining issues in Phase Two of this docket, which are as follows: vertical features, new technology, collocation, expenses, work group activities, and fall-out rates used in the cost studies for certain unbundled network element combinations. This Order reflects the findings and rulings of the Authority at the December 19, 2000 Authority Conference and incorporates by reference the Authority's *Interim Order on Phase I of Proceeding to Establish Prices for Interconnection and Unbundled Network Elements* ("First Interim Order") issued on January 25, 1999; *Order Re: Petitions for Reconsideration and Clarification of Interim Order on Phase I* ("Order on Reconsideration") issued November 3, 1999; *Second Interim Order Re: Revised Cost Studies* ("Second Interim Order") issued on November 22, 2000; and *Third Interim Order Re: BellSouth's Revised Cost Studies* ("Third Interim Order") issued on January 4, 2001.

TRAVEL OF THE CASE

The purpose of this docket is to establish cost-based prices for interconnection and

unbundled network elements (“UNEs”). The Authority opened this docket as a contested case on July 15, 1997 upon the filing of a petition by BellSouth Telecommunications, Inc. (“BellSouth”) on June 23, 1997. BellSouth filed its petition as a result of the Authority adopting proxy prices for interconnection and UNEs in the arbitration proceedings between BellSouth and AT&T Communications of the South Central States, Inc. (TRA Docket No. 96-01152) and BellSouth and MCI Telecommunications Corporation (TRA Docket No. 96-01271). The parties to the arbitration proceedings were to use these proxy prices in the interim period prior to approval of cost-based interconnection and UNE prices.

The following entities have participated in this proceeding as Intervenor: AT&T Communications of the South Central States, Inc. (“AT&T”); Office of the Attorney General, Consumer Advocate Division; GTE Long Distance; MCI Telecommunications Corp.;¹ NEXTLINK Tennessee; Time Warner Communications of the Mid-South; United Telephone-Southeast; Sprint Communications Company, L.P.; WorldCom, Inc.;¹ LCI International Telecom Corp.; the Tennessee Municipal Telecommunications Group; Tennessee Cable Telecommunications Association (“TCTA”); American Communications Systems, Inc.; and Brooks Fiber Communications of Tennessee, Inc. The Authority also granted Intermedia Communications, Inc. limited participation in this proceeding pursuant to its petition.

This proceeding has been divided into two phases. In Phase I, the Authority determined the adjustments for each cost model presented. The Authority conducted hearings on the issues in Phase I on November 17-21 and 24, 1997 and February 23 and 25-27, 1998. The Directors of the Authority deliberated on the Phase I issues at a regularly scheduled Authority Conference held on June 30, 1998. The Authority issued its *First Interim Order* on January 25, 1999. In

¹ MCI Telecommunications, Corp. merged with WorldCom, Inc. in September of 1998 and subsequently appeared in this action as “MCI WorldCom.”

Phase II, the Authority is determining the prices for interconnection and UNEs based on the cost studies filed in compliance with the Authority's *First Interim Order*. The final prices are based on criteria specified by the Federal Telecommunications Act of 1996 ("the Act") and orders issued by the Federal Communications Commission ("FCC"), including FCC Order No. 96-325.²

Two models purporting to reflect Total Element Long Run Incremental Cost ("TELRIC") have been presented in this proceeding for calculating UNE prices: BellSouth's "TELRIC Calculator" model and the HAI ("Hatfield") model presented jointly by AT&T and MCI WorldCom. Although the specific methodologies and inputs differ, both models calculate the total investment required to provide the UNE and associated expenses related to that investment. The UNE investment includes the capitalized costs of the network facilities (e.g., cable, wire, poles, switches) plus materials and labor costs to install the facilities. Indirect investments such as allocation of land and building costs are added to the direct investment discussed above. Model inputs concerning fill factors, structure sharing, and available technologies drive the investment costs. Expenses, calculated as a percentage of the investment, are then applied to the investment amounts to arrive at the final estimates of UNE costs. Expenses include depreciation, maintenance expenses, administrative expenses, and a fair return on the investment. The Authority's decisions have adjusted both the investment and expense inputs.

The Authority's *First Interim Order* directed the parties to submit cost studies in compliance therewith. After issuance of the Authority's *First Interim Order*, on February 4, 1999, BellSouth and MCI WorldCom filed petitions requesting the Authority to reconsider and clarify specific issues. The parties filed the required cost studies on February 24, 1999. The

² *In re Implementation of the Local Competition Provisions in the Telecommunications Act of 1996*, FCC 96-325, CC Docket No. 95-185, 11 FCC Rcd. 15, 499 (Aug. 8, 1996) (First Report and Order) (hereinafter "*Local Competition Order*")

Authority deliberated on BellSouth's and MCI WorldCom's petitions at an Authority Conference on April 20, 1999 and modified some of its earlier decisions, as reflected in the *Order on Reconsideration*.

As a part of Phase Two and pursuant to the Authority's *First Interim Order* and *Order on Reconsideration*, BellSouth filed its revised TELRIC Calculator Model, and AT&T and MCI WorldCom filed their revised HAI Model 4.0 on December 1, 1999. On December 13, 1999, the Authority requested comments from the parties on the proposed revised cost studies reflecting the adjustments required by the *First Interim Order* and the *Order on Reconsideration*. On January 20, 2000, BellSouth, AT&T, MCI WorldCom, and TCTA filed their initial comments to the revised cost studies. The parties filed additional comments thereafter. According to certain comments filed by AT&T and MCI WorldCom, BellSouth did not comply with the orders of the TRA concerning four issues in this proceeding: (1) the deployment of Integrated Digital Loop Carrier ("IDLC") technology; (2) drop wire lengths; (3) Operational Support Systems ("OSS") recovery; and (4) vertical features. At a regularly scheduled Authority Conference held on April 25, 2000, the Authority deliberated on and issued its findings regarding the revised cost studies. Those findings are reflected in the Authority's *Second Interim Order*.

BellSouth filed its adjusted cost study on June 9, 2000. AT&T and TCTA filed comments regarding the cost study on June 26, 2000. In *AT&T's Comments on Revised BellSouth Cost Studies* ("*AT&T's First Comments*"), AT&T asserted that BellSouth's adjusted cost study failed to comply with the Authority's orders and directives concerning the following issues: (1) vertical features; (2) the requirement to incorporate into Tennessee cost studies any benefits of advances in technology reflected in cost studies filed by BellSouth in other states; (3) deaveraging methodology; and (4) the Authority's adoption of the AT&T/MCI WorldCom

collocation model. TCTA complained that it was difficult to determine whether BellSouth had accurately followed the Authority's directives because BellSouth's adjusted cost study had failed to reflect its own use of OSS Systems and BellSouth had failed to provide adequate documentation to support its inclusion of the cost for vertical features in the recurring rates for unbundled ports.

At the Authority Conference held on August 29, 2000, the Authority considered BellSouth's adjusted cost study and ordered BellSouth to "submit detailed studies showing all the adjustments that it made to comply with our April 25th ruling as it relates to vertical features."³ The Directors concluded that BellSouth failed to include in its June 2000 revised cost studies filed in Tennessee those technological advances available to it and reflected in BellSouth's cost studies filed in Georgia.⁴ The Authority ordered BellSouth to include new technology in its Tennessee cost study stating, "there were no reasons articulated for the lack of compliance with the April 25th directive in that regard."⁵ The Authority clarified that its adoption of BellSouth's cost model for UNE rates did not alter or modify its earlier decision to adopt the AT&T/MCI WorldCom collocation cost model.⁶ The action taken by the Authority at the August 29, 2000 Conference is reflected in the *Third Interim Order*.

REMAINING ISSUES IN PHASE TWO

On October 2, 2000, BellSouth filed a response ("*BellSouth's Response to the Authority*") to the instructions of the Authority that were provided at the August 29, 2000 Authority

³ Transcript of Authority Conference, Aug. 29, 2000, p. 8, lines 14-16. On April 25, 2000, at the regularly scheduled Authority Conference, the TRA adopted BellSouth's TELRIC Calculator Model for use in deriving permanent prices for UNEs in this proceeding and ordered BellSouth to make adjustments to the drop wire lengths, OSS costs, vertical features, technology advances, UNE combinations, and deaverage UNE prices using BellSouth's proposed methodology.

⁴ *Third Interim Order*, Jan. 4, 2001, p. 6.

⁵ Transcript of Authority Conference, Aug. 29, 2000, p. 8, lines 22-25, p. 9, line 1.

⁶ *Third Interim Order*, Jan. 4, 2001, p. 7.

Conference. In its October 2, 2000 filing, BellSouth raised questions concerning vertical features, new technology, collocation, and expenses in its TELRIC Calculator Model.

AT&T filed its additional comments to BellSouth's June 1, 2000 cost studies on October 2, 2000 ("*AT&T's Second Comments*"). In its comments on BellSouth's loop-transport combination studies, AT&T maintained "that the recurring rates proposed by BellSouth conform to earlier decisions by the Authority in this proceeding."⁷ Therefore, AT&T's concern as to this issue addresses only the non-recurring rates proposed by BellSouth for loop-transport combinations. AT&T also claimed that BellSouth uses "unnecessary workgroups and costs" and that BellSouth's 100% manual work assumption is inappropriate in a forward-looking cost study.⁸ On October 17, 2000, BellSouth filed its response to AT&T's comments.

Vertical Features

BellSouth maintains that it has implemented the specific adjustments ordered by the Authority in developing the cost of vertical features.⁹ BellSouth claims that, as directed by the Authority, it implemented a procedure involving four adjustments in order to calculate the cost of vertical features.¹⁰ According to BellSouth, the four adjustments "result in the development of the cost of switch ports by allocating an amount of processor investment."¹¹ BellSouth contends that "there are more costs associated with vertical features than simply processor usage" such as "specialized hardware and right-to-use-fees, the cost of which the Authority held should be

⁷ *AT&T's Second Comments*, Oct. 2, 2000, p. 1.

⁸ *Id.* at 2-3.

⁹ *See BellSouth's Response to the Authority*, Oct. 2, 2000, p. 1.

¹⁰ *See id.* at 2. BellSouth used the following procedure to calculate the cost of vertical features: (1) using the marginal mode of the Switching Cost Information System model ("SCIS") with no getting started or processor investment; (2) recalculating switch usage so that non-traffic sensitive investments are allocated to the switch ports; (3) adjusting the switch vendor discounts; (4) assuming the deployment of 70.38% Integrated Digital Loop Carrier and 29.62% analog terminations. *Id.*

¹¹ *Id.*

included in the cost ‘for a switch port that includes all features.’”¹²

AT&T argues that “it is inappropriate to include additional costs for vertical features in the price of switching since features are not usage sensitive; nearly all costs associated with features are included in the initial cost of purchasing a switch and are thus already reflected in the cost of the port.”¹³ AT&T requests that the Authority reject BellSouth’s proposed UNE port prices and adopt the basic port recurring prices which exclude the added feature costs.¹⁴

According to the FCC, the local switching capability network element is defined as “all features, functions, and capabilities of the switch, which include, . . . but not limited to custom calling, custom local area signaling service features, and Centrex, as well as any technically feasible customized routing functions provided by the switch.”¹⁵ The Authority correctly interpreted this rule and ordered that the cost of a switch port should include all features. Thus, when a competing local exchange carrier (“CLEC”) purchases the local switching element at cost-based rates as determined by the Authority, it is expecting to receive a switch port with all features included at one cost, rather than two separate costs as proposed by BellSouth.

In the *First Interim Order*, the Authority found that “none of the parties argued that a price for a switching port with all vertical features should not be established. Hence, the forward-looking cost of a switching port with all vertical features should be calculated.”¹⁶ The Authority also determined that “the price of the switched port shall include all features.”¹⁷ The Authority further ordered:

[BellSouth] shall amend its switched cost studies in the following manner: (1) use the output from the marginal mode SCIS/MO, (2) recalculate switched usage

¹² *Id.* (quoting *Order on Reconsideration*, Nov. 3, 1999, p. 44).

¹³ *AT&T’s First Comments*, June 26, 2000, p. 2.

¹⁴ *AT&T’s First Comments*, June 26, 2000, p. 4.

¹⁵ 47 C.F.R. § 51.319 (c)(1)(iii).; see also *Local Competition Order*, ¶ 413.

¹⁶ *First Interim Order*, Jan. 25, 1999, p. 24.

¹⁷ *Id.* at 39.

charges per minute of use using the following formula: Total switched investments, less nontraffic sensitive line termination and getting started investments, divided by minutes equivalent of busy hours CCS; (3) change vendor discounts used as inputs in the [BellSouth] switched cost studies to the percentages given on line 6, page 19 of Ms. Petzinger's pre-filed rebuttal testimony; and (4) assume 70.38% IDLC and 29.62% analog line terminations in calculating switching port costs. Additionally, the price of the switched port shall include all features with no additional charges, specifically no "glue" charges.¹⁸

In its *Order on Reconsideration*, the Authority clarified that "BellSouth should include feature-specific costs (e.g., the costs of specialized hardware, right-to-use fees, and the costs of administrative provisioning time associated with vertical features) in its TELRIC estimates for a switch port that includes all features and BellSouth shall not recover non-traffic sensitive feature-specific costs through per minute usage charges."¹⁹

Finally, in its *Second Interim Order*, consistent with its previous decisions concerning vertical features, the Authority stated:

[u]nder the Authority's Orders, the cost of the vertical features must be built into the costs of the unbundled switch port element. Permitting BellSouth to include separate charges for vertical features may allow a double-recovery of its costs for vertical features. BellSouth should adjust its cost studies by removing the separate charges for vertical features, such that a switch port includes all features.²⁰

Therefore, according to the FCC and the Authority, when a CLEC orders a switch port at a cost-based rate, it is entitled to receive the vertical features of the switch as part of that cost.

It is obvious from a review of the Authority's *First Interim Order*, *Order on Reconsideration*, and *Second Interim Order* that the Authority has established consistent and unambiguous directives on this matter. BellSouth has repeatedly failed to comply with these directives.

After reviewing the record, the Authority finds that on December 1, 1999, in

¹⁸ *First Interim Order*, Jan. 25, 1999, pp. 39-40.

¹⁹ *Order on Reconsideration*, Nov. 3, 1999, p. 44.

²⁰ *Second Interim Order*, Nov. 22, 2000, p. 9.

contravention to its orders, BellSouth included separate charges for vertical features in addition to the recurring charge for the switch port. Further, during a regularly scheduled Authority Conference on April 25, 2000, the Authority ordered BellSouth to remove the separate charges for vertical features from its cost studies. On June 9, 2000, BellSouth filed “compliant” cost studies in response to the Authority’s directives. Nevertheless, instead of adjusting the cost of unbundled local exchange ports and including vertical features such that the cost of a switch port include all features, BellSouth “summed the applicable features and added this sum to the appropriate port.”²¹ This clearly violates the Authority’s repeated directives that vertical feature costs be built into the costs of the switch port to avoid double-counting any costs associated with these features and/or the switch itself.

The Authority concludes that BellSouth has continually failed to comply with the Authority’s orders on this issue and has failed to demonstrate that BellSouth’s proposed vertical feature costs are reasonable. Thus, consistent with its previous orders, the Authority determines that rates for all vertical features proposed by BellSouth be set at \$0.00. Consequently, the basic switch port UNE shall include all vertical features at the rates for switch ports proposed in BellSouth’s December 1, 1999 cost studies.

New Technology

BellSouth claims that “incorporating ‘new technology’ into [its] studies cannot reasonably be implemented without starting the cost modeling process completely anew.”²² BellSouth states that the Authority rejected AT&T’s argument that BellSouth should assume that all DLC loops are served by IDLC using GR303 instead of TR008 technology. BellSouth

²¹ *BellSouth’s Responses to the Authority’s Data Request*, Aug. 1, 2000, Item No. 3, p. 2 (filed as proprietary); see also *BellSouth’s Cost Studies*, June 9, 2000, p. vi.

²² *BellSouth’s Response to the Authority*, Oct. 2, 2000, p. 5.

maintains that the only “new technology” it presented in other states “is through its new BellSouth Telecommunications Loop Model[®] (or “BSTLM”), which has been filed in Florida and Louisiana and will soon be filed in Alabama and Kentucky.”²³ BellSouth maintains that the BSTLM is the “next generation” loop model and encompasses the latest technology, including “the deployment of GR303 IDLC systems.”²⁴ Finally, BellSouth also argues that the filing of a new cost model would require restarting the rate-making process.²⁵ BellSouth claims that it did not believe this was the TRA’s intent at this late stage of this proceeding because the Authority is close to adopting “just and reasonable rates” as required by the Act.

In the *First Interim Order*, the Authority ordered that “prices should be established using the forward-looking economic cost methodology as defined by the FCC’s TELRIC methodology.”²⁶ The Authority later found that this directive, as restated in the Authority’s *Second Interim Order*,

places a fiduciary responsibility on all parties, CLEC and ILEC alike, to ensure that the methodology adopted is populated only with those costs that reflect the least cost and most efficient technology. To the extent that BellSouth presents new technology in other venues, it has, as articulated in the First Interim Order, a responsibility to include that technology in cost studies filed in Tennessee.²⁷

The Authority finds that as telecommunications technology improves, the direct and indirect costs of maintaining the telephone network may continue to decline over time. At the same time, ILECs and CLECs should continue to adjust their operations in a manner consistent with advances in technology, leading to less and less manual-related costs and more automation-related costs. Over time, telecommunications network expenses should decrease. The Authority

²³ *Id.* at 5.

²⁴ *Id.*

²⁵ *Id.* at 6.

²⁶ *First Interim Order*, Jan. 25, 1999, p.8.

²⁷ *Second Interim Order*, Nov. 22, 2000, p. 10.

does not find support for BellSouth's assertion that new technology cannot be incorporated into its studies without beginning anew the cost modeling process. The Authority finds that BellSouth can adjust its inputs, work times, fallout, and split between electronic and manual processing without completely starting the modeling process anew. Nevertheless, because the Authority finds that the process of incorporating technology advances may be cumbersome and delay establishing permanent prices for unbundled network elements, the Authority determines to convene a new generic proceeding to consider technology advances and geographic deaveraging.

Collocation

BellSouth states that even though the Authority's August 29, 2000 decision upheld the use of the AT&T/MCI WorldCom Collocation Model, the Authority should take notice of the inadequacies in that model. Specifically, BellSouth asserts that "the AT&T/MCI WorldCom Collocation Model does not generate costs for all the work necessary to provide collocation and, in any event, cannot be reconciled with the recent decision of the United States Court of Appeals for the Eighth Circuit."²⁸ AT&T argues that the Authority has adopted the AT&T/MCI WorldCom collocation cost model and that the Authority's decision to adopt BellSouth's cost studies was not a decision to reconsider its earlier determination adopting the AT&T/MCI WorldCom collocation cost model.²⁹

The Act requires ILECs

to provide, on rates, terms, and conditions that are just, reasonable, and nondiscriminatory, for physical collocation of equipment necessary for interconnection or access to unbundled network elements at the premises of the local exchange carrier, except that the carrier may provide for virtual collocation if the local exchange carrier demonstrates to the State commission that physical

²⁸ *BellSouth's Response to the Authority*, Oct. 2, 2000, p. 7.

²⁹ *AT&T's First Comments*, June 26, 2000, p. 9.

collocation is not practical for technical reasons or because of space limitations.³⁰

The FCC also has rules which are applicable to all collocation arrangements under Section 256(c)(6) of the Act and which “require incumbent LECs to make available to requesting competitive LECs additional forms of collocation known as shared and cageless collocation arrangements.”³¹

In the Authority’s *First Interim Order*, the Authority adopted the AT&T and MCI WorldCom collocation approach for calculating the rates for physical collocation.³² Further, the Authority’s decision on August 29, 2000, as reflected in the *Third Interim Order*, confirmed that the Authority’s adoption of BellSouth’s cost model for UNE rates did not modify its earlier decision to use the AT&T/MCI WorldCom model for collocation.³³ The AT&T/MCI WorldCom Collocation Model only addressed physical collocation. BellSouth’s cost studies include rates for virtual collocation elements, but no rates are presented for cageless collocation elements. No party in this proceeding has challenged BellSouth’s rates for virtual collocation. Therefore, based on the record before it, the Authority finds that the rates proposed by BellSouth for virtual collocation elements are acceptable. Because no parties have requested adjustments in this proceeding, the Authority will take no further action on the issue of collocation.

Expenses

BellSouth asserts that “double reductions” in expenses were imposed by the adjustments

³⁰ 47 U.S.C. § 251(c)(6).

³¹ *In re Deployment of Wireline Services Offering Advanced Telecommunications Capability*, CC Docket No. 98-147 and *Implementation of the Local Competition Provisions of the Telecommunications Act*, CC Docket No. 96-98, FCC 00-297, 15 FCC Rcd. 17,806, ¶ 12 (Aug. 10, 2000) (Order on Reconsideration and Second Further Notice of Proposed Rulemaking in CC Docket No. 98-147 and Fifth Further Notice of Proposed Rulemaking in CC Docket No. 96-98); see also 47 C.F.R. § 51.321-323.

³² *First Interim Order*, Jan. 25, 1999, p. 41.

³³ Transcript of Authority Conference, Aug. 29, 2000, p. 9. The Authority believes that by this decision, the Directors confirmed their earlier order adopting AT&T and MCI WorldCom collocation model for calculating the rates for physical collocation.

that the TRA ordered to the TELRIC Calculator Model expense factors. BellSouth claims that (1) adjustments reducing BellSouth's total investment (i.e., modifying the fill factors, drop length, residence/business split, and pole loadings) produced the unintended consequences of reducing BellSouth's expenses; and (2) reductions of BellSouth's shared and common costs resulted in yet another reduction of its expenses. The end result is that "double reductions" in expenses inadvertently forces BellSouth to under-recover its expenses.³⁴ In addition, BellSouth claims that the Authority's modifications to BellSouth's investments have distorted the relationship between expenses and investment "such that the expenses generated by BellSouth's cost model cannot accurately reflect the expense BellSouth will incur on a going-forward basis."³⁵

This issue was first presented to the Authority by BellSouth in its filing of the last portion of its compliant cost studies on June 9, 2000. Throughout this proceeding, BellSouth was given the opportunity to defend its position and inputs during the hearings, motions for clarification and/or reconsideration, data requests, etc. The issue of "double reductions" was never raised before. After carefully considering the positions of the parties, the Authority finds that no further adjustments are necessary based on the following analyses:

1. Fill/Utilization Factors

After reconsideration and based on ARMIS data for BellSouth, the Authority adopted the fill/utilization factors (i.e., 50.2% for distribution feeder, 65.1% for copper feeder, and 74.0% for fiber feeder) as proposed by BellSouth for use in its TELRIC Calculator Model.³⁶ BellSouth

³⁴ *BellSouth's Response to Authority*, Oct. 2, 2000, p. 10.

³⁵ *Id.* at 13.

³⁶ *Order on Reconsideration*, Nov. 3, 1999, p. 10.

presented no alternative fill and utilization factors; neither did the other parties in this proceeding.

2. Drop Lengths

BellSouth assumed in its initial cost studies that the drop wire material is based on a state-specific estimate of average distance of 300 foot buried and 250 foot aerial. The Authority rejected BellSouth's approach and adopted AT&T's proposed drop length of 100 feet based on the 73 foot national average calculated in a BellCore study.³⁷ The Authority was guided by the forward-looking and most-efficient and least-cost principle. The Authority finds that an increase in drop lengths would produce an unreasonably and unjustly higher cost of the loop and is unwarranted. BellSouth has provided no evidence to suggest otherwise.

3. Residence /Business Split

BellSouth initially proposed that the residence and business weighting of loops used in the TELRIC Calculator Model should be 79.99% for residence and 20.01% for business.³⁸ The Authority ordered first the use of 69.22% and 30.78% split as proposed by TCTA, but after reconsideration, the Authority ordered the 62.89% residence and 37.11% business split.³⁹ The Authority arrived at this conclusion based on the loop weightings reflected in the 1996 ARMIS data, which also included non-switched lines. Relying on BellSouth's Annual Reports from 1996 to 1999 and using the same methodology adopted by the Authority in the *Order on Reconsideration*,⁴⁰ the Authority finds that from 1996 to 1999 the percentage of residential lines in BellSouth's network declined on average, while BellSouth originally proposed a higher weight for residential lines. Any increase in the residential lines at this time would likely

³⁷ *First Interim Order*, Jan. 25, 1999, p. 19. The Bellcore study was a national study conducted in 1983-1985.

³⁸ See TELRIC Calculator Model 1.2 and BellSouth Default Values.

³⁹ *Order on Reconsideration*, Nov. 3, 1999, p. 11.

⁴⁰ *Id.* at p. 21-22.

increase TELRIC costs, is inconsistent with the goals of the Act, and is not warranted by any new evidence submitted by BellSouth.

4. Shared and Common Costs

In its *First Interim Order*, the Authority found that BellSouth's shared and common cost adjustments "are based on current market conditions and, despite the forward-looking adjustments, do not appear to be representative of a competitive marketplace. In addition, they are calculated separately from the BellSouth's TELRIC Calculator and are not easily verifiable."⁴¹

BellSouth claims that an increase in shared costs reduces the actual investment, which in turn reduces the expenses, because the ratio of expenses to investment is fixed to a certain level. BellSouth also argues that an increase in the number of parties sharing the same facilities actually increases maintenance costs. BellSouth, however, did not sufficiently explain with specificity how these effects are manifested in its cost model.

The Authority finds that the adjustments previously ordered are supported by a careful review of the entire record in this proceeding and should not be modified.

Workgroups Activities

In *AT&T's Second Comments*, AT&T acknowledges that BellSouth conformed to the Authority's decisions in this proceeding concerning recurring rates but maintains its concern with the non-recurring rates proposed by BellSouth for loop-transport combinations.⁴² According to AT&T,

[T]he non-recurring cost studies also should reflect forward-looking assumptions and competitive efficiencies, such as direct access to BellSouth's OSS and minimal or no manual activities. Moreover, BellSouth's non-recurring cost studies should not reflect the imposition of workgroups or activities upon CLECs

⁴¹ *First Interim Order*, Jan. 25, 1999, p. 10.

⁴² *AT&T's Second Comments*, Oct. 2, 2000, p. 1.

that BellSouth does not use in its own retail operations. Activities associated with manual assistance due to errors in the network management systems and databases do not benefit customers and are unnecessary in a forward-looking environment.”⁴³

AT&T makes specific reference to Local Customer Service Center (“LCSC”) and the UNE Center (“UNEC”)/Access Customer Advocate Center (“ACAC”) as workgroups.

AT&T adjusted BellSouth’s non-recurring cost studies by: (1) eliminating all non-recurring costs that have no justification in a forward-looking network architecture and efficient provisioning process (LCSC and UNEC/ACAC) and (2) assuming 10% manual work on the orders for loop-transport combinations (fall-out rates for work centers) rather than 100% manual work.⁴⁴ AT&T requested that the Authority adopt AT&T’s adjusted rates for loop transport combinations rather than the rates proposed by BellSouth.

BellSouth claims that it “identified the one-time work activities that are typically associated with installing or disconnecting combinations of the loop and interoffice transport unbundled network elements.”⁴⁵ BellSouth “defined work functions, established work flows, and determined work times”⁴⁶ and using the methodology established in this proceeding, “developed directly assigned labor costs and accumulated work function costs to determine the total non-recurring costs for those elements.”⁴⁷

In addition, BellSouth contends it is justified in being compensated for these costs and that “AT&T ignores that BellSouth, acting as a wholesale provider of network elements, must also have work processes in place to ensure that CLECs, including AT&T, obtain services in a

⁴³ *Id.* at 2.

⁴⁴ *Id.* at 2-3.

⁴⁵ *BellSouth’s Response to AT&T’s Comments*, Oct. 17, 2000, p. 1.

⁴⁶ *Id.* at 1.

⁴⁷ *Id.* at 1-2.

manner consistent with the Telecommunications Act of 1996.”⁴⁸ BellSouth concludes that the Authority should reject AT&T’s proposed rates, because AT&T made undefined adjustments to BellSouth’s proposed work times and presented no credible basis for adjusting BellSouth’s proposed non-recurring rates.

Notwithstanding BellSouth’s assertion, the Authority finds that BellSouth’s cost study presented in this proceeding contains hundreds of inputs, activities, and work times which are not supported by documented evidence. Although AT&T claims that the workgroups, the LCSC, and the UNEC/ACAC are unnecessary, the Authority finds that AT&T could have contested the use of these workgroups from the beginning of this proceeding and, like BellSouth, AT&T was given such opportunity throughout these proceedings. Nevertheless, AT&T did not raise this issue until October 2, 2000. In addition, an AT&T witness in the Florida Public Service Commission Docket No. 990649-TP proceeding has indicated that some of the work centers are in fact necessary. While the presence of many go-between work centers in a process likely to be wholly automated may become obsolete over time, the Authority finds that the removal of these workgroups from the cost studies at this time may be premature. The Authority reserves the right to inquire into this issue further, as warranted with the passage of time, either on its own motion or on the motion of another party.

Fall-Out Rates

In its *First Interim Order*, the Authority adopted a fallout rate of 7% for the TELRIC Calculator Model.⁴⁹ The Authority determined that this rate was within the range proposed by the parties. Indeed, BellSouth estimated a 20% fallout rate for CLEC orders from the Electronic Interface, based on actual experience with electronic ordering, and AT&T’s Non Recurring Cost

⁴⁸ *Id.* at 4.

⁴⁹ *First Interim Order*, Jan. 25, 1999, p. 40.

Model assumed a fallout rate of 2% (or a 98% flow through). The reasoning of the Authority was that, over time, certain advances in OSS will replace manual work activities with automated activities, thereby reducing the level of fallout. Therefore, Local Customer Service Center, Work Management Center, and Access Customer Advocate Center should reflect a 7% fallout rate.

In addition, the Authority ordered BellSouth to modify its non-recurring cost model to reflect only 3 minutes of work activity per order at the LCSC when an order falls out.⁵⁰ Further, the Authority clarified that BellSouth should adjust its cost model to reflect 15 minutes of work time to resolve a fallout situation that will occur 7% of the time.

In an automated world using efficient and forward-looking OSS, most of the manual tasks are progressively replaced by mechanized tasks. The telecommunications network has seen and continues to see increased automation in network maintenance and telecommunication services. According to BellSouth, AT&T's recommendation to adjust BellSouth's fallout rate from 100% to 10% should not be accepted because the activities performed are 100% manual work and there is no alternative electronic order available. The Authority denies AT&T's request to change the manual work assumption from 100% to 10% and rejects AT&T's proposed non-recurring rates for unbundled loop combinations.

THE FILING OF TARIFFS

At the December 19, 2000 Authority Conference, the Directors unanimously adopted the above-stated findings and ordered BellSouth to file compliant tariffs. To ensure that cost based UNE rates are generally available to all CLECs on a nondiscriminatory basis as required by the

⁵⁰ *Id.* at 33. The three minutes per order was based on a calculation using the 20% fallout rate proposed by BellSouth multiplied by fifteen (15) minutes of work activity (20% x 15 minutes = 3 minutes of work time required). See *Order on Reconsideration*, p. 36.

Act, the Authority has ordered BellSouth to file tariffs containing the UNE rates approved in this docket as well as the terms and conditions applicable to each UNE.⁵¹ At the December 19, 2000 Authority Conference, the Authority ordered BellSouth to file these tariffs within thirty (30) days of the filing of the transcript of the December 19, 2000 Conference. These tariffs shall reflect the rates included in BellSouth's cost study filed on December 1, 1999 and the rates for combinations filed on June 9, 2000. Further, these tariffs shall reflect the rates for physical collocation using the AT&T/MCI WorldCom collocation model as adopted by the Authority on January 25, 1999. Finally, these tariffs shall reflect the geographically deaveraged rates in three (3) zones as previously ordered by the Authority. BellSouth was ordered to follow the format set forth in Exhibit A, attached to this Order. The Authority provided copies of Exhibit A to the parties during the December 19, 2000 Authority Conference.

Such tariffs will provide a price list for all CLECs showing the cost-based UNE rates in Tennessee. These price lists however, do not preclude parties from negotiating UNE rates different from those in the tariffs. The tariffs simply provide parties with the opportunity to adopt UNE rates established in a contested case proceeding that are consistent with the pricing standards of the Act. In addition, TRA rules require utilities to file tariffs for "each class of service rendered" and that "[r]ules and regulations of the utility that in any manner affects the

⁵¹ 47 USC § 252(d)(1) states that:

(d) PRICING STANDARDS- (1) INTERCONNECTION AND NETWORK ELEMENT CHARGES- Determinations by a State commission of the just and reasonable rate for the interconnection of facilities and equipment for purposes of subsection (c)(2) of section 251, and the just and reasonable rate for network elements for purposes of subsection

(c)(3) of such section—

(A) shall be—

(i) based on the cost (determined without reference to a rate-of-return or other rate-based proceeding) of providing the interconnection or network element (whichever is applicable), and

(ii) nondiscriminatory, and

(B) may include a reasonable profit.

rates charged or to be charged or that define the extent or character of the service to be included with each tariff.”⁵²

IT IS THEREFORE ORDERED THAT:

1. Recurring and non-recurring rates for all vertical features proposed by BellSouth are set to \$0.00 and are included in the switch port. The rates for a basic switch port, which include all vertical features, shall be the same rate proposed in BellSouth’s December 1, 1999 cost studies.

2. The Authority will convene a new generic proceeding to consider technology advances and geographic deaveraging.

3. The rates proposed by BellSouth for virtual collocation elements are adopted. There will be no further action on this issue.

4. Removal of workgroups from the cost studies is unwarranted at this time, and the Authority reserves the right to investigate this issue further if necessary.

5. AT&T’s requests to change the manual work assumption from one hundred percent (100%) to ten percent (10%) and the proposed non-recurring rates for unbundled loop combinations are denied.

6. BellSouth shall file, within thirty (30) days of the filing of the transcript of the December 19, 2000 Authority Conference, tariffs containing the UNE rates approved by the Authority in this docket as well as the terms and conditions applicable to each UNE. These tariffs shall reflect the rates included in BellSouth’s cost studies filed on December 1, 1999, and the rates for combinations filed on June 9, 2000. Further, these tariffs shall reflect the rates for physical collocation using the AT&T and MCI collocation model as adopted by the Authority on

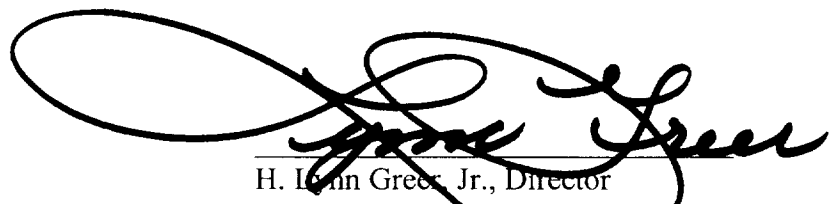
⁵² TRA Rule 1220-4-1-.03 (Revised Dec. 1984).

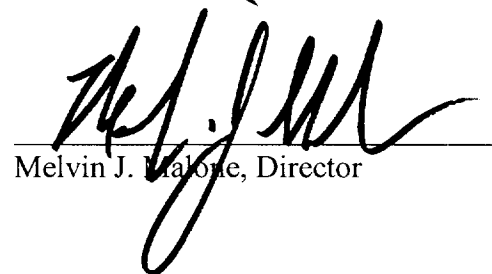
January 25, 1999. Finally, these tariffs shall reflect the geographically deaveraged rates in three (3) zones as previously ordered by the Authority. BellSouth should follow the format in the attached **Exhibit A**⁵³ in presenting these rates.

7. Any party aggrieved by this Order may file a Petition for Reconsideration pursuant to Tenn. Code Ann. § 4-5-317 with the Tennessee Regulatory Authority within fifteen (15) days of the entry of this Order; and

8. Any party aggrieved by the decision of the Tennessee Regulatory Authority may file a Petition for Review with the Tennessee Court of Appeals, Middle Division, within sixty (60) day of the date of entry of this Order.


Sara Kyle, Chairman


H. Iwan Greer, Jr., Director


Melvin J. Malone, Director

ATTEST:


K. David Waddell, Executive Secretary

⁵³ The Authority distributed copies of **Exhibit A** to the parties during the December 19, 2000 Authority Conference.

EXHIBIT A

Docket No. 97-01262

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.0	Unbundled local loop						
A.1	2-Wire Analog Voice Grade Loop (2-WAVGL)						
A.1.1	2-WAVGL- Service level 1						
	Zone 1						
	Zone 2						
	Zone 3						
A.1.2	2-WAVGL- Service level 2						
	Zone 1						
	Zone 2						
	Zone 3						
A.1.3	2-WAVGL-SL 1-Manual Order Coordination						
A.1.4	2-WAVGL-SL 1-Order Coordination for Specified Conversion Time						
A.1.5	2-WAVGL-SL 2-Order Coordination for Specified Conversion Time						
A.2	Sub-Loop 2-wire analog						
A.2.1	Loop feeder per 2-WVGL						
A.2.2	Loop distribution - per 2-WAVGL						
A.2.3	Loop concentration- Channelization System (Outside C.O.)						
A.2.4	Loop concentration-Remote terminal Cabinet (Outside CO)						
A.2.5	Loop concentration-Remote Channel Interface -2-WAVGL (Outside CO)						
A.2.6	NID per 2-WAVGL						
A.2.7	LC-Channelization System-Incremental Cost-Manual Svc Order vs Electronic						
A.2.8	Sub-Loop Feeder-Order Coordination for Specified Conversion Time						
A.2.9	Sub-Loop Distribution-Order Coordination for Specified Conversion Time						
A.3	Loop Channelization and CO Interface (Inside CO)						
A.3.1	Loop Channelization System - DLC						
A.3.2	CO Channel Interface - 2-Wire Voice Grade						
A.3.3	LC-Channelization System-Incremental Cost-Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.4	4-Wire Analog Voice Grade Loop						
A.4.1	4-wire analog voice grade loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.4.2	NID per 4-wire analog voice grade loop						
A.4.3	4-WAVGL-Order Coordination for Specified Conversion Time						
A.5	2-Wire ISDN Digital Grade Loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.5.1	2-wire ISDN Digital Grade Loop						
A.5.2	NID per 2-Wire ISDN Digital Grade Loop						
A.5.3	2-Wire ISDN Digital Grade Loop-Order Coordination for Specified Conversion Time						
A.6	2-wire asymmetrical digital subscriber line (ADSL) compatible loop						
A.6.1	2-wire ADSL compatible loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.6.2	NID per 2-wire ADSL loop						
A.6.3	2-Wire ADSL Digital Grade Loop-Order Coordination for Specified Conversion Time						
A.7	2-wire high bit rate DSL compatible loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.7.1	2-wire HDSL compatible loop						
A.7.2	NID per 2-wire HDSL loop						
A.7.3	2-Wire HDSL Loop-Order Coordination for Specified Conversion Time						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.8	4-wire HDSL compatible loop						
A.8.1	4-wire HDSL compatible loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.8.2	NID per 4-wire HDSL loop						
A.8.3	4-Wire HDSL Loop-Order Coordination for Specified Conversion Time						
A.9	4-wire DS1 Digital Loop						
A.9.1	4-wire DS1 Digital Loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.9.2	4-Wire DS1 Loop - Incremental Cost - Manual Svc Order vs Electronic						
A.9.3	4-Wire DS1 Loop-Order Coordination for Specified Conversion Time						
A.10	4-wire 56 or 64 KBPS Digital Grade Loop						
A.10.1	4-wire 56 or 64 KBPS Digital Grade Loop						
	Zone 1						
	Zone 2						
	Zone 3						
A.10.2	NID per 4-wire 56 or 64 KBPS Digital Grade Loop						
A.10.3	4-Wire 56/64 Kbps Dig. Gl-Order Coordination for Specified Conversion Time						
A.11	Unbundled Loops-Incremental Cost-Manual Svc vs Electronic						
A.11.1	Unbundled 2-Wire Loops-Incremental Cost-Manual Svc vs Electronic						
A.11.2	Unbundled 4-Wire Loops (excluding DS1)-Incremental Cost-Manual vs Electronic						
A.11.3	NID per 2-Wire Loops- Manual Svc Order vs Electronic						
A.11.4	NID per 4-Wire Loops- Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.18	MULTIPLEXERS						
A.18.1	Channelization - Channel System DS1 to DS0						
A.18.2	Interface Unit - Interface DS1 to DS0 - OCU - DP Card						
A.18.3	Interface Unit - Interface DS1 to DS0 - Brite Card						
A.18.4	Interface Unit - Interface DS1 to DS0 - Voice Grade Card						
A.18.5	Channelization - Channel System DS3 to DS1						
A.18.6	Interface Unit - Interface DS3 to DS1						
A.18.10	Channelization - Channel System DS1 to DS0 - Incremental Cost - Manual Service Order vs. Electronic						
A.18.11	Channelization - Channel System DS3 to DS1 - Incremental Cost - Manual Service Order vs. Electronic						
B.0	UNBUNDLED LOCAL EXCHANGE AND FEATURES						
	Exchange Ports (EP)						
B.1	Exchange Ports (Including all Applicable Features)						
B.1.1	Exchange ports - 2-wire Analog Line Port (Res., Bus.)						
B.1.2	Exchange ports - 4-wire Analog Voice Grade Port						
B.1.3	Exchange ports - 2-wire DID Port						
B.1.4	Exchange ports - 4-wire DID Port						
B.1.5	Exchange ports - 2-wire ISDN Port						
B.1.6	Exchange ports - 4-wire ISDN DS1 Port						
B.1.7	Exchange ports - 2-wire Analog Line Port (PBX)						
B.1.8	Exchange ports - Coin Port						
B.1.9	EP-2-Wire Analog Line Port (Res., Bus.)-Incremental Cost-Manual vs Electronic						
B.1.10	EP-4-WAVG Port-Incremental Cost-Manual Svc Order vs Electronic						
B.1.11	EP-2-Wire DID Port-Incremental Cost-Manual Svc Order vs Electronic						
B.1.12	EP-4-Wire DID Port-Incremental Cost-Manual Svc Order vs Electronic						
B.1.13	EP-2-Wire ISDN Port-Incremental Cost-Manual Svc Order vs Electronic						
B.1.14	EP-4-Wire ISDN DS1 Port-Incremental Cost-Manual Svc Order vs Electronic						
B.1.15	EP-2-Wire Analog Line Port (PBX)-Incremental Cost-Manual Svc Order vs Electronic						
B.1.16	Exchange ports - Coin Port-Incremental Cost-Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
C.0	UNBUNDLED SWITCHING AND LOCAL INTERCONNECTION						
C.1	Local switching						
C.1.1	End office switching function						
C.1.2	End Office Interoffice Trunk Port - Shared, per MOU						
C.2	Tandem switching						
C.2.1	Tandem switching function						
C.2.2	Tandem Interoffice Trunk Port - Shared, per MOU						
D.0	UNBUNDLED TRANSPORT AND LOCAL INTERCONNECTION						
D.1	Common Transport						
D.1.1	Common transport - per mile, per MOU						
D.1.2	Common Transport - Facilities Termination per MOU						
D.2	Interoffice Transport - Dedicated - Voice Grade						
D.2.1	Interoffice Transport - Dedicated - Voice Grade						
D.2.2	Interoffice Transport-Dedicated - 2-wire voice grade-per mile						
D.2.3	Interoffice Transport-Voice Grade-Incremental Cost-Manual Order vs Electronic						
D.3	Interoffice Transport - Dedicated-DSO-56/64 KBPS						
D.3.1	Interoffice Transport - Dedicated - DSO - per mile						
D.3.2	Interoffice Transport-Dedicated-DSO-Facility Termination						
D.3.3	Interoffice Transport-DSO-Incremental Cost-Manual Svc Order vs Electronic						
D.4	Interoffice Transport - Dedicated - DS1						
D.4.1	Interoffice Transport - Dedicated - DS1 - per mile						
D.4.2	Interoffice Transport-Dedicated-DS1-Facility Termination						
D.4.3	Interoffice Transport-DS1-Incremental Cost-Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
D.5	Local Channel (LC) - Dedicated						
D.5.1	Local Channel - Dedicated - 2-wire voice grade						
D.5.2	Local Channel - Dedicated - 4-wire voice grade						
D.5.3	Local Channel - Dedicated - DS1						
D.5.4	LC-Dedicated-2-Wire Voice Grade-Incremental Cost-Manual Sc Order vs Electronic						
D.5.5	LC-Dedicated-4-Wire Voice Grade-Incremental Cost-Manual Sc Order vs Electronic						
D.5.6	LC-Dedicated-DS1-Incremental Cost-Manual Svc Order vs Electronic						
E.0	Signaling Network, Data Bases, & Svc. Mngt Sys.						
E.1	800 Access Ten Digit Screening						
E.1.1	800 Access Ten digit screening (800 ATDS), per call						
E.1.2	800 Access Ten digit screening, Reservation Charge per 800 Number Reserved						
E.1.3	800 Access Ten digit screening, Per 800 # Established W/O POTS Translations						
E.1.4	800 Access Ten digit screening, Per 800 # Established With POTS Translations						
E.1.5	800 Access Ten digit screening, Customized Area of Service Per 800 Number						
E.1.6	800 ATDS, Multiple InterLATA CXR Routing Per CXR Requested Per 800 #						
E.1.7	800 Access Ten digit screening, Change Charge Per Request						
E.1.8	800 Access Ten digit screening, Call Handling and Destination Features						
E.1.9	800 ATDS, Resrv Chng Per 800 # Reserved-Incrm Cost-Manual Svc Order vs Electr						
E.1.10	800 ATDS, Per 800 # Est'd w/o POTS Transl-Incrm Cost-Manual Svc Order vs Electr						
E.1.11	800 ATDS, Per 800 # Est'd w/ POTS Transl-Incrm Cost-Manual Svc Order vs Electr						
E.1.12	800 ATDS, Chng Chrg/Request-Incrm Cost-Manual Svc Order vs Electr						
E.2	Line Information Data Base Access (LIDB)						
E.2.1	LIDB Common Transport per Query						
E.2.2	LIDB Validation per Query						
E.2.3	LIDB Originating Point Code Establishment or Change						
E.2.4	LIDB-Incremental Cost-Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
E.3	CCS7 Signaling Transport						
E.3.1	CCS7 Signaling Connection, per 56kpbs facility						
E.3.2	CCS7 Signaling Termination, per STP Port						
E.3.3	CCS7 Signaling Usage, per call setup message						
E.3.4	CCS7 Signaling Usage, per TCAP Message						
E.3.5	CCS7 Signaling Usage Surrogate, per 56kpbs facility, per LATA per month						
E.3.6	CCS7-Incremental Cost-Manual Svc Order vs Electronic						
F.0	OPERATIONAL SUPPORT SYSTEMS						
F.1.	Operational Support Systems						
F.1.1	OSS Electronic Interface						
F.1.2	OSS OLEC Daily Usage File: Recording, per message						
F.1.3	OSS OLEC Daily Usage File: Message distribution, per message						
F.1.4	OSS OLEC Daily Usage File: Message Distribution, per magnetic tape provisioned						
F.1.5	OSS OLEC Daily Usage File: Data Transmission (Connect: Direct), per message						
G.0	OPERATOR SVC AND DIRECTORY ASSISTANCE						
G.1	Operator Call Processing (OCP)						
G.1.1	OCP - Op. Provided cost per min - using BST LIDB						
G.1.2	OCP - Op. Provided cost per min - using foreign LIDB						
G.1.3	OCP - Fully automated cost per call -using BST LIDB						
G.1.4	OCP-Fully automated cost per call-using foreign LIDB						
G.1.5	Loading Expense Per Announcement For Branded Announcement						
G.1.6	Recording Expense Per Announcement For Branded Announcement						
G.2	Inward Operator Services (IOS)						
G.2.1	IOS - Verification, per minute						
G.2.2	IOS - Verification and Emergency Interrupt, per minute						
G.3	Directory assistance (DA) call completion access service (DACC)						
G.3.1	DACC, per call attempt						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
G.4	Number Svcs Intercept Access Service						
G.4.1	Number services intercept per query						
G.5	Directory Assistance Access Service						
G.5.1	DA Access Service Calls, cost per call						
G.5.2	Loading Expense Per Announcement For Branded Announcement						
G.5.3	Recording Expense Per Announcement For Branded Announcement						
G.6	Directory Transport (DT)						
G.6.1	DT - Local Channel DS1						
G.6.2	DT - DS1 Level Interoffice per mile						
G.6.3	DT - DS1 Level Interoffice per facility termination						
G.6.4	Switched common transport per DA access service per call						
G.6.5	Switched common transport per DA access service per call per mile						
G.6.6	Access Tandem Switching per DA Access service per call						
G.6.7	DT-DA Interconnection Per DA Service Call						
G.6.8	DT-Installation NRC, Per Trunk or Signaling Connection						
G.6.9	DT Local Channel DS1-Incremental Cost-Manual Svc Order vs Electronic						
G.6.10	DT Interoffice DS1-Incremental Cost-Manual Svc Order vs Electronic						
G.7	Directory Assistance Data Base Service (DADS)						
G.7.1	DADS Cost per Listing						
G.7.2	DADS, Monthly Recurring Cost						
G.8	Direct Access to Directory Assistance						
G.8.1	Direct access to DA Service, per month						
G.8.2	Direct access to DA Service, per query						
G.8.3	Direct Access to DA Service, Service Establishment Charge						
G.9	Selective Routing (Interim Solution Line Class Codes)						
G.9.1	Selective Routing Per Unique Line Class Code Per Request Per Switch						
G.9.2	Selective Routing-Incremental Cost-Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
H.0	COLLOCATION						
H.2	Virtual Collocation (VC)						
H.2.1	VC- Application Cost						
H.2.2	VC- Cable Installation Cost Per Cable						
H.2.3	VC - Floor space per sq. ft.						
H.2.4	VC - Floor space power, per ampere						
H.2.5	VC - Cable support structure, per entrance cable						
H.2.6	VC - 2-wire cross connects						
H.2.7	VC - 4-wire cross connects						
H.2.8	VC - DS1 cross connects						
H.2.9	VC - DS3 cross connects						
H.2.10	VC - Security Escort - Basic, Per Half Hour						
H.2.11	VC -Security Escort - Overtime, Per Half Hour						
H.2.12	VC -Security Escort - Premium, Per Half Hour						
H.2.13	VC-2-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic						
H.2.14	VC-4-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic						
H.2.15	VC-DS1/DS3 Cross Connects-Incrm. Cost-Manual Svc Order vs Electronic						
I.0	SERVICE PROVIDER NUMBER PORTABILITY						
I.1	Service Provider Number Portability - RCF						
I.1.1	SPNP - RCF, Per number ported						
I.1.2	SPNP - RCF, Per additional path						
I.1.3	SPNP - RCF, Per Service Order, Per Location						
I.2	Service Provider Number Portability - DID						
I.2.1	SPNP - DID, Per Number Ported, Residence						
I.2.2	SPNP - DID, Per Number Ported, Business						
I.2.3	SPNP - DID, Per Service Order, Per Location						
I.2.4	SPNP - DID, per trunk termination, initial						
I.2.5	SPNP - DID, per trunk termination, subsequent						
I.2.6	SPNP - Manual Svc Order vs Electronic						
I.2.7	SPNP - Incremental Cost - Manual Svc Order vs Electronic						

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
I.3	Electronic						
I.3.1	SPNP - Incremental Cost - Manual Svc Order vs. Electronic						
I.4	Service Provider Number Portability RPH						
I.4.1	SPNP - RIPH, Functionality, Per Central Office						
I.4.2	SPNP - RIPH, Functionality, Per Rearrangement						
I.5	Service Provider Number Portability RI-PH (SPNP-RI-PH)						
I.5.1	SPNP - RI-PH, per number,ported						
I.5.2	SPNP - RI-PH, Per Service Order, Per Location						
J.0	OTHER						
J.1	Dark Fiber						
J.1.1	Dark fiber, per 4 fiber strands, per route mile or fraction thereof						
J.2	Access to Poles, Ducts, Conduits and Rights of Way						
J.2.1	Access to Poles per Pole, Per Foot, Per Year						
J.2.2	Access to Conduits, Per Foot, Per Year						
J.2.3	Access to Innerduct, Per Foot, Per Year						
K.0	ADVANCED INTELLIGENT NETWORK (AIN) SERVICES						
K.1	BellSouth AIN SMS Access Service						
K.1.1	AIN SMS Access Service-Service Establishment, Per State, Initial Setup						
K.1.2	AIN SMS Access Service - Port Connection - Dial/Shared Access						
K.1.3	AIN SMS Access Service - Port Connection - ISDN Access						
K.1.4	AIN SMS Access Service - User Identification Codes - Per User ID Code						
K.1.5	AIN SMS Access Service - Security Card, Per User ID Code, Initial or Replacement						
K.1.6	AIN SMS Access Svc - Storage, per unit (100 Kilobytes)						
K.1.7	AIN SMS Access Service - Session, per minute						
K.1.8	AIN SMS Access Svc-Company performed session, per minute						

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Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port						
	Zone 1						
	Zone 2						
	Zone 3						
P.3.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Switch-as-is						
	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Incremental Cost						
P.3.4	Manual Svc Order vs. Electronic						
P.4	2-Wire ISDN Digital Grade Loop with 2-Wire ISDN Digital Line Side Port						
	Zone 1						
	Zone 2						
	Zone 3						
P.4.3	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Switch-as-is						
	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Non Feature Subsequent Activity						
P.4.5							
P.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port						
	Zone 1						
	Zone 2						
	Zone 3						
P.5.3	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo - Switch-as-is						
	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Channel Activation - Per Channel						
P.5.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward/2way Telephone Numbers						
P.5.6	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Outward Telephone Numbers						
P.5.7	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward Telephone Numbers						
P.5.8	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Service Order Per Order						
P.5.9							

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.6	2-Wire Voice Grade Extended Loop With DS1 Dedicated						
	Interoffice Transport						
	First 2-Wire Voice Grade with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
P.17.1	Zone 3						
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination						
	Switch-as-is						
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
	Additional 2-Wire Voice Grade Loop in Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	4-Wire Voice Grade Extended Loop With DS1 Dedicated						
	Interoffice Transport						
P.7	First 4-Wire 56 or 65 kbps Digital Grade Loop with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination						
P.17.1	Switch-as-is						
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
	Additional 4-Wire 56 or 65 kbps in Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.8	4-Wire 56 or 64 kbps Extended Digital Loop With Dedicated DS1 Interoffice Transport						
	First 4-Wire 56 or 64 kbps Digital Grade Loop with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is						
P.17.1	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
	Additional 4-Wire 56 or 64 kbps in Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	Extended 2-Wire Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport						
P.9	First 2-Wire Local Channel with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is						
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
P.17.1	Additional 2-Wire Voice Grade Channel in Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.10	Extended 4-Wire-Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport						
	First 4-Wire Local Channel with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is						
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
	Additional 4-Wire Voice Grade Channel In Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
P.11	Extended 4-Wire DS1 Digital Loop With Dedicated DS1 Interoffice Transport						
	First 4-Wire DS1 Digital Loop with DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is						
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)						
	Additional 4-Wire DS1 Loop In Same DS1 (excluding mileage)						
	Zone 1						
	Zone 2						
	Zone 3						

Tennessee Interconnection and UNE Prices						
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect
				First	Additional	First Additional
P.15	4-Wire DS1 Digital Loop With 4-Wire DID Trunk Port					
	Zone 1					
	Zone 2					
	Zone 3					
P.15.3	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Switch-as-is					
P.15.5	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Channel Activation - Per Channel					
P.15.6	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Telephone Numbers					
P.15.7	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Signaling Charges					
P.15.8	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Service Order Per Order					



BellSouth Telecommunications, Inc.
333 Commerce Street, Suite 2101
Nashville, TN 37201-3300

guy.hicks@bellsouth.com

October 24, 2001

Guy M. Hicks
General Counsel

615 214 6301
Fax 615 214 7406

VIA HAND DELIVERY

David Waddell, Executive Secretary
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, TN 37238

Re: *Petition to Convene a Contested Case Proceeding to Establish
"Permanent Prices" for Interconnection and Unbundled Network
Elements*
Docket No. 97-01262

Dear Mr. Waddell:

During the September 25, 2001, Agenda Conference, the Authority ordered BellSouth to submit a revised tariff incorporating certain changes ordered by the Authority. Enclosed are fourteen copies of the revised tariff.

There is one revision which BellSouth wishes to address in this letter. Stating that Sections 11.1.1 through 11.1.6 of the tariff require CLECs to perform criminal background checks and that "this issue, as it is worded in this case, was not deliberated in the permanent price proceeding and no order has been issued on the subject in an arbitration proceeding," the Authority ordered Bellsouth to delete these seven subsections from the Collocation section of the tariff terms entitled "Security and Safety Requirements." (See September 25, 2001 Agenda Conference Transcript at p. 16.) Pursuant to the Authority's Order, BellSouth has deleted six of the seven subsections. BellSouth has revised, but not deleted, the seventh subsection, Section 11.1, because the Authority also on that date ordered in the AT&T Arbitration proceeding (Docket No. 00-00079), that under applicable FCC rules, BellSouth should be allowed to set reasonable thresholds for security checks. (See September 25, 2001 transcript at p. 37-39.) Therefore, the Authority has now ruled on the criminal background check issue.

David Waddell, Executive Secretary
October 24, 2001
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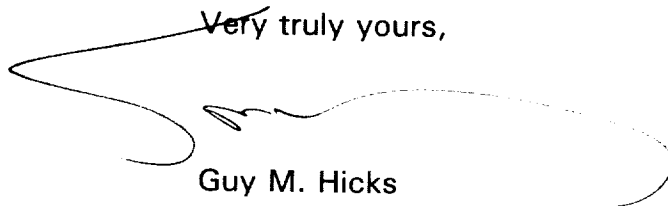
Also on September 25, the Authority, acting as arbitrators in the AT&T Arbitration proceeding (Docket No. 00-00079), ruled that under applicable FCC rules, BellSouth should be allowed to set reasonable thresholds for security checks. (See September 25, 2001 transcript at p. 37-39.) Therefore, the Authority has now ruled on the criminal background check issue.

Moreover, it is BellSouth's understanding that the Authority will allow certified CLECs to purchase services, including collocation services, from this tariff without an underlying interconnection agreement. Assuming this to be the case, the deletion of Section 11.1.1 through 11.1.6 would eviscerate BellSouth's security protections and would mean, for example, that CLEC representatives could arguably enter BellSouth's Central Offices with no background check whatsoever, and without even a picture identification. Given the AT&T arbitration ruling, the FCC's rules allowing ILECs to establish reasonable security standards, and heightened security challenges facing the industry and the country at this time, BellSouth does not believe the Authority intended to eliminate background checks or other reasonable security requirements for persons entering BellSouth's Central Offices. Based on the foregoing, BellSouth has crafted proposed language in Section 11.1 consistent with the AT&T Arbitration ruling. BellSouth's proposed Section 11.1 would also require picture identification and address other fundamental security issues.

BellSouth respectfully requests that the Authority review proposed Section 11.1 with these important security issues in mind.

Copies of the enclosed will be provided to counsel of record.

Very truly yours,

A handwritten signature in black ink, appearing to read "Guy M. Hicks", with a long, sweeping horizontal line extending to the right.

Guy M. Hicks

GMH:ch
Enclosure

BELLSOUTH
TELECOMMUNICATIONS, INC.
TENNESSEE
ISSUED: October 25, 2001
BY: President - Tennessee
Nashville, Tennessee

COMPETITIVE LOCAL EXCHANGE CARRIER TARIFF

Original Page 1

EFFECTIVE: Upon Notification By The TRA

TITLE PAGE

(N)

**COMPETITIVE LOCAL EXCHANGE CARRIER TARIFF
FOR THE
STATE OF TENNESSEE**

(N)

(N)

(N)

EXPLANATION OF SYMBOLS

(N)

When changes are made in any tariff page, a revised page will be issued canceling the tariff page affected; such changes will be identified through the use of the following symbols:

(N)

(C)	To signify changed regulation	(N)
(D)	To signify discontinued rate, regulation or text	(N)
(I)	To signify increase	(N)
(N)	To signify new rate, regulation or text	(N)
(R)	To signify reduction	(N)
(T)	To signify a change in text but no change in rate or regulation	(N)
(M)	To signify material relocated from or to another part of the tariff. (Also, if appropriate - with no change in text, rate or regulation)	(N)

BELLSOUTH
TELECOMMUNICATIONS, INC.
TENNESSEE
ISSUED: October 25, 2001
BY: President - Tennessee
Nashville, Tennessee

COMPETITIVE LOCAL EXCHANGE CARRIER TARIFF

Original Page 1

EFFECTIVE: Upon Notification By The TRA

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(N)

BELLSOUTH
TELECOMMUNICATIONS, INC.
TENNESSEE
ISSUED: October 25, 2001
BY: President - Tennessee
Nashville, Tennessee

COMPETITIVE LOCAL EXCHANGE CARRIER TARIFF

Original Page 1

EFFECTIVE: Upon Notification By The TRA

C1. APPLICATION OF TARIFF

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C1. APPLICATION OF TARIFF

C1.1 General

- This Tariff contains the rates, terms, and conditions applicable to the provision of certain unbundled network elements (UNEs), interconnection and other services furnished by BellSouth Telecommunications, Inc. (hereinafter referred to as the Company) to Competitive Local Exchange Carriers (CLECs) in Tennessee. (N)
- A. According to the Tennessee Regulatory Authority order in Docket 97-01262, the purpose of this Tariff is to ensure that certain UNEs and services are available to CLECs on a nondiscriminatory basis at cost based rates as required by the Telecommunications Act of 1996. Consistent with Section 252 of the Telecommunications Act of 1996, 47 U.S.C. §252, this Tariff does not preclude CLECs from negotiating a local interconnection agreement with the Company which includes rates, terms, and conditions different from those stated herein or from negotiating a local interconnection agreement which includes the same rates, terms, and conditions stated herein. (N)
- B. CLECs ordering UNEs from this Tariff must be authorized by the Tennessee Regulatory Authority to offer local exchange service and/or exchange access service in Tennessee. (N)
- C. CLECs must execute a Notice of Election to purchase UNEs or services under this Tariff. By executing a Notice of Election, the CLEC agrees to all of the rates, terms, and conditions set forth herein. (N)
- D. A CLEC may incorporate the rates, terms, and conditions in this Tariff for UNEs and services into a currently effective local interconnection agreement with the Company in accordance with the provisions set forth in such local interconnection agreement for amending or modifying the provisions thereof. (N)
- E. The provisions of this Tariff do not supersede or in any way modify the provisions, including rates, terms, and conditions, of any currently effective agreement between any CLEC and the Company. If and when a term or condition found in the tariff conflicts with a term or condition found in an interconnection agreement, the term or condition found in the interconnection agreement shall prevail. (N)
- F. Nothing in this Tariff is intended to conflict with the express provisions of Section 252(e) of the Telecommunications Act of 1996, 47 U.S.C. § 252(e), which requires that any interconnection agreement adopted by negotiation or arbitration shall be submitted for approval to the State commission. (N)

C1.2 Rates, Terms, and Conditions

The rates, terms, and conditions for UNEs and services offered under this Tariff are stated in Appendix A. (N)

1. **Definitions**

- 1.1 **Affiliate** is defined as a person that (directly or indirectly) owns or controls, is owned or controlled by, or is under common ownership or control with, another person. For purposes of this paragraph, the term "own" means to own an equity interest (or equivalent thereof) of more than 10 percent.
- 1.2 **Competitive Local Exchange Carrier (CLEC)** means a telephone company certificated by the TRA to provide local exchange service within BellSouth's franchised area.
- 1.3 **End User** means the ultimate user of the Telecommunications Service.
- 1.4 **FCC** means the Federal Communication Commission.
- 1.5 **Telecommunications** means the transmission, between or among points specified by the user, of information of the user's choosing, without change in the form or content of the information as sent and received.
- 1.6 **Telecommunications Service** means the offering of telecommunications for a fee directly to the public, or to such classes of users as to be effectively available directly to the public, regardless of the facilities used.
- 1.7 **Telecommunications Act of 1996 ("Act")** means Public Law 104-104 of the United States Congress effective February 8, 1996. The Act amended the Communications Act of 1934 (47 U.S.C. Section 1 et. seq.).

2. **Parity**

To the extent technically feasible, the quality of a Network Element, as well as the quality of the access to such Network Element provided by BellSouth to CLEC-1 shall be at least equal in quality to that which BellSouth provides to itself, its affiliates or any other telecommunications carrier. The quality of the interconnection between the networks of BellSouth and the network of CLEC-1 shall be at a level that is equal to that which BellSouth provides itself, a subsidiary, an Affiliate, or any other party. The interconnection facilities shall be designed to meet the same technical criteria and service standards that are used within BellSouth's network and shall extend to a consideration of service quality as perceived by end users and service quality as perceived by CLEC-1.

3. **White Pages Listings**

- 3.1 BellSouth shall provide CLEC-1 and their customers access to white pages directory listings under the following terms:

- 3.2 Listings. Subject to execution of an agreement between CLEC-1 and BellSouth's affiliate, BellSouth Advertising & Publishing Corporation and upon CLEC-1's request, CLEC-1 shall provide all new, changed and deleted listings on a timely basis and CLEC-1 residential and business customer listings will be included in the appropriate White Pages (residential and business) or alphabetical directories. Directory listings will make no distinction between CLEC-1 and BellSouth subscribers.
- 3.2.1 Rates. So long as CLEC-1 provides subscriber listing information to BellSouth in accordance with the terms and conditions herein, BellSouth shall provide to CLEC-1 one (1) primary White Pages listing per CLEC-1 subscriber at no charge other than applicable service order charges as set forth in this Tariff.
- 3.3 Procedures for Submitting CLEC-1 subscriber information are found in The BellSouth Business Rules for Local Ordering, located at BellSouth's Interconnection Services internet website (www.interconnection.bellsouth.com). Said Business Rules are incorporated herein by this reference.
- 3.3.1 Notwithstanding any provision(s) to the contrary, CLEC-1 shall provide to BellSouth, and BellSouth shall accept, CLEC-1's Subscriber Listing Information (SLI) relating to CLEC-1's customers in the Tennessee geographic area(s) served by BellSouth. CLEC-1 authorizes BellSouth to release all such CLEC-1 SLI provided to BellSouth by CLEC-1 to qualifying third parties via either license Tariff or BellSouth's Directory Publishers Database Service (DPDS), General Subscriber Services Tariff, Section A38.2, as the same may be amended from time to time. Such CLEC-1 SLI shall be intermingled with BellSouth's own customer listings and listings of any other CLEC that has authorized a similar release of SLI.
- 3.3.2 No compensation shall be paid to CLEC-1 for BellSouth's receipt of CLEC-1 SLI, or for the subsequent release to third parties of such SLI. In addition, to the extent BellSouth incurs costs to modify its systems to enable the release of CLEC-1's SLI, or costs on an ongoing basis to administer the release of CLEC-1 SLI, CLEC-1 shall pay to BellSouth its proportionate share of the reasonable costs associated therewith.
- 3.3.3 BellSouth shall not be liable for the content or accuracy of any SLI provided by CLEC-1 under this Tariff. CLEC-1 shall indemnify, hold harmless and defend BellSouth and its agents from and against any damages, losses, liabilities, demands claims, suits, judgments, costs and expenses (including but not limited to reasonable attorneys' fees and expenses) arising from BellSouth's Tariff obligations or otherwise and resulting from or arising out of any third party's claim of inaccurate CLEC-1 listings or use of the SLI provided pursuant to this Tariff. BellSouth may forward to CLEC-1 any complaints received by BellSouth relating to the accuracy or quality of CLEC-1 listings.

- 3.3.4 Listings and subsequent updates will be released consistent with BellSouth system changes and/or update scheduling requirements.
- 3.4 Unlisted/Non-Published Subscribers. CLEC-1 will be required to provide to BellSouth the names, addresses and telephone numbers of all CLEC-1 customers that wish to be omitted from directories.
- 3.5 Inclusion of CLEC-1 Customers in Directory Assistance Database. BellSouth will include and maintain CLEC-1 subscriber listings in BellSouth's Directory Assistance databases at no recurring charge and CLEC-1 shall provide such Directory Assistance listings at no recurring charge. BellSouth and CLEC-1 will formulate appropriate procedures regarding lead-time, timeliness, format and content of listing information.
- 3.6 Listing Information Confidentiality. BellSouth will accord CLEC-1's directory listing information the same level of confidentiality that BellSouth accords its own directory listing information, and BellSouth shall limit access to CLEC-1's customer proprietary confidential directory information to those BellSouth employees or agents who are involved in the preparation of listings or directories.
- 3.7 Optional Listings. Additional listings and optional listings will be offered by BellSouth at tariffed rates as set forth in BellSouth's Tennessee General Subscriber Services Tariff.
4. **Court Ordered Requests for Call Detail Records and Other Subscriber Information**
- 4.1 Subpoenas Directed to BellSouth. Where BellSouth provides local switching for CLEC-1, BellSouth shall respond to subpoenas and court ordered requests delivered directly to BellSouth for the purpose of providing call detail records when the targeted telephone numbers belong to CLEC-1 end users. Billing for such requests will be generated by BellSouth and directed to the law enforcement agency initiating the request. BellSouth shall maintain such information for CLEC-1 end users for the same length of time it maintains such information for its own end users.
- 4.2 Subpoenas Directed to CLEC-1. Where BellSouth is providing to CLEC-1 local switching, then CLEC-1 agrees that in those cases where CLEC-1 receives subpoenas or court ordered requests regarding targeted telephone numbers belonging to CLEC-1 end users, and where CLEC-1 does not have the requested information, CLEC-1 will advise the law enforcement agency initiating the request to redirect the subpoena or court ordered request to BellSouth for handling in accordance with 7.1 above.
- 4.3 In all other instances, where BellSouth or CLEC-1 receive a request for information involving the other end user, whoever received the request will advise the law

enforcement agency initiating the request to redirect such request to the other.

5. **Liability and Indemnification**

5.1 Liability for Acts or Omissions of Third Parties. BellSouth shall not be liable to CLEC-1 for any act or omission of another telecommunications company providing services to CLEC-1.

5.2 Limitation of Liability

5.2.1 Each party's liability to the other for any loss, cost, claim, injury or liability or expense, including reasonable attorney's fees relating to or arising out of any negligent act or omission in its performance whether in contract or in tort, shall be limited to a credit for the actual cost of the services or functions not performed or improperly performed.

5.2.2 Neither CLEC-1 nor BellSouth shall be liable for damages to each other's terminal location, equipment or End User premises resulting from the furnishing of a service, including, but not limited to, the installation and removal of equipment or associated wiring, except to the extent caused by the company's negligence or willful misconduct or by its failure to ground properly a local loop after disconnection.

5.2.3 Under no circumstance shall BellSouth or CLEC-1 be responsible or liable for indirect, incidental, or consequential damages, including, but not limited to, economic loss or lost business or profits, damages arising from the use or performance of equipment or software, or the loss of use of software or equipment, or accessories attached thereto, delay, error, or loss of data.

5.2.4 To the extent any specific provision of this Tariff purports to impose liability, or limitation of liability, on BellSouth or CLEC-1 different from or in conflict with the liability or limitation of liability set forth in this Section, then with respect to any facts or circumstances covered by such specific provisions, the liability or limitation of liability contained in such specific provision shall apply.

5.3 Indemnification for Certain Claims. When the company is providing services hereunder to the other, its affiliates and its parent company, shall be indemnified, defended and held harmless by the receiving company's against any claim, loss or damage arising from CLEC-1 by use of the services provided under this Tariff pertaining to (1) claims for libel, slander or invasion of privacy arising from the content of the receiving company's own communications, or (2) any claim, loss or damage claimed by the End User of the receiving company arising from its use or reliance on the providing company's services, actions, duties, or obligations arising out of this Tariff.

- 5.4 Disclaimer. EXCEPT AS SPECIFICALLY PROVIDED TO THE CONTRARY IN THIS TARIFF, NEITHER COMPANY MAKES ANY REPRESENTATIONS OR WARRANTIES TO THE OTHER COMPANY CONCERNING THE SPECIFIC QUALITY OF ANY SERVICES, OR FACILITIES PROVIDED UNDER THIS TARIFF. BOTH COMPANIES DISCLAIM, WITHOUT LIMITATION, ANY WARRANTY OR GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR FROM USAGES OF TRADE.

6. **Intellectual Property Rights and Indemnification**

- 6.1 No License. No patent, copyright, trademark or other proprietary right is licensed, granted or otherwise transferred by thisTariff. CLEC-1 is strictly prohibited from any use, including but not limited to in sales, in marketing or advertising of telecommunications services, of any BellSouth name, service mark or trademark. Notwithstanding the foregoing, CLEC-1 may use BellSouth's name solely in response to inquiries of customers or potential customers regarding the source of the underlying service or the identity of repair or service technicians under this Tariff.
- 6.2 Ownership of Intellectual Property. Any intellectual property which originates from or is developed by BellSouth shall remain its exclusive property. Except for a limited license to use patents or copyrights to the extent necessary for CLEC-1 to use any facilities or equipment (including software) or to receive any service solely as provided under thisTariff, no license in patent, copyright, trademark or trade secret, or other proprietary or intellectual property right now or hereafter owned, controlled or licensable by BellSouth, is granted to CLEC-1 or shall be implied or arise by estoppel. It is the responsibility of BellSouth to ensure at no additional cost that it has obtained any necessary licenses in relation to intellectual property of third Parties used in its network that may be required to enable the either to use any facilities or equipment (including software), to receive any service, or to perform its respective obligations under thisTariff.
- 6.3 Indemnification. When providing a service pursuant to this Tariff, CLEC-1 or BellSouth will defend the company receiving such service or data provided as a result of such service against claims of infringement arising solely from the use by the receiving company of such service in the manner contemplated under this Tariff and will indemnify the receiving company for any damages awarded based solely on such claims in accordance with Section 5 of this Tariff.
- 6.4 Claim of Infringement. In the event that use of any facilities or equipment (including software), becomes, or in the reasonable judgment of BellSouth is likely to become, the subject of a claim, action, suit, or proceeding based on intellectual property infringement, then BellSouth shall promptly and at its sole expense and sole option, but subject to the limitations of liability set forth below:

- 6.4.1 Modify or replace the applicable facilities or equipment (including software) while maintaining form and function, or
- 6.4.2 Obtain a license sufficient to allow such use to continue.
- 6.4.3 In the event 7.4.1 or 7.4.2 are commercially unreasonable, then BellSouth may, withdraw, upon reasonable notice, the appropriate sections of this Tariff with respect to use of, or services provided through use of, the affected facilities or equipment (including software), but solely to the extent required to avoid the infringement claim.
- 6.5 Exception to Obligations. BellSouth's obligations under this Section shall not apply to the extent the infringement is caused by: (i) modification of the facilities or equipment (including software) by the indemnitee; (ii) use by the indemnitee of the facilities or equipment (including software) in combination with equipment or facilities (including software) not provided or authorized by the indemnitor, provided the facilities or equipment (including software) would not be infringing if used alone; (iii) conformance to specifications of the indemnitee which would necessarily result in infringement; or (iv) continued use by the indemnitee of the affected facilities or equipment (including software) after being placed on notice to discontinue use as set forth herein.
- 6.6 Exclusive Remedy. The foregoing shall constitute CLEC-1's sole and exclusive remedies and obligations with respect to a third party claim of intellectual property infringement arising out of the conduct of business under this Tariff.
7. **Proprietary and Confidential Information**
- 7.1 Proprietary and Confidential Information. It may be necessary for BellSouth and CLEC-1, each as the "Discloser," to provide to the other, as "Recipient," certain proprietary and confidential information (including trade secret information) including but not limited to technical, financial, marketing, staffing and business plans and information, strategic information, proposals, request for proposals, specifications, drawings, maps, prices, costs, costing methodologies, procedures, processes, business systems, software programs, techniques, customer account data, call detail records and like information (collectively the "Information"). All such Information conveyed in writing or other tangible form shall be clearly marked with a confidential or proprietary legend. Information conveyed orally by the Discloser to Recipient shall be designated as proprietary and confidential at the time of such oral conveyance, shall be reduced to writing by the Discloser within forty-five (45) days thereafter, and shall be clearly marked with a confidential or proprietary legend.
- 7.2 Use and Protection of Information. Recipient agrees to protect such Information of the Discloser provided to Recipient from whatever source from distribution,

disclosure or dissemination to anyone except employees of Recipient with a need to know such Information solely in conjunction with Recipient's analysis of the Information and for no other purpose except as authorized herein or as otherwise authorized in writing by the Discloser. Recipient will not make any copies of the Information inspected by it.

- 7.3 Exceptions. Recipient will not have an obligation to protect any portion of the Information which: (a) is made publicly available by the Discloser or lawfully by a nonparty to this Tariff; (b) is lawfully obtained by Recipient from any source other than Discloser; (c) is previously known to Recipient without an obligation to keep it confidential; or (d) is released from the terms of this Tariff by Discloser upon written notice to Recipient.
- 7.4 Recipient agrees to use the Information solely for the purposes of performing its obligations under this Tariff and for no other entity or purpose, except as may be otherwise agreed to in writing. Nothing herein shall prohibit Recipient from providing information requested by the FCC or the TRA, or to support a request for arbitration or an allegation of failure to negotiate in good faith.
- 7.5 Recipient agrees not to publish or use the Information for any advertising, sales promotions, press releases, or publicity matters that refer either directly or indirectly to the Information or to the Discloser or any of its affiliated companies.
- 7.6 The disclosure of Information neither grants nor implies any license to the Recipient under any trademark, patent, copyright, or application which is now or may hereafter be owned by the Discloser.
- 7.7 Survival of Confidentiality Obligations. The rights and obligations under this Section 8 shall survive and continue in effect until four (4) years after the Information is provided. Thereafter, the Parties' rights and obligations hereunder survive and continue in effect with respect to any Information that is a trade secret under applicable law.
8. **Taxes**
- 8.1 Definition. For purposes of this Section, the terms "taxes" and "fees" shall include but not limited to federal, state or local sales, use, excise, gross receipts or other taxes or tax-like fees of whatever nature and however designated (including tariff surcharges and any fees, charges or other payments, contractual or otherwise, for the use of public streets or rights of way, whether designated as franchise fees or otherwise) imposed, or sought to be imposed, on or with respect to the services furnished hereunder or measured by the charges or payments therefore, excluding any taxes levied on income.

- 8.2 Taxes and Fees Imposed Directly On Either Providing company or Purchasing company.
- 8.2.1 Taxes and fees imposed on the providing company, which are not permitted or required to be passed on by the providing company to its customer, shall be borne and paid by the providing company.
- 8.2.2 Taxes and fees imposed on the purchasing company, which are not required to be collected and/or remitted by the providing company, shall be borne and paid by the purchasing company.
- 8.3 Taxes and Fees Imposed on Purchasing company But Collected And Remitted By Providing company.
- 8.3.1 Taxes and fees imposed on the purchasing company shall be borne by the purchasing company, even if the obligation to collect and/or remit such taxes or fees is placed on the providing company.
- 8.3.2 To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the companies. Notwithstanding the foregoing, the purchasing company shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing company at the time that the respective service is billed.
- 8.3.3 If the purchasing company determines that in its opinion any such taxes or fees are not payable, the providing company shall not bill such taxes or fees to the purchasing company if the purchasing company provides written certification, reasonably satisfactory to the providing company, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis therefor, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing company has determined and certified not to be payable, or any such tax or fee that was not billed by the providing company, the purchasing company may contest the same in good faith, at its own expense. In any such contest, the purchasing company shall promptly furnish the providing company with copies of all filings in any proceeding, protest, or legal challenge, all rulings issued in connection therewith, and all correspondence between the purchasing company and the taxing authority.
- 8.3.4 In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing company during the pendency of such contest, the purchasing company shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.

- 8.3.5 If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing company shall pay such additional amount, including any interest and penalties thereon.
- 8.3.6 Notwithstanding any provision to the contrary, the purchasing company shall protect, indemnify and hold harmless (and defend at the purchasing company's expense) the providing company from and against any such tax or fee, interest or penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing company in connection with any claim for or contest of any such tax or fee.
- 8.3.7 Each company shall notify the other company in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) days after receipt of such assessment, proposed assessment or claim.
- 8.4 Taxes and Fees Imposed on Providing company But Passed On To Purchasing company.
- 8.4.1 Taxes and fees imposed on the providing company, which are permitted or required to be passed on by the providing company to its customer, shall be borne by the purchasing company.
- 8.4.2 To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the companies. Notwithstanding the foregoing, the purchasing company shall remain liable for any such taxes and fees regardless of whether they are actually billed by the providing company at the time that the respective service is billed.
- 8.4.3 If the purchasing company disagrees with the providing company's determination as to the application or basis for any such tax or fee, the companies shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the foregoing, the providing Company shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing company shall abide by such determination and pay such taxes or fees to the providing Company. The providing company shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing company shall be at the purchasing company's expense.

- 8.4.4 In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing company during the pendency of such contest, the purchasing company shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.
- 8.4.5 If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing company shall pay such additional amount, including any interest and penalties thereon.
- 8.4.6 Notwithstanding any provision to the contrary, the purchasing company shall protect indemnify and hold harmless (and defend at the purchasing company's expense) the providing company from and against any such tax or fee, interest or penalties thereon, or other reasonable charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing company in connection with any claim for or contest of any such tax or fee.
- 8.4.7 Each company shall notify the other company in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) days after receipt of such assessment, proposed assessment or claim.
- 8.5 Mutual Cooperation. In any contest of a tax or fee by one company, the other company shall cooperate fully by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest. Further, the other company shall be reimbursed for any reasonable and necessary out-of-pocket copying and travel expenses incurred in assisting in such contest.

9. **Force Majeure**

In the event performance of this Tariff, or any obligation hereunder, is either directly or indirectly prevented, restricted, or interfered with by reason of fire, flood, earthquake or like acts of God, wars, revolution, civil commotion, explosion, acts of public enemy, embargo, acts of the government in its sovereign capacity, labor difficulties, including without limitation, strikes, slowdowns, picketing, or boycotts, unavailability of equipment from vendor, or any other circumstances beyond the reasonable control of BellSouth, BellSouth affected, upon giving prompt notice to the CLEC-1, shall be excused from such performance on a day-to-day basis to the extent of such prevention, restriction, or interference (and the CLEC-1 shall likewise be excused from performance of its obligations on a day-to-day basis until the delay, restriction or interference has ceased).

10. **CLEC Modification**

- 10.1 If CLEC-1 changes its name or makes changes to its company structure or identity due to a merger, acquisition, transfer or any other reason, it is the responsibility of CLEC-1 to notify BellSouth of said change and request that the appropriate changes be made to the billing accounts. CLEC-1 shall bear all expense associated with any necessary changes to accounts.
- 10.2 Notwithstanding the foregoing, BellSouth may provide CLEC-1 notice via Internet changes to business processes and policies; notices of new service offerings; and changes to service offerings; notices required to be posted to BellSouth's website; and any other information of general applicability to CLECs.

ACCESS TO NETWORK ELEMENTS AND OTHER SERVICES

1. Introduction

- 1.1 The price for each unbundled network element and combination of unbundled Network Elements are set forth in the Price Schedule in this Tariff.
- 1.2 “Network Element” is defined to mean a facility or equipment provided by BellSouth on an unbundled basis used by CLEC-1 in the provision of a telecommunications service. For purposes of this Tariff, combinations of Network Elements shall be referred to as “Combinations.”
 - 1.2.1 Except as otherwise required by law, BellSouth shall not impose limitations, restrictions or requirements on a request for the use of the network elements or combinations that would impair the ability of CLEC-1 to offer telecommunications service in the manner CLEC-1 intends.
 - 1.2.2 Except upon request by CLEC-1, BellSouth shall not separate requested network elements that BellSouth currently combines.
 - 1.2.2.1 BellSouth currently combines network elements when it provides the same combination to itself anywhere in its network. Pursuant to the Authority’s orders in Docket No. 97-01262 and Docket No. 99-00430, BellSouth shall provide to CLEC-1 in Tennessee any combination of unbundled network elements that it currently combines. BellSouth does not waive any rights to appeal or otherwise challenge the Authority’s directive that BellSouth provide these Combinations.
- 1.3 BellSouth shall, upon request of CLEC-1, and to the extent technically feasible, provide to CLEC-1 access to its network elements for the provision of CLEC-1’s telecommunications service.
- 1.4 CLEC-1 may purchase network elements and other services from BellSouth for the purpose of combining such network elements in any manner CLEC-1 chooses to provide telecommunication services to its intended users, including recreating existing BellSouth services. With the exception of the sub-loop elements that are located outside of the central office, BellSouth shall deliver to the designated CLEC-1 collocation space the network elements purchased by CLEC-1 for combining by CLEC-1. The network elements shall be provided as set forth herein.
- 1.5 CLEC-1 will adopt and adhere to the standards contained in the applicable BellSouth Operational Understanding regarding maintenance of service. The Operational Understanding is that which is set forth on BellSouth Interconnection

Services Internet website (www.interconnection.bellsouth.com), incorporated herein by this reference.

2. Unbundled Loops, Network Interfaces Device, Unbundled Loop Concentration (ULC) System, Sub loops and Dark Fiber

2.1 Unbundled Loops

2.1.1 Definition

The local loop network element ("Loop(s)") is defined as a transmission facility between a distribution frame (or its equivalent) in BellSouth's central office and the loop demarcation point at an end-user customer premises, including inside wire owned by BellSouth. The local loop network element includes all features, functions, and capabilities of the transmission facilities, including dark fiber and attached electronics (except those used for the provision of advanced services, such as Digital Subscriber Line Access Multiplexers).

2.1.2 The provisioning of service to a CLEC-1's collocation space will require cross-office cabling and cross-connections within the central office to connect the loop to a local switch or to other transmission equipment. These cross-connects are a separate component, that are not considered a part of the loop, and thus, have a separate charge.

2.1.3 BellSouth Order Coordination referenced herein includes two types: "Order Coordination" (OC) and "Order Coordination - Time Specific" (OC-TS).

2.1.4 "Order Coordination" refers to standard BellSouth service order coordination involving the reuse of facilities for SL2 voice loops and all digital loops, where CLEC-1 is requesting that their loop order be provisioned over an existing circuit that is currently providing service to the end user. Order coordination for physical conversions will be scheduled at BellSouth's discretion during normal working hours on the committed due date and CLEC-1 will be advised.

2.1.5 "Order Coordination – Time Specific" refers to service order coordination in which CLEC-1 requests a specific time for a service order conversion to take place. Loops on a single service order of 14 or more loops will be provisioned on a project basis. This is a chargeable option for any coordinated order and is billed in addition to the OC charge. CLEC-1 may specify a time between 9:00 a.m. and 4:00 p.m. (location time) Monday through Friday (excluding holidays). BellSouth will make every effort to accommodate CLEC-1's specific conversion time request. BellSouth, however, reserves the right to negotiate with CLEC-1 a conversion time based on load and appointment control when necessary. If CLEC-1 specifies a time outside this window, or selects a time or quantity of loops that requires BellSouth technicians to work outside normal work hours, overtime charges will apply in addition to the OC and OC-TS charges. Overtime

charges will be applied according to actual costs based on type of work force group required to perform the work, overtime hours worked and any special circumstances. The following chart sets forth the OC, OC-TS, DLR, Test Points and Dispatch rules associated with the various loops offered under this Tariff.

	Order Coordination	Order Coordination – Time Specific	Test Points	DLR	Charge for Dispatch and Testing if No Trouble Found
SL-1	Not available	Not available	Not available	Chargeable Option	Charged for Dispatch inside & outside Central Office
SL-2	Included	Chargeable Option	Included	Included	Charged for Dispatch outside Central Office
Unbundled Digital Loop	Included	Chargeable Option (except on Universal Digital Channel)	Included (where appropriate)	Included	Charged for Dispatch outside Central Office

- 2.1.6 Where facilities are available, BellSouth will install loops in compliance with BellSouth's Interval Guide available at the website <http://www.interconnection.bellsouth.com> incorporated herein by this reference. For orders of 14 or more loops, the installation will be handled on a project basis and the intervals will be set by the BellSouth project manager for that order. Some loops require a Service Inquiry (SI) to determine if facilities are available prior to issuing the order. The interval for the SI process is separate from the installation interval. Order cancellation and expedite charges will apply in accordance with this Tariff.
- 2.1.7 If CLEC-1 modifies an order after being sent a Firm Order Confirmation (FOC) from BellSouth, any costs incurred by BellSouth to accommodate the modification will be paid by CLEC-1.
- 2.1.8 BellSouth will offer Unbundled Voice Loops (UVL) in two different service levels - Service Level One (SL1) and Service Level Two (SL2).
- 2.1.9 SL1 loops will be non-designed, will not have test points, and will not come with any OC or engineering information/circuit make-up data. Upon issuance of an order in the service order system, SL1 loops will be activated on the due date in the same manner and time frames that BellSouth normally activates POTS-type loops for its customers. If CLEC-1 requests work to be done for SL1s that requires BellSouth technicians to work outside normal work hours, overtime charges will be applied according to actual costs based on type of force group

required to perform the work, overtime hours worked and any special circumstances.

- 2.1.10 SL2 loops shall have test points, will be designed with a design layout record provided to CLEC-1, and will be provided with OC. The OC feature will allow CLEC-1 to coordinate the installation of the loop with the disconnect of an existing customer's service and/or number portability service. In these cases, BellSouth will perform the order conversion with standard order coordination at its discretion during normal work hours.
- 2.1.11 CLEC-1 will be responsible for testing and isolating troubles on the loops. Once CLEC-1 has isolated a trouble report to the BellSouth provided loop, CLEC-1 will issue a trouble report to BellSouth on the loop. BellSouth will take the actions necessary to repair the loop if a trouble actually exists. BellSouth will repair these loops in the same time frames that BellSouth repairs similarly situated loops to its customers.
- 2.1.12 If CLEC-1 reports a trouble report on SL1 loops and no trouble actually exists, BellSouth will charge CLEC-1 for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the loop's working status.
- 2.1.13 If CLEC-1 reports a trouble report on SL2 loops and no trouble actually exists, BellSouth will charge CLEC-1 for any dispatching and testing, (outside the CO) required by BellSouth in order to confirm the loop's working status.
- 2.1.14 Technical Requirements
 - 2.1.14.1 To the extent available within BellSouth's Network at a particular location, BellSouth will offer loops capable of supporting telecommunications services such as: POTS, Centrex, basic rate ISDN, analog PBX, voice grade private line, ADSL, HDSL, DS1 and digital data (up to 64 kb/s).
 - 2.1.14.2 CLEC-1 will be responsible for providing BellSouth with a Service Profile Identifier (SPID) associated with a particular ISDN-capable loop and end user. With the SPID, BellSouth will be able to adequately test the circuit and ensure that it properly supports ISDN service.
 - 2.1.14.3 the loop will support the transmission, signaling, performance and interface requirements of the services described above. It is recognized that the requirements of different services are different, and that a number of types or grades of loops are required to support these services. Services provided over the loop by CLEC-1 will be consistent with industry standards and BellSouth's TR73600.

- 2.1.14.4 CLEC-1 may utilize the unbundled loops to provide any telecommunication service it wishes. However, BellSouth will only provision, maintain and repair the loops to the standards that are consistent with the type of loop ordered. For example, if CLEC-1 orders an ISDN-capable loop but wants to use the loop for a service other than ISDN, BellSouth will only support that the loop is capable of providing ISDN service.

2.2. Integrated Digital Loop Carriers

- 2.2.1 If CLEC-1 requests one or more loops or Combinations of loops and ports that are served by an Integrated Digital Loop Carrier system ("IDLC"), BellSouth shall unbundle the IDLC-delivered loop, as soon as practicable, using one of the following alternative arrangements: (1) utilize existing Next Generation Digital Loop Carrier ("NGDLC") facilities; (2) utilize existing Universal Digital Loop Carrier ("UDLC"); (3) utilize existing copper facilities that serve the distribution area or allocate new copper feeder pairs to the distribution area if spare capacity is available in the feeder route or carrier serving area; (4) utilize spare capacity of existing Integrated Network Access system or other existing IDLC that is terminated on a digital cross-connect system; (5) utilize side-door/hairpin capability of switch peripheral if the serving IDLC is terminated on a peripheral with those capabilities, or if spare capacity is available on a switch peripheral; (6) activate new IDLC or NGDLC capacity to the distribution area; or (7) convert some existing IDLC capacity to UDL. These alternative arrangements will be used where available to permit CLEC-1 to order a Loop and to provide CLEC-1 with the capability to serve end users at the same level BellSouth provides its retail customers, to the extent technically feasible. When possible, CLEC-1 will be allowed to choose between the available alternative arrangements listed above.

2.3 Network Interface Device

2.3.1 Definition

The NID is defined as any means of interconnection of end-user customer inside wire to BellSouth's distribution plant, such as a cross-connect device used for that purpose. The NID is a single-line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit at the premises. The NID features two independent chambers or divisions that separate the service provider's network from the End User's on-premises wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider and the end user each make their connections. The NID provides a protective ground connection and is capable of terminating cables such as twisted pair cable.

BellSouth shall permit CLEC-1 to connect CLEC-1's loop facilities the end-user's inside wire through the BellSouth NID or at any other technically feasible point.

2.3.2 Access to Network Interface Device (NID)

2.3.2.1 Due to the wide variety of NIDs utilized by BellSouth (based on subscriber size and environmental considerations), CLEC-1 may access the end user's wire by any of the following means: BellSouth shall allow CLEC-1 to connect its loops directly to BellSouth's multi-line residential NID enclosures that have additional space and are not used by BellSouth or any other telecommunications carriers to provide service to the premise. It is the responsibility of CLEC-1 to leave undisturbed the existing form of electrical protection and to maintain the physical integrity of the NID.

2.3.2.2 Where an adequate length of the end user's inside wire is present and environmental conditions permit, either Party may remove the inside wire from the other Party's NID and connect that wire to that Party's own NID; or

2.3.2.3 Enter the subscriber access chamber or "side" of "dual chamber" NID enclosures for the purpose of extending a connecterized or spliced jumper wire from the inside wiring through a suitable "punch-out" hole of such NID enclosures; or

2.3.2.4 Request BellSouth to make other rearrangements to the inside wiring terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting party (i.e., CLEC-1, its agent, the building owner or the subscriber). Such charges will be billed to the requesting Party.

2.3.2.5 Due to the wide variety of NID enclosures and outside plant environments BellSouth will work with CLEC-1 to develop specific procedures to establish the most effective means of implementing access to the NID.

2.3.3 Technical Requirements

2.3.3.1 The NID shall provide an accessible point of interconnection and shall maintain a connection to ground.

2.3.3.2 The NID shall be capable of transferring electrical analog or digital signals between the subscriber's inside wiring and the Distribution Media and/or cross connect to CLEC-1's NID, consistent with the NID's function at the Effective Date of this Tariff.

2.3.3.3 Where a BellSouth NID exists, it is provided in its "as is" condition. CLEC-1 may request BellSouth do additional work to the NID and BellSouth will work with CLEC-1 to perform the additional work. When CLEC-1 deploys its own local loops with respect to multiple-line termination devices, CLEC-1 shall specify the quantity of NIDs connections that it requires within such device.

2.3.3.4 The NID shall be equal to or better than all of the requirements for NIDs set forth in the applicable industry standard technical references.

2.4 **Unbundled Loop Concentration (ULC) System**

2.4.1 BellSouth will provide to CLEC-1 Unbundled Loop Concentration (ULC). Loop concentration systems in the central office concentrate the signals transmitted over local loops onto a digital loop carrier system. The concentration device is placed inside a BellSouth central office.

2.5 **Sub-loop Elements**

2.5.1 Where facilities permit, BellSouth shall offer access to its Unbundled Sub Loop (USL) and Unbundled Sub-loop Concentration (USLC) System.

2.5.2 Sub-loop components include the following:

2.5.2.1 Unbundled Sub-Loop Distribution;

2.5.2.2 Unbundled Sub-Loop Concentration/Multiplexing Functionality; and

2.5.2.3 Unbundled Sub-Loop Feeder.

2.6 **Unbundled Sub-Loop (distribution facilities)**

2.6.1 The unbundled sub-loop distribution facility is dedicated transmission facility that BellSouth provides from a customer's point of demarcation to a BellSouth cross-connect device. The BellSouth cross-connect device may be located within a remote terminal (RT) or a stand-alone cross-box in the field or in the equipment room of a building. The unbundled sub-loop distribution media is a copper twisted pair that can be provisioned as a 2 Wire or 4 Wire facility. Following are the current sub-loop distribution offerings:

2.6.2 Voice grade Unbundled Sub-Loop Distribution (USL-D) is a sub-loop facility from the cross-box in the field up to and including the point of demarcation, at the end user's premises.

2.6.3 Unbundled Sub-Loop distribution facilities were originally built as part of the entire voice grade loop from the BellSouth central office to the customer network interface. Therefore, the voice grade Unbundled Sub-Loop may have load coils, which are necessary for transmission of voice grade services.

2.6.4 Unbundled Sub-Loop distribution facilities shall support functions associated with provisioning, maintenance and testing of the Unbundled Sub-Loop. For access to Voice Grade USL-D, CLEC-1 would be required to deliver a cable to the BellSouth remote terminal or cross-box in the field to provide continuity to CLEC-1's feeder facilities. This cable would be connected, by a BellSouth

technician, within the BellSouth RT/cross-box during the set-up process. CLEC-1's cable pairs can then be connected to BellSouth's USL within the BellSouth cross-box by the BellSouth technician.

- 2.6.5 BellSouth will provide Unbundled Sub-Loops where possible. Through the firm order Service Inquiry (SI) process, BellSouth will determine if it is feasible to place the required facilities where CLEC-1 has requested access to Unbundled Sub-Loops. If existing capacity is sufficient to meet the CLEC demand, then BellSouth will perform the set-up work as described below. If any work must be done to modify existing BellSouth facilities or add new facilities to accommodate CLEC-1's request for Unbundled Sub-Loops, CLEC-1 may request BellSouth's Special Construction (SC) process to determine additional costs required to provision the Unbundled Sub-Loops. CLEC-1 will have the option of paying the SC charges to modify the BellSouth facilities.
- 2.6.6 Set-up work must be completed before CLEC-1 can order sub-loop pairs. During the set-up in a BellSouth cross-connect box in the field, the BellSouth technician will perform the necessary work to splice the CLEC's cable into the cross-connect box. For the set-up inside a building equipment room, BellSouth will perform the necessary work to install the cross-connect panel and the connecting block(s) that will be used to provide access to the requested USLs.
- 2.6.7 Once the set-up is complete, the CLEC-1 will request sub-loop pairs through submission of a Local Service Request (LSR) form to the Local Carrier Service Center (LCSC). Order Coordination is required with USL pair provisioning when CLEC-1 requests reuse of an existing facility and is in addition to the USL pair rate. For expedite requests by CLEC-1 for sub-loop pairs, expedite charges will apply for intervals less than 5 days.
- 2.6.8 Unbundled Sub-Loop shall be equal to or better than each of the applicable requirements set forth in the applicable industry standard technical references.
- 2.6.9 Unbundled Sub-Loops will be provided in accordance with technical reference TR73600.
- 2.7 **Unbundled Sub-Loop Concentration System (USLC)**
 - 2.7.1 Where facilities permit, BellSouth will provide CLEC-1 with the ability to concentrate its sub-loops onto multiple DS1s back to the BellSouth Central Office. The DS1s will then be terminated into CLEC-1's collocation space.
 - 2.7.2 In these scenarios CLEC-1 would be required to place a cross-box, remote terminal (RT), or other similar device and deliver a cable to the BellSouth RT. This cable would be connected, by a BellSouth technician, to a cross-connect panel within the BellSouth RT/cross-box and would allow CLEC-1's sub-loops to

then be placed on the ULSC and transported to their collocation space at a DS1 level.

2.8 Unbundled Sub-Loop Feeder

2.8.1 Unbundled Sub-Loop Feeder (USLF) provides connectivity between BellSouth's central office and its cross-box (or other access point) that serves an end user location.

2.8.2 USLF is intended to be utilized for voice traffic and can be configured as 2-wire voice (USLF-2W/V).

2.8.3 USLF can also be utilized for digital traffic and can be configured as 2-wire ISDN (USLF-2W/I);

2.8.4 USLF will provide the facilities needed to provision a 2W communications pathway from the BellSouth central office to the BellSouth cross-box. This element will allow for the connection of CLEC-1's loop distribution elements onto BellSouth's feeder system.

2.8.5 Requirements

2.8.5.1 CLEC-1 will extend its compatible cable to BellSouth's cross-box. The cable will then be connected to a panel inside the BellSouth cross-box to the requested level of feeder element. In those cases when there is no room in the BellSouth cross-box to accommodate the additional cross-connect panels mentioned above, BellSouth will utilize its Special Construction process to determine the costs to provide the sub-loop feeder element to CLEC-1. CLEC-1 will then have the option of paying the special construction charges or canceling the order.

2.8.5.2 USLF will be a designed circuit and BellSouth will provide a Design Layout Record (DLR) for this element.

2.8.5.3 BellSouth will provide USLF elements in accordance with applicable industry standards for these types of facilities. Where industry standards do not exist, BellSouth's TR73600 will be used to determine performance parameters.

2.9 Dark Fiber

2.9.1 Dark Fiber is optical transmission facilities without attached signal regeneration, multiplexing, aggregation or other electronics that connects two points within BellSouth's network. Dark Fiber is unused strands of optical fiber. It may be strands of optical fiber existing in aerial or underground structure. No line terminating elements terminated to such strands to operationalize its transmission capabilities will be available.

2.9.2 Requirements

- 2.9.2.1 BellSouth shall make available Dark Fiber where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. If BellSouth has plans to use the fiber within a two-year planning period, there is no requirement to provide said fiber to CLEC-1.
- 2.9.2.2 If the requested dark fiber has any lightwave repeater equipment interspliced to it, BellSouth will remove such equipment at CLEC-1's request subject to time and materials charges.
- 2.9.2.3 CLEC-1 may test the quality of the Dark Fiber to confirm its usability and performance specifications.
- 2.9.2.4 BellSouth shall use its best efforts to provide to CLEC-1 information regarding the location, availability and performance of Dark Fiber within ten (10) business days after receiving a request from CLEC-1 ("Request").
- 2.9.2.5 BellSouth shall use its best efforts to make Dark Fiber available to CLEC-1 within twenty (20) business days after it receives written confirmation from CLEC-1 that the Dark Fiber previously deemed available by BellSouth is wanted for use by CLEC-1. This includes identification of appropriate connection points (e.g., Light Guide Interconnection (LGX) or splice points) to enable CLEC-1 to connect or splice CLEC-1 provided transmission media (e.g., optical fiber) or equipment to the Dark Fiber.
- 2.9.2.6 Dark Fiber shall meet the manufacturer's design specifications.

3.0 **Local Switching**

- 3.1 Except as otherwise provided herein, BellSouth shall provide non-discriminatory access to local circuit switching capability, and local tandem switching capability, on an unbundled basis
- 3.2 Except as otherwise provided herein, BellSouth shall not impose any restrictions on CLEC-1 regarding the use of Switching Capabilities purchased from BellSouth provided such use does not result in demonstrable harm to either the BellSouth network or personnel or the use of the BellSouth network by BellSouth or any other telecommunication carrier.

3.3 **Local Circuit Switching Capability, including Tandem Switching Capability**

- 3.3.1 Local Circuit Switching Capability is defined as: (A) line-side facilities, which include, but are not limited to, the connection between a loop termination at a main distribution frame and a switch line card; (B) trunk-side facilities, which include, but are not limited to, the connection between trunk termination at a trunk-side cross-connect panel and a switch trunk card; and (C) all features, functions, and capabilities of the switch, which include, but are not limited to: (1)

the basic switching function of connecting lines to lines, line to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to BellSouth's customers, such as a telephone number, white page listings, and dial tone; and (2) all other features that the switch is capable of providing, including but not limited to customer calling, customer local area signalling service features, and Centrex, as well as any technically feasible customized routing functions provided by the switch; (D) switching provided by remote switching modules.

- 3.3.1 Notwithstanding BellSouth's general duty to unbundle local circuit switching, BellSouth shall not unbundle local circuit switching for CLEC-1 when CLEC-1 serves end-users with four (4) or more voice-grade (DS-0) equivalents or lines in locations served by BellSouth's local circuit switches Density Zone 1 in the Nashville MSA;
- 3.3.3 Unbundled Local Switching consists of three separate unbundled elements: unbundled Ports, End Office Switching Functionality and End Office Interoffice Trunk Ports.
- 3.3.4 BellSouth will provide to CLEC-1 customized routing of calls: (i) to a requested directory assistance services platform; (ii) to an operator services platform pursuant to Section 10 ; (iii) for CLEC-1's PIC'ed toll traffic in a two (2) PIC environment to an alternative OS/DA platform designated by CLEC-1. CLEC-1 customers may use the same dialing arrangements as BellSouth customers.
- 3.3.5 BellSouth will provide to CLEC-1 purchasing local BellSouth switching , selective routing of calls to a requested directory assistance services platform or operator services platform as set forth in this Tariff. CLEC-1 customers may use the same dialing arrangements as BellSouth customers, but obtain a CLEC-1 branded service.
- 3.3.6 Technical Requirements
 - 3.3.6.1 Local Switching shall be equal to or better than the requirements for Local Switching set forth in the applicable industry standard technical references.
 - 3.3.6.2 When applicable, BellSouth shall route calls to the appropriate trunk or lines for call origination or termination.
 - 3.3.6.3 Subject to this section, BellSouth shall route calls on a per line or per screening class basis to (1) BellSouth platforms providing Network Elements or additional requirements (2) Operator Services platforms, (3) Directory Assistance platforms, and (4) Repair Centers.
 - 3.3.6.4 BellSouth shall provide unbranded recorded announcements and call progress tones to alert callers of call progress and disposition.

- 3.3.6.5 BellSouth shall activate service for CLEC-1 customer or network interconnection on any of the Local Switching interfaces. This includes provisioning changes to change a customer from BellSouth's services to CLEC-1's services without loss of switch feature functionality as defined in this Tariff.
- 3.3.6.6 BellSouth shall perform routine testing (e.g., Mechanized Loop Tests (MLT) and test calls such as 105, 107 and 108 type calls) and fault isolation on a mutually agreed upon schedule.
- 3.3.6.7 BellSouth shall repair and restore any equipment or any other maintainable component that may adversely impact Local Switching.
- 3.3.6.8 BellSouth shall control congestion points such as those caused by radio station call-ins, and network routing abnormalities. All traffic shall be restricted in a non-discriminatory manner.
- 3.3.6.9 BellSouth shall perform manual call trace and permit customer originated call trace.
- 3.3.6.10 BellSouth shall provide Switching Service Point (SSP) capabilities and signaling software to interconnect the signaling links destined to the Signaling Transfer Point Switch (STPS). These capabilities shall adhere to the technical specifications set forth in the applicable industry standard technical references.
- 3.3.6.11 BellSouth shall provide interfaces to adjuncts through Telcordia standard interfaces. These adjuncts can include, but are not limited to, the Service Circuit Node and Automatic Call Distributors.
- 3.3.6.12 BellSouth shall offer Local Switching that provides feature offerings at parity to those provided by BellSouth to itself or any other Party.
- 3.3.6.13 BellSouth shall offer to CLEC-1 all AIN triggers in connection with its SMS/SCE offering which are supported by BellSouth for offering AIN-based services
- 3.3.6.14 Where capacity exists, BellSouth shall assign each CLEC-1 customer line the class of services designated by CLEC-1 (e.g., using line class codes or other switch specific provisioning methods) and shall route operator calls from CLEC-1 customers to CLEC-1 operators at CLEC-1's option. For example, BellSouth may translate 0- and 0+ intraLATA traffic, and route the call through appropriate trunks to CLEC-1 Operator Services Position System (OSPS). Calls from Local Switching must pass the ANI-II digits unchanged.
- 3.3.6.15 Local Switching shall be offered in accordance with the technical specifications set forth in the applicable industry standard references.
- 3.3.7 Interface Requirements. BellSouth shall provide the following interfaces to loops:

- 3.3.7.1 Standard Tip/Ring interface including loopstart or groundstart, on-hook signaling (e.g., for calling number, calling name and message waiting lamp);
- 3.3.7.2 Coin phone signaling;
- 3.3.7.3 Basic Rate Interface ISDN adhering to appropriate Telcordia Technical Requirements;
- 3.3.7.4 Two-wire analog interface to PBX;
- 3.3.7.5 Four-wire analog interface to PBX;
- 3.3.7.6 Four-wire DS1 interface to PBX or customer provided equipment (e.g. computers and voice response systems);
- 3.3.7.7 Primary Rate ISDN to PBX adhering to ANSI standards Q.931, Q.932 and appropriate Telcordia Technical Requirements;
- 3.3.7.8 Switched Fractional DS1 with capabilities to configure Nx64 channels (where N = 1 to 24); and
- 3.3.7.9 Loops adhering to Telcordia TR-NWT-08 and TR-NWT-303 specifications to interconnect Digital Loop Carriers.
- 3.3.8 BellSouth shall provide access to the following but not limited to:
 - 3.3.8.1 SS7 Signaling Network or Multi-Frequency trunking if requested by CLEC-1;
 - 3.3.8.2 Interface to CLEC-1 operator services systems or Operator Services through appropriate trunk interconnections for the system; and
 - 3.3.8.3 Interface to CLEC-1 Directory Assistance Services through the CLEC-1 switched network or to Directory Assistance Services through the appropriate trunk interconnections for the system; and 950 access or other CLEC-1 required access to interexchange carriers as requested through appropriate trunk interfaces.

3.4 **Tandem Switching**

Tandem Switching is the function that establishes a communications path between two switching offices through a third switching office (the Tandem switch).

3.4.1 Technical Requirements

- 3.4.1.1 Tandem Switching shall have the same capabilities or equivalent capabilities as those described in Telcordia TR-TSY-000540 Issue 2R2, Tandem Supplement, 6/1/90. The requirements for Tandem Switching include, but are not limited to the following:

- 3.4.1.2 Tandem Switching shall provide signaling to establish a tandem connection;
- 3.4.1.3 Tandem Switching will provide screening as jointly agreed to by CLEC-1 and BellSouth;
- 3.4.1.4 Tandem Switching shall provide Advanced Intelligent Network triggers supporting AIN features where such routing is not available from the originating end office switch, to the extent such Tandem switch has such capability;
- 3.4.1.5 Tandem Switching shall provide access to Toll Free number portability database as designated by CLEC-1;
- 3.4.1.6 Tandem Switching shall provide all trunk interconnections discussed under the "Network Interconnection" section (e.g., SS7, MF, DTMF, DialPulse, PRI-ISDN, DID, and CAMA-ANI (if appropriate for 911));
- 3.4.1.7 Tandem Switching shall provide connectivity to PSAPs where 911 solutions are deployed and the tandem is used for 911; and
- 3.4.1.8 Where appropriate, Tandem Switching shall provide connectivity to transit traffic to and from other carriers.
- 3.4.2 Tandem Switching shall accept connections (including the necessary signaling and trunking interconnections) between end offices, other tandems, IXCs, ICOs, CAPs and CLEC-1 switches.
- 3.4.3 Tandem Switching shall provide local tandeming functionality between two end offices including two offices belonging to different CLEC-1s (e.g., between a CLEC-1 end office and the end office of another CLEC-1).
- 3.4.4 Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed.
- 3.4.5 BellSouth shall maintain CLEC-1's trunks and interconnections associated with Tandem Switching at least at parity to its own trunks and interconnections.
- 3.4.6 BellSouth shall control congestion points and network abnormalities. All traffic will be restricted in a non-discriminatory manner.
- 3.4.7 Selective Call Routing through the use of line class codes is not available through the use of tandem switching. Selective Call Routing through the use of line class codes is an end office capability only. Detailed primary and overflow routing plans for all interfaces available within BellSouth's switching network shall be mutually agreed to by CLEC-1 and BellSouth.
- 3.4.8 Tandem Switching shall process originating toll-free traffic received from CLEC-1's local switch.

- 3.4.9 In support of AIN triggers and features, Tandem Switching shall provide SSP capabilities when these capabilities are not available from the Local Switching Network Element, to the extent such Tandem Switch has such capability.
- 3.4.10 Interface Requirements
 - 3.4.10.1 Tandem Switching shall provide interconnection to the E911 PSAP where the underlying Tandem is acting as the E911 Tandem.
 - 3.4.10.2 Tandem Switching shall interconnect, with direct trunks, to all carriers with which BellSouth interconnects.
 - 3.4.10.3 BellSouth shall provide all signaling necessary to provide Tandem Switching with no loss of feature functionality.
 - 3.4.10.4 Tandem Switching shall interconnect with CLEC-1's switch, using two-way trunks, for traffic that is transiting via BellSouth's network to interLATA or intraLATA carriers. At CLEC-1's request, Tandem Switching shall record and keep records of traffic for billing.
 - 3.4.10.5 Tandem Switching shall provide an alternate final routing pattern for CLEC-1's traffic overflowing from direct end office high usage trunk groups.
 - 3.4.10.6 Tandem Switching shall be equal to or better than the requirements for Tandem Switching set forth in the applicable technical references.
- 4.0 **Unbundled Network Element Combinations**
 - 4.1 Unbundled Network Element Combinations shall include: 1) Enhanced Extended Links (EELs); and 2) Loop/Port Combinations.
 - 4.2 BellSouth currently combines network elements when it provides the same combination to itself anywhere in its network. Pursuant to the Authority's orders in Docket No. 97-01262 and Docket No. 99-00430, BellSouth shall provide to CLEC-1 in Tennessee any combination of unbundled network elements that it currently combines. BellSouth does not waive any rights to appeal or otherwise challenge the Authority's directive that BellSouth provide these Combinations.
 - 4.3 **Enhanced Extended Links (EELs)**
 - 4.3.1 Where facilities permit, BellSouth shall offer access to loop and transport combinations, also known as the Enhanced Extended Link ("EEL") as defined below.
 - 4.3.2 BellSouth will provide access to the EEL in the combinations set forth in Section 4.3.3 following. This offering is intended to provide connectivity from an end user's location through that end user's SWC to CLEC-1's POP serving wire

center. The channels on the circuit sufficient to meet the local usage options described in Section 4.3.5 below, must be connected to CLEC-1's switch for the purpose of provisioning telephone exchange service to CLEC-1's end-user customers. The EEL will be connected to CLEC-1's facilities in CLEC-1's collocation space at the POP SWC, or CLEC-1 may purchase BellSouth's access facilities between CLEC-1's POP and CLEC-1's collocation space at the POP SWC.

4.3.3 EEL Combinations

4.3.3.1 2 wire VG Extended Loop with DS1 Dedicated Interoffice Transport

4.3.3.2 4 wire VG Extended Loop with DS1 Dedicated Interoffice Transport

4.3.3.3 4 wire 56 or 64 Kbps Extended Digital Loop with Dedicated DS1 Interoffice Transport

4.3.3.4 Extended 2 wire VG Dedicated Local Channel with Dedicated DS1 Interoffice Transport

4.3.3.5 Extended 4 wire VG Dedicated Local Channel with Dedicated DS1 Interoffice Transport

4.3.3.6 Extended 4 wire DS1 Digital Loop with Dedicated DS1 Interoffice Transport

4.3.4 When combinations of loop and transport network elements include multiplexing, each of the individual DS1 circuits must meet the above criteria.

4.3.5 Special Access Service Conversions

4.3.5.1 CLEC-1 may not convert special access services to combinations of loop and transport network elements, whether or not CLEC-1 self-provides its entrance facilities (or obtains entrance facilities from a third party), unless CLEC-1 uses the combination to provide a significant amount of local exchange service, in addition to exchange access service, to a particular customer. To the extent CLEC-1 requests to convert any special access services to combinations of loop and transport network elements at UNE prices, CLEC-1 shall provide to BellSouth a letter certifying that CLEC-1 is providing a significant amount of local exchange service (as described in this Section) over such combinations. The certification letter shall also indicate under what local usage option CLEC-1 seeks to qualify for conversion of special access circuits. CLEC-1 shall be deemed to be providing a significant amount of local exchange service over such combinations if one of the following options is met:

4.3.5.1.1 CLEC-1 certifies that it is the exclusive provider of an end user's local exchange

service. The loop-transport combinations must terminate at CLEC-1's collocation arrangement in at least one BellSouth central office. This option does not allow loop-transport combinations to be connected to BellSouth's tariffed services. Under this option, CLEC-1 is the end user's only local service provider, and thus, is providing more than a significant amount of local exchange service. CLEC-1 can then use the loop-transport combinations that serve the end user to carry any type of traffic, including using them to carry 100 percent interstate access traffic; or

- 4.3.5.1.2 CLEC-1 certifies that it provides local exchange and exchange access service to the end user customer's premises and handles at least one third of the end user customer's local traffic measured as a percent of total end user customer local dialtone lines; and for DS1 circuits and above, at least 50 percent of the activated channels on the loop portion of the loop-transport combination have at least 5 percent local voice traffic individually, and the entire loop facility has at least 10 percent local voice traffic. When a loop-transport combination includes multiplexing, each of the individual DS1 circuits must meet this criteria. The loop-transport combination must terminate at CLEC-1's collocation arrangement in at least one BellSouth central office. This option does not allow loop-transport combinations to be connected to BellSouth tariffed services; or
- 4.3.5.1.3 CLEC-1 certifies that at least 50 percent of the activated channels on a circuit are used to provide originating and terminating local dialtone service and at least 50 percent of the traffic on each of these local dialtone channels is local voice traffic, and that the entire loop facility has at least 33 percent local voice traffic. When a loop-transport combination includes multiplexing, each of the individual DS1 circuits must meet this criteria. This option does not allow loop-transport combinations to be connected to BellSouth's tariffed services. Under this option, collocation is not required. CLEC-1 does not need to provide a defined portion of the end user's local service, but the active channels on any loop-transport combination, and the entire facility, must carry the amount of local exchange traffic specified in this option.
- 4.3.5.2 In addition, there may be extraordinary circumstances where CLEC-1 is providing a significant amount of local exchange service, but does not qualify under any of the three options set forth herein. In such case, CLEC-1 may petition the FCC for a waiver of the local usage options set forth in the June 2, 2000 Order.
- 4.3.5.3 BellSouth may at its sole discretion audit CLEC-1 records in order to verify the type of traffic being transmitted over combinations of loop and transport network elements. The audit shall be conducted by a third party independent auditor, and CLEC-1 shall be given thirty days written notice of scheduled audit. Such audit shall occur no more than one time in a calendar year, unless results of an audit find noncompliance with the significant amount of local exchange service requirement. In the event of noncompliance, CLEC-1 shall reimburse BellSouth for the cost of the audit. If, based on its audits, BellSouth concludes that CLEC-1 is not providing a significant amount of local exchange traffic over the combinations of

loop and transport network elements, BellSouth may file a complaint with the TRA. In the event that BellSouth prevails, BellSouth may convert such combinations of loop and transport network elements to special access services and may seek appropriate retroactive reimbursement from CLEC-1.

4.3.5.4 CLEC-1 may convert special access circuits to combinations of loop and transport UNEs pursuant to the terms of this Section and subject to the termination provisions in the applicable special access tariffs, if any.

4.3.6 Multiplexing

4.3.6.1 Where multiplexing functionality is required in connection with loop and transport combinations, such multiplexing will be provided at the rates and on the terms set forth in this Tariff.

4.3.7 The non-recurring and recurring rates for the EELs whether currently combined or new, are as set forth in this Tariff.

4.4 **Port/Loop Combinations**

4.4.1 At CLEC-1's request and except as otherwise stated herein, BellSouth shall provide access to combinations of port and loop network elements set forth below. BellSouth shall provide combinations of port and loop network elements on an unbundled basis regardless of whether such combinations are currently combined, except in those locations where BellSouth is not required to provide circuit switching, as set forth in Section 4.4.1.1.

4.4.1.1 In accordance with effective and applicable FCC rules, BellSouth shall not be required to provide circuit switching as an unbundled network element in density Zone 1, as defined in 47 CFR 69.123 as of January 1, 1999 of the Nashville, TN; and to CLEC-1 if CLEC-1's customer has 4 or more DS0 equivalent lines. Therefore BellSouth shall not provide port and loop combinations when said conditions are met.

4.4.2 Combinations of port and loop network elements provide local exchange service for the origination or termination of calls. BellSouth shall make available the following loop and port combinations at the rates set forth in this Tariff.

4.4.3 Combination Offerings

4.4.3.1 2-wire voice grade port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

4.4.3.2 2-wire voice grade DID port, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

- 4.4.3.3 2-wire ISDN Basic Rate Interface, voice grade loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.
- 4.4.3.4 2-wire ISDN Primary Rate Interface, DS1 loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.
- 4.4.3.5 4-wire DS1 Trunk port, DS1 Loop, unbundled end office switching, unbundled end office trunk port, common transport per mile per MOU, common transport facilities termination, tandem switching, and tandem trunk port.

5.0 **Transport and Channelization**

5.1 Transport

5.1.1 Interoffice transmission facility network elements include:

5.1.1.1 Dedicated transport, defined as BellSouth's transmission facilities, is dedicated to a particular customer or carrier that provides telecommunications between wire centers or switches owned by BellSouth, or between wire centers and switches owned by BellSouth and CLEC-1.

5.1.1.2 Common (Shared) transport, defined as transmission facilities shared by more than one carrier, including BellSouth, between end office switches, between end office switches and tandem switches, and between tandem switches, in BellSouth's network.

5.2 BellSouth shall:

5.2.1 Provide CLEC-1 exclusive use of interoffice transmission facilities dedicated to a particular customer or carrier, or shared use of the features, functions, and capabilities of interoffice transmission facilities shared by more than one customer or carrier;

5.2.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that CLEC-1 could use to provide telecommunications services;

5.2.3 Permit, to the extent technically feasible, CLEC-1 to connect such interoffice facilities to equipment designated by CLEC-1, including but not limited to, CLEC-1's collocated facilities; and

5.2.4 Permit, to the extent technically feasible, CLEC-1 to obtain the functionality provided by BellSouth's digital cross-connect systems in the same manner that BellSouth provides such functionality to interexchange carriers.

5.3 **Common (Shared) Transport**

- 5.3.1 Common (Shared) Transport is an interoffice transmission path between two BellSouth end-offices, BellSouth end-office and a local tandem, or between two local tandems. Where BellSouth Network Elements are connected by intra-office wiring, such wiring is provided as a part of the Network Elements and is not Common (Shared) Transport.
- 5.3.2 Technical Requirements of Common (Shared) Transport
- 5.3.2.1 Common (Shared) Transport provided on DS1 or VT1.5 circuits, shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Central Office to Central Office ("CO to CO") connections in the appropriate industry standards.
- 5.3.2.2 BellSouth shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common (Shared) Transport.
- 5.3.2.3 At a minimum, Common (Shared) Transport shall meet all of the requirements set forth in the applicable industry standard technical references.
- 5.4 **Dedicated Transport**
- 5.4.1 Dedicated Transport is defined as BellSouth transmission facilities dedicated to a particular customer or carrier that provide telecommunications between wire centers owned by BellSouth or requesting telecommunications carriers, or between switches owned by BellSouth or requesting telecommunications carriers.
- 5.4.2 Unbundled Local Channel
- 5.4.3 Unbundled Local Channel is the dedicated transmission path between CLEC-1's Point of Presence and the BellSouth Serving Wire Center's collocation.
- 5.4.4 Unbundled Interoffice Channel.
- 5.4.5 Unbundled Interoffice Channel is the dedicated transmission path that provides telecommunication between BellSouth's Serving Wire Centers' collocations.
- 5.4.6 BellSouth shall offer Dedicated Transport in each of the following ways:
- 5.4.6.1 As capacity on a shared UNE facility.
- 5.4.6.2 As a circuit (e.g., DS0, DS1) dedicated to CLEC-1. This circuit shall consist of an Unbundled Local Channel or an Unbundled Interoffice Channel or both.
- 5.4.7 When Dedicated Transport is provided it shall include:
- 5.4.7.1 Transmission equipment such as, line terminating equipment, amplifiers, and regenerators;

- 5.4.7.2 Inter-office transmission facilities such as optical fiber, copper twisted pair, and coaxial cable.
- 5.4.8 Rates for Dedicated Transport are listed in the Price Schedule in this Tariff.
- 5.4.9 Technical Requirements
- 5.4.9.1 This Section sets forth technical requirements for all Dedicated Transport.
- 5.4.9.2 When BellSouth provides Dedicated Transport, the entire designated transmission service (e.g., DS0, DS1) shall be dedicated to CLEC-1 designated traffic.
- 5.4.9.3 BellSouth shall offer Dedicated Transport in all technologies that become available including DS0 and DS1 transport services.
- 5.4.9.4 For DS1 or VT1.5 circuits, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office ("CI to CO") connections in the appropriate industry standards.
- 5.4.9.5 BellSouth shall offer the following interface transmission rates for Dedicated Transport:
- 5.4.9.5.1 DS0 Equivalent;
- 5.4.9.5.2 DS1;
- 5.4.9.5.3 When Dedicated Transport is provided, BellSouth shall design it according to BellSouth's network infrastructure to allow for the termination points specified by CLEC-1.
- 5.4.9.6 At a minimum, Dedicated Transport shall meet each of the requirements set forth in the applicable industry technical references.
- 5.4.9.6.1 BellSouth Technical References:
- 5.4.9.6.2 TR-TSY-000191 Alarm Indication Signals Requirements and Objectives, Issue 1, May 1986.
- 5.4.9.6.3 TR 73501 LightGate[®] Service Interface and Performance Specifications, Issue D, June 1995.
- 5.4.9.6.4 TR 73525 MegaLink[®] Service, MegaLink Channel Service and MegaLink Plus Service Interface and Performance Specifications, Issue C, May 1996.
- 5.5 **Unbundled Channelization**

- 5.5.1 BellSouth agrees to offer access to Unbundled Channelization when available pursuant to following terms and conditions and at the rates set forth in the Price Schedule in this Tariff. Channelization will be offered with both the high and the low speed sides to be connected to collocation.
- 5.5.2 Unbundled Channelization (UC) provides the multiplexing capability that will allow a DS1 (1.544 Mbps) or DS3 (44.736 Mbps) or collocation cross-connect to be multiplexed or channelized at a BellSouth central office. This can be accomplished through the use of a stand-alone multiplexer or a digital cross-connect system at the discretion of BellSouth. Once UC has been installed, CLEC-1 can have channels activated on an as-needed basis by having BellSouth connect lower level UNEs via Central Office Channel Interfaces (COCIs).
- 5.5.3 Channelization capabilities will be as follows:
 - 5.5.3.1 DS3 Channelization System: An element that channelizes a DS3 signal into 28 DS1s.
 - 5.5.3.2 DS1 Channelization System: An element that channelizes a DS1 signal into 24 DS0s.
 - 5.5.3.3 Central Office Channel Interfaces (COCI): Elements that can be activated on a channelization system.
- 5.5.4 Voice Grade and Digital Data Central Office Channel Interfaces can be activated on a DS1 Channelization System.
- 5.5.5 AMI and B8ZS line coding with either Super Frame (SF) and Extended Super Frame (ESF) framing formats will be supported as options.
- 5.5.6 COCI will be billed on the lower level UNE order that is interfacing with the UC arrangement and will have to be compatible with those UNEs.
- 5.5.7 Technical Requirements
 - 5.5.7.1 In order to assure proper operation with BellSouth provided central office multiplexing functionality, the customer's channelization equipment must adhere strictly to form and protocol standards. Separate standards exist for the multiplex channel bank, for voice frequency encoding, for various signaling schemes, and for subrate digital access.
 - 5.5.7.2 DS0 to DS1 Channelization
 - 5.5.7.2.1 The DS1 signal must be framed utilizing the framing structure defined in ANSI T1.107, Digital Hierarchy Formats Specifications and ANSI T1.403.02, DS1 Robbed-bit Signaling State Definitions. DS0 to DS1 Channelization requirements are essential the same as defined in BellSouth Technical Reference 73525,

MegaLink® Service, MegaLink® Channel Service, MegaLink® Plus Service, and MegaLink® Light Service Interface and Performance Specification.

6.0 Selective Routing Utilizing Line Class Codes

6.1 Where CLEC-1 is utilizing BellSouth's unbundled switching:

6.1.1 Unbranding, Custom Branding, and Self Branding require CLEC-1 to order selective routing for each originating BellSouth end office identified by CLEC-1. Rates for Selective Routing are set forth in the Price Schedule in this Tariff. Selective Routing shall be ordered through CLEC-1's account team. The account team will coordinate the provision of the service to CLEC-1.

6.1.2 Custom Branding and Self Branding require CLEC-1 to order dedicated trunking from each BellSouth end office identified by CLEC-1, to either the BellSouth Traffic Operator Position System (TOPS) or CLEC-1 Operator Service Provider. Rates for trunks are set forth in applicable BellSouth tariffs.

6.1.3 Unbranding - Unbranded Directory Assistance and/or Operator Call Processing calls ride common trunk groups provisioned by BellSouth from those end offices identified by CLEC-1 to the BellSouth TOPS. These calls are routed to "No Announcement."

6.2 Where CLEC-1 is utilizing its own switching, all Service Levels (unbranding, custom branding and self branding) require CLEC-1 to order dedicated trunking from their end office(s) point of interface to the BellSouth TOPS Switches. Rates for trunks are set forth in applicable BellSouth tariffs.

6.3 Customized Branding shall require CLEC-1 to pay charges associated with the recording of the branding announcement and the loading of the audio units in each TOPS Switch, Interactive Voice Subsystem (IVS) and Network Applications Vehicle (NAV) equipment for which CLEC-1 requires service.

6.4 Directory Assistance customized branding uses:

6.4.1 the recording of the name;

6.4.2 the front-end loading of the Digital Recorded Announcement Machine (DRAM) in each TOPS switch.

6.4.3 Operator Call Processing customized branding uses:

6.4.4 the recording of the name;

6.4.5 the front-end loading of the DRAM in the TOPS Switch;

- 6.4.6 the back-end loading in the audio units in the Automated Alternate Billing System (AABS) in the Interactive Voice Subsystem (IVS);
- 6.4.7 the 0- automation loading for the audio units in the Enhanced Billing and Access Service (EBAS) in the Network Applications Vehicle (NAV).

7. BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service

- 7.1 The BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service database (herein known as 8XX SCP) is a SCP that contains customer record information and functionality to provide call-handling instructions for 8XX calls. The 8XX SCP IN software stores data downloaded from the national SMS and provides the routing instructions in response to queries from the SSP or tandem. The BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service (herein known as 8XX TFD), utilizes the 8XX SCP to provide identification and routing of the 8XX calls, based on the ten digits dialed. 8XX TFD is provided with or without POTS number delivery, dialing number delivery, and other optional complex features as selected by CLEC-1. BellSouth shall provide 8XX TFD in accordance with the following:

7.2 Technical Requirements

- 7.2.1 BellSouth shall provide CLEC-1 with access to the 8XX record information located in the 8XX SCP. The 8XX SCP contains current records as received from the national SMS and will provide for routing 8XX originating calls based on the dialed ten digit 8XX number.
- 7.2.2 The 8XX SCP is designated to receive and respond to queries using the American National Standard Specification of Signaling System Seven (SS7) protocol. The 8XX SCP shall determine the carrier identification based on all ten digits of the dialed number and route calls to the carrier, POTS number, dialing number and/or other optional feature selected by CLEC-1.
- 7.2.3 The SCP shall also provide, at CLEC-1's option, such additional feature as described in SR-TSV-002275 (BOC Notes on BellSouth Networks, SR-TSV-002275, Issue 2, (Telcordia, April 1994) as are available to BellSouth. These may include but are not limited to:
 - 7.2.3.1 Network Management;
 - 7.2.3.2 Customer Sample Collection; and
 - 7.2.3.3 Service Maintenance.

8. Line Information Database (LIDB)

- 8.1 BellSouth will store in its LIDB only records relating to service in the BellSouth region.
- 8.2 The Line Information Database (LIDB) is a transaction-oriented database accessible through Common Channel Signaling (CCS) networks. It contains records associated with end user Line Numbers and Special Billing Numbers. LIDB accepts queries from other Network Elements and provides appropriate responses. The query originator need not be the owner of LIDB data. LIDB queries include functions such as screening billed numbers that provides the ability to accept Collect or Third Number Billing calls and validation of Telephone Line Number based non-proprietary calling cards. The interface for the LIDB functionality is the interface between BellSouth's CCS network and other CCS networks. LIDB also interfaces to administrative systems.
- 8.3 Technical Requirements
- 8.3.1 BellSouth shall process CLEC-1's Customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions. BellSouth shall indicate to CLEC-1 what additional functions (if any) are performed by LIDB in the BellSouth network.
- 8.3.2 Within two (2) weeks after a request by CLEC-1, BellSouth shall provide CLEC-1 with a list of the customer data items, which CLEC-1 would have to provide in order to support each required LIDB function. The list shall indicate which data items are essential to LIDB function, and which are required only to support certain services. For each data item, the list shall show the data formats, the acceptable values of the data item and the meaning of those values.
- 8.3.3 All additions, updates and deletions of CLEC-1 data to the LIDB shall be solely at the direction of CLEC-1. Such direction from CLEC-1 will not be required where the addition, update or deletion is necessary to perform standard fraud control measures (e.g., calling card auto-deactivation).
- 8.3.4 BellSouth shall provide priority updates to LIDB for CLEC-1 data upon CLEC-1's request (e.g., to support fraud detection), via password-protected telephone card, facsimile, or electronic mail within one hour of notice from the established BellSouth contact.
- 8.3.5 BellSouth shall perform backup and recovery of all of CLEC-1's data in LIDB including sending to LIDB all changes made since the date of the most recent backup copy, in at least the same time frame BellSouth performs backup and recovery of BellSouth data in LIDB for itself. Currently, BellSouth performs backups of the LIDB for itself on a weekly basis and when a new software release is scheduled, a backup is performed prior to loading the new release.

- 8.3.6 BellSouth shall provide CLEC-1 with LIDB reports of data, which are missing or contain errors, as well as any misrouted errors, within a reasonable time period.
- 8.3.7 BellSouth shall prevent any access to or use of CLEC-1 data in LIDB by BellSouth personnel that are outside of established administrative and fraud control personnel, or by any other Party that is not authorized by CLEC-1 in writing.
- 8.3.8 BellSouth shall accept queries to LIDB associated with CLEC-1 customer records, and shall return responses in accordance with industry standards.

8.4 Interface Requirements

- 8.4.1 The CCS interface to LIDB shall be the standard interface. .
- 8.4.2 The LIDB Data Base interpretation of the ANSI-TCAP messages shall comply with industry standard. Global Title Translation shall be maintained in the signaling network in order to support signaling network routing to the LIDB.

9. **Signaling**

- 9.1 BellSouth agrees to offer access to signaling and access to BellSouth's signaling databases subject to compatibility testing. BellSouth may provide mediated access to BellSouth signaling systems and databases. Available signaling elements include signaling links, signal transfer points and service control points. Signaling functionality will be available with both A-link and B-link connectivity.

10. **Signaling Link Transport**

- 10.1 Definition Signaling Link Transport is a set of two or four dedicated 56 Kbps. transmission paths between CLEC-1's designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity.

10.2 Technical Requirements

- 10.2.1 Signaling Link Transport shall consist of full duplex mode 56 kbps transmission paths.
- 10.2.2 Of the various options available, Signaling Link Transport shall perform in the following two ways:
- 10.2.3 As an "A-link" which is a connection between a switch or SCP and a home Signaling Transfer Point Switch (STP) pair; and
- 10.2.4 As a "B-link" which is a connection between two STP pairs in different company networks (e.g., between two STP pairs for two Competitive Local Exchange Carriers (CLEC-1s)).

10.3 Signaling Link Transport shall consist of two or more signaling link layers as follows:

10.3.1 An A-link layer shall consist of two links.

10.3.2 A B-link layer shall consist of four links.

10.4 Interface Requirements

10.4.1 There shall be a DS1 (1.544 Mbps) interface at the CLEC-1 designated SPOIs. Each 56 kbps transmission path shall appear as a DS0 channel within the DS1 interface.

11. **Signaling Transfer Points (STPs)**

11.1 Definition - Signaling Transfer Points is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches (STPs) and their associated signaling links which enable the exchange of SS7 messages among and between switching elements, database elements and signaling transfer point switches.

11.2 Technical Requirements

11.3 STPs shall provide access to Network Elements connected to BellSouth SS7 network. These include:

11.3.1 BellSouth Local Switching or Tandem Switching;

11.3.2 BellSouth Service Control Points/DataBases;

11.3.3 Third-party local or tandem switching;

11.3.4 Third-party-provided STPs.

11.4 The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to the BellSouth SS7 network. This explicitly includes the use of the BellSouth SS7 network to convey messages that neither originate nor terminate at a signaling end point directly connected to the BellSouth SS7 network (i.e., transient messages). When the BellSouth SS7 network is used to convey transient messages, there shall be no alteration of the Integrated Services Digital Network User Part (ISDNUP) or Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message.

11.5 If a BellSouth tandem switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between a CLEC-1 local switch and third party local switch, the BellSouth SS7 network shall convey the TCAP messages that are necessary to

provide Call Management features (Automatic Callback, Automatic Recall, and Screening List Editing) between CLEC-1 local STPs and the STPs that provide connectivity with the third party local switch, even if the third party local switch is not directly connected to BellSouth STPs.

- 11.6 STPs shall provide all functions of the MTP as defined in the applicable industry standard technical references.
- 11.7 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as defined in Telcordia ANSI Interconnection Requirements. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. In cases where the destination signaling point is a CLEC-1 or third party local or tandem switching system directly connected to BellSouth SS7 network, BellSouth shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, BellSouth shall perform intermediate GTT of messages to a gateway pair of STPs in an SS7 network connected with BellSouth SS7 network, and shall not perform SCCP Subsystem Management of the destination. If BellSouth performs final GTT to a CLEC-1 database, then CLEC-1 agrees to provide BellSouth with the Destination Point Code for the CLEC-1 database.
- 11.8 In cases where the destination signaling point is a BellSouth local or tandem switching system or database, or is a CLEC-1 or third party local or tandem switching system directly connected to the BellSouth SS7 network, STPs shall perform MRVT and SRVT to the destination signaling point. In all other cases, STPs shall perform MRVT and SRVT to a gateway pair of STPs in an SS7 network connected with the BellSouth SS7 network. This requirement shall be superseded by the specifications for Internetwork MRVT and SRVT if and when these become approved ANSI standards and available capabilities of BellSouth STPs, and if mutually agreed upon by CLEC-1 and BellSouth.
- 11.9 STPs shall be on parity with BellSouth.
- 11.10 SS7 Advanced Intelligent Network (AIN) Access
 - 11.10.1 When technically feasible and upon request by CLEC-1, SS7 Access shall be made available in association with switching. SS7 AIN Access is the provisioning of AIN 0.1 triggers in an equipped BellSouth local switch and interconnection of the BellSouth SS7 network with the CLEC-1 SS7 network to exchange TCAP queries and responses with a CLEC-1 SCP.
 - 11.10.2 SS7 AIN Access shall provide CLEC-1 SCP access to BellSouth local switch in association with switching via interconnection of BellSouth SS7 and CLEC-1 SS7 Networks. BellSouth shall offer SS7 access through its STPs. If BellSouth requires a mediation device on any part of its network specific to this form of

access, BellSouth must route its messages in the same manner. The interconnection arrangement shall result in the BellSouth local switch recognizing the CLEC-1 SCP as at least at parity with BellSouth's SCP's in terms of interfaces, performance and capabilities.

11.11 Interface Requirements

- 11.11.1 BellSouth shall provide the following STPs options to connect CLEC-1 or CLEC-1-designated local switching systems or STPs to the BellSouth SS7 network:
- 11.11.2 An A-link interface from CLEC-1 local switching systems; and,
- 11.11.3 A B-link interface from CLEC-1 local STPs.
- 11.11.4 Each type of interface shall be provided by one or more sets (layers) of signaling links.
- 11.11.5 The Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where BellSouth STP is located. There shall be a DS1 or higher rate transport interface at each of the SPOIs. Each signaling link shall appear as a DS0 channel within the DS1 or higher rate interface. BellSouth shall offer higher rate DS1 signaling for interconnecting CLEC-1 local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and CLEC-1 will work jointly to establish mutually acceptable SPOIs.
- 11.11.6 BellSouth CO shall provide intraoffice diversity between the SPOIs and BellSouth STPs, so that no single failure of intraoffice facilities or equipment shall cause the failure of both B-links in a layer connecting to a BellSouth STP. BellSouth and CLEC-1 will work jointly to establish mutually acceptable SPOIs.
- 11.12 STPs shall provide all functions of the MTP as defined in the applicable industry standard technical references.
- 11.13 Message Screening
- 11.13.1 BellSouth shall set message screening parameters so as to accept valid messages from CLEC-1 local or tandem switching systems destined to any signaling point within BellSouth's SS7 network where the CLEC-1 switching system has a legitimate signaling relation.
- 11.13.2 BellSouth shall set message screening parameters so as to pass valid messages from CLEC-1 local or tandem switching systems destined to any signaling point or network accessed through BellSouth's SS7 network where the CLEC-1 switching system has a legitimate signaling relationship.

- 11.13.3 BellSouth shall set message screening parameters so as to accept and pass/send valid messages destined to and from CLEC-1 from any signaling point or network interconnected through BellSouth's SS7 network where the CLEC-1 SCP has a legitimate signaling relation.
- 11.13.4 STPs shall be equal to or better than all of the requirements for STPs set forth in the applicable industry standard technical references.

12. **Service Control Points/Databases**

- 12.1 Databases are the Network Elements that provide the functionality for storage of, access to, and manipulation of information required to offer a particular service and/or capability. Databases include, but are not limited to: Local Number Portability, LIDB, Toll Free Number Database, Automatic Location Identification/Data Management System, access to Service Creation Environment and Service Management System (SCE/SMS) application databases.
- 12.2 A Service Control Point (SCP) is a specific type of Database functionality deployed in a Signaling System 7 (SS7) network that executes service application logic in response to SS7 queries sent to it by a switching system also connected to the SS7 network. Service Management Systems provide operational interfaces to allow for provisioning, administration and maintenance of subscriber data and service application data stored in SCPs.
- 12.3 Technical Requirements for SCPs/Databases
 - 12.3.1 Requirements for SCPs/Databases within this section address storage of information, access to information (e.g. signaling protocols, response times), and administration of information (e.g., provisioning, administration, and maintenance). All SCPs/Databases shall be provided to CLEC-1 in accordance with the following requirements.
 - 12.3.2 BellSouth shall provide physical access to SCPs through the SS7 network and protocols with TCAP as the application layer protocol.
 - 12.3.3 BellSouth shall provide physical interconnection to databases via industry standard interfaces and protocols (e.g. SS7, ISDN and X.25).
 - 12.3.4 The reliability of interconnection options shall be consistent with requirements for diversity and survivability.

13. **SS7 Network Interconnection**

- 13.1 SS7 Network Interconnection is the interconnection of CLEC-1 local Signaling Transfer Point Switches (STP) and CLEC-1 local or tandem switching systems with BellSouth STPs. This interconnection provides connectivity that enables the exchange of SS7 messages among BellSouth switching systems and databases

(DBs), CLEC-1 local or tandem switching systems, and other third-party switching systems directly connected to the BellSouth SS7 network.

13.2 Technical Requirements

13.2.1 SS7 Network Interconnection shall provide connectivity to all components of the BellSouth SS7 network. These include:

13.2.1.1 BellSouth local or tandem switching systems;

13.2.1.2 BellSouth DBs; and

13.2.1.3 Other third-party local or tandem switching systems.

13.2.3 The connectivity provided by SS7 Network Interconnection shall fully support the functions of BellSouth switching systems and DBs and CLEC-1 or other third-party switching systems with A-link access to the BellSouth SS7 network.

13.2.4 If traffic is routed based on dialed or translated digits between a CLEC-1 local switching system and a BellSouth or other third-party local switching system, either directly or via a BellSouth tandem switching system, then it is a requirement that the BellSouth SS7 network convey via SS7 Network Interconnection the TCAP messages that are necessary to provide Call Management services (Automatic Callback, Automatic Recall, and Screening List Editing) between the CLEC-1 local STPs and BellSouth or other third-party local switch.

13.2.5 When the capability to route messages based on Intermediate Signaling Network Identifier (ISNI) is generally available on BellSouth STPs, the BellSouth SS7 Network shall also convey TCAP messages using SS7 Network Interconnection in similar circumstances where the BellSouth switch routes traffic based on a Carrier Identification Code (CIC).

13.2.6 SS7 Network Interconnection shall provide all functions of the MTP as specified in ANSI T1.111. This includes:

13.2.6.1 Signaling Data Link functions, as specified in ANSI T1.111.2;

13.2.6.2 Signaling Link functions, as specified in ANSI T1.111.3; and

13.2.6.3 Signaling Network Management functions, as specified in ANSI T1.111.4.

13.2.7 SS7 Network Interconnection shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. Where the destination signaling point is a BellSouth switching system or DB, or is another third-party local or tandem

switching system directly connected to the BellSouth SS7 network, SS7 Network Interconnection shall include final GTT of messages to the destination and SCCP Subsystem Management of the destination. Where the destination signaling point is a CLEC-1 local or tandem switching system, SS7 Network Interconnection shall include intermediate GTT of messages to a gateway pair of CLEC-1 local STPs, and shall not include SCCP Subsystem Management of the destination.

- 13.2.8 SS7 Network Interconnection shall provide all functions of the Integrated Services Digital Network User Part (ISDNUP), as specified in ANSI T1.113.
- 13.2.9 SS7 Network Interconnection shall provide all functions of the TCAP, as specified in ANSI T1.114.
- 13.2.10 If and when Internetwork MTP Routing Verification Test (MRVT) and SCCP Routing Verification Test (SRVT) become approved ANSI standards and available capabilities of BellSouth STPs, SS7 Network Interconnection shall provide these functions of the OMAP.
- 13.2.11 SS7 Network Interconnection shall be equal to or better than the following performance requirements:
 - 13.2.11.1 MTP Performance, as specified in ANSI T1.111.6;
 - 13.2.11.2 SCCP Performance, as specified in ANSI T1.112.5; and
 - 13.2.11.3 ISDNUP Performance, as specified in ANSI T1.113.5.

13.3 Interface Requirements

- 13.3.1 BellSouth shall offer the following SS7 Network Interconnection options to connect CLEC-1 or CLEC-1-designated local or tandem switching systems or STPs to the BellSouth SS7 network:
 - 13.3.1.1 A-link interface from CLEC-1 local or tandem switching systems; and
 - 13.3.1.2 B-link interface from CLEC-1 STPs.
- 13.3.2 The Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the BellSouth STP is located. There shall be a DS1 or higher rate transport interface at each of the SPOIs. Each signaling link shall appear as a DS0 channel within the DS1 or higher rate interface. BellSouth shall offer higher rate DS1 signaling links for interconnecting CLEC-1 local switching systems or STPs with BellSouth STPs as soon as these become approved ANSI standards and available capabilities of BellSouth STPs. BellSouth and CLEC-1 will work jointly to establish mutually acceptable SPOI.

- 14.6 When CLEC-1 selects SCE/SMS AIN Access, BellSouth shall allow CLEC-1 to download data forms and/or tables to BellSouth SCP via BellSouth SMS without intervention from BellSouth (e.g., service customization and end user subscription).
15. **Basic 911 and E911**
- 15.1 If CLEC-1 orders network elements and other services, then CLEC-1 is also responsible for providing E911 to its end users. BellSouth agrees to offer access to the 911/E911 network pursuant to the following terms and conditions set forth in this Tariff.
- 15.2 Basic 911 and E911 is an additional requirement that provides a caller access to the applicable emergency service bureau by dialing a 3-digit universal telephone number (911).
- 15.3 Requirements
- 15.3.1 Basic 911 Service Provisioning. For Basic 911 service, BellSouth will provide to CLEC-1 a list consisting of each municipality that subscribes to Basic 911 service. The list will also provide, if known, the E911 conversion date for each municipality and, for network routing purposes, a ten-digit directory number representing the appropriate emergency answering position for each municipality subscribing to 911. CLEC-1 will be required to arrange to accept 911 calls from its end users in municipalities that subscribe to Basic 911 service and translate the 911 call to the appropriate 10-digit directory number as stated on the list provided by BellSouth. CLEC-1 will be required to route that call to BellSouth at the appropriate tandem or end office. When a municipality converts to E911 service, CLEC-1 will be required to discontinue the Basic 911 procedures and being using E911 procedures.
- 15.3.2 E911 Service Provisioning. For E911 service, CLEC-1 will be required to install a minimum of two dedicated trunks originating from the CLEC-1 serving wire center and terminating to the appropriate E911 tandem. The dedicated trunks shall be, at a minimum, DS-0 level trunks configured either as a 2-wire analog interface or as part of a digital (1.544 Mb/s) interface. Either configuration shall use CAMA-type signaling with multifrequency (“MF”) pulsing that will deliver automatic number identification (“ANI”) with the voice portion of the call. If the user interface is digital, MF pulses, as well as other AC signals, shall be encoded per the u-255 Law convention. CLEC-1 will be required to provide BellSouth daily updates to the E911 database. CLEC-1 will be required to forward 911 calls to the appropriate E911 tandem, along with ANI, based upon the current E911 end office to tandem homing arrangement as provided by BellSouth. If the E911 tandem trunks are not available, CLEC-1 will be required to route the call to a designated 7-digit local number residing in the appropriate Public Service Answering Point (“PSAP”). This call will be transported over BellSouth’s

interoffice network and will not carry the ANI of the calling party. CLEC-1 shall be responsible for providing BellSouth with complete and accurate data for submission to the 911/E911 database for the purpose of providing 911/E911 to its end users.

15.3.3 Rates. Charges for 911/E911 service are borne by the municipality purchasing the service. BellSouth will impose no charge on CLEC-1 beyond applicable charges for BellSouth trunking arrangements.

15.3.4 Basic 911 and E911 functions provided to CLEC-1 shall be at least at parity with the support and services that BellSouth provides to its end users for such similar functionality.

15.3.5 Detailed Practices and Procedures. The detailed practices and procedures contained in the E911 Local Exchange Carrier Guide For Facility-Based Providers and incorporated herein by this reference as amended from time to time during the term of this Tariff and incorporated herein by this reference will determine the appropriate practices and procedures for BellSouth and CLEC-1 to follow in providing 911/E911 services.

16. Operator Call Processing, Inward Operator Services and Directory Assistance Services

16.1 Operator Systems

16.1.1 Definition. Operator Systems provides operator and automated call handling and billing, special services, end user telephone listings and optional call completion services. Operator Systems provides two types of functions: Operator Service functions and Directory Assistance Service functions, each of which is described in detail below.

16.1.2 BellSouth shall only be required to provide Operator Systems at the rates set forth in this Tariff until such time as the Authority issues an order that states that the BellSouth routing solution is functionally adequate and delineates the service areas the compliant routing solution is available to CLEC-1. BellSouth does not waive any rights to appeal or otherwise challenge the Authority's directive that it must provide Operator Systems at the rates set forth in the Price Schedule in this tariff until the Authority has affirmatively stated that BellSouth offers a routing solution that is functionally adequate.

16.1.3 Operator Service

16.1.4 Definition. Operator Service provides: (1) operator handling for call completion (for example, collect, third number billing, and manual credit card calls), (2) operator or automated assistance for billing after the end user has dialed the called number (for example, credit call calls); and (3) special services including but not limited to Busy Line Verification and Emergency Line Interrupt (ELI), Emergency Agency Call, Operator-assisted Directory Assistance, and Rate Quotes.

16.1.5 Requirements

- 16.1.5.1 When providing Operator Services, BellSouth shall:
- 16.1.5.1.1 Complete 0+ and 0- dialed local calls.
 - 16.1.5.1.2 Complete 0+ intraLATA toll calls.
 - 16.1.5.1.3 Process calls that are billed to CLEC-1's end user's calling card that can be validated by BellSouth.
 - 16.1.5.1.4 Complete person-to-person calls.
 - 16.1.5.1.5 Complete collect calls.
 - 16.1.5.1.6 Provide the capability for callers to bill to a third party and complete such calls.
 - 16.1.5.1.7 Complete station-to-station calls.
 - 16.1.5.1.8 Process emergency calls.
 - 16.1.5.1.9 Process ELI requests.
 - 16.1.5.1.10 Process emergency call trace, as it does for its own end users. Calls must originate from a 911 provider.
 - 16.1.5.1.11 Process operator-assisted directory assistance calls.
 - 16.1.5.1.12 Adhere to equal access requirements so to provide CLEC-1 local end users the same IXC access provided to BellSouth end users.
 - 16.1.5.1.13 Exercise at least the same level of fraud control in providing Operator Service to CLEC-1 that BellSouth provides for its own operator service.
 - 16.1.5.1.14 Perform Billed Number Screening when handling Collect, Person-to-Person, and Billed-to-Third Party calls.
 - 16.1.5.1.15 Direct customer account and other similar inquiries to the customer service center designated by CLEC-1.
 - 16.1.5.1.16 Provide a feed of customer call records in "EMI" format to CLEC-1 in accordance with ODUF standards.

16.1.6 Interface Requirements

- 16.1.6.1 With respect to Operator Services for calls that originate on local switching capability provided by or on behalf of CLEC-1, the interface requirements shall conform to the then current established system interface specifications for the platform used to provide Operator Service and the interface shall conform to industry standards.

16.2 Directory Assistance Service

16.2.1 Definition. Directory Assistance Service provides local end user telephone number listings with the option to complete the call at the caller's direction separate and distinct from local switching.

16.2.2 Requirements

16.2.2.1 Directory Assistance Service shall provide up to two listing requests per call. If available and if requested by CLEC-1's end user, BellSouth shall provide caller-optional directory assistance call completion service at rates contained in this Tariff to one of the provided listings. The provision of said completion service shall be equal to that which BellSouth provides to its end users.

16.2.3 Directory Assistance Service Updates

16.2.3.1 BellSouth shall update end user listings changes daily. These changes include:

16.2.3.1.1 New end user connections: BellSouth will provide service to CLEC-1 that is equal to the service it provides to itself and its end users;

16.2.3.1.2 End user disconnections: BellSouth will provide service to CLEC-1 that is equal to the service it provides to itself and its end users.

16.2.3.1.3 End User address changes: BellSouth will provide service to CLEC-1 that is equal to the service it provides to itself and its end users.

16.2.3.1.4 These updates shall also be provided for non-listed and non-published numbers for use in emergencies.

16.3 Directory Assistance Database Service ("DADS")

16.4.1 Directory Assistance ("DA") database contains all customer data in the database used by BellSouth to provide its own DA service and where BellSouth is authorized to include the customer data of a telecommunications carrier in the database available to CLEC-1. BellSouth shall provide access to the DA database in one of two manners.

16.4.2 BellSouth shall make its Directory Assistance Database Service ("DADS") available solely for the expressed purpose of providing Directory Assistance type services to CLEC-1 end users. Directory Assistance type service is defined as a service that allows CLEC-1 end users to obtain the name, telephone numbers and addresses of other subscribers of telecommunications services. CLEC-1 agrees that Directory Assistance Database Service ("DADS") will not be used for any purpose that violates federal or state laws, statutes, regulatory orders or tariffs. Except for the permitted use, CLEC-1 shall not disclose DADS and shall provide due care in providing for the security and confidentiality of DADS. Further,

CLEC-1 authorizes the inclusion of CLEC-1's Directory Assistance listings in the BellSouth Directory Assistance products.

- 16.4.3 BellSouth shall provide CLEC-1 initially with a base file of subscriber listings which reflect all listing change activity occurring since CLEC-1's most recent update via magnetic tape, and subsequently using electronic connectivity such as Network Data Mover to be developed mutually by CLEC-1 and BellSouth. CLEC-1 agrees to assume the costs associated with CONNECT: Direct™ connectivity, which will vary depending upon volume and mileage.
- 16.4.4 BellSouth will require approximately one month after receiving an order to prepare the base file. BellSouth will provide daily updates to CLEC-1 that will reflect listing change activity occurring since CLEC-1's most recent update. BellSouth shall provide updates to CLEC-1 on a business, residence, or combined business and residence basis. CLEC-1 agrees that the updates shall be used solely to keep the information current. Delivery of daily updates will commence the day after CLEC-1 receives the base file.
- 16.4.5 BellSouth is authorized to include CLEC-1 Directory Assistance listing information in its Directory Assistance Database Service. Any other use by BellSouth of CLEC-1 Directory Assistance listing information is not authorized and with the exception of a request for DADS, BellSouth shall refer any request for such information to CLEC-1.
- 16.4.6 BellSouth shall provide to CLEC-1, upon request, via DADs, the names and addresses for BellSouth.
- 16.4.7 CLEC-1 and other telecommunication carriers' subscribers that have unlisted and non-published directory listings. The data files shall contain a special indicator showing that the subscribers account is indicator showing that the subscribers' account is either unlisted or unpublished.
- 16.4.8 Rates for DADS and DADAS are as set forth in this Tariff.
- 16.4.9 Direct Access to Directory Assistance Service ("DADAS") will provide CLEC-1's directory assistance operators with the ability to search all available BellSouth subscriber listings using the Directory Assistance search format. Subscription to DADAS will allow CLEC-1 to utilize its own switch, operator workstations and optional audio subsystems.
- 16.4.10 BellSouth will provide DADAS from its DA location. CLEC-1 will access the DADAS system via BellSouth provided point of availability. CLEC-1 has the responsibility of providing the physical links required to connect to the point of availability. These facilities may be purchased from BellSouth as rates and charges billed separately from the charges associated with this offering.

- 16.4.11 A specified interface to each CLEC-1 subsystem will be provided by BellSouth. Interconnection between CLEC-1's system and a specified BellSouth location will be pursuant to the use of CLEC-1-owned or CLEC-1-leased facilities and shall be appropriate sized based upon the volume of queries being generated by CLEC-1.
- 16.4.12 The specifications for the three interfaces necessary for interconnection are available in the following documents:
- 16.4.13 DADAS to Subscriber Operator Position System – Northern Telecom Document CSI-2300-07; Universal Gateway/Position Message Interface Format Specification;
- 16.4.14 DADAS to Subscriber Switch – Northern Telecom Document Q210-1 Version A107; NTDMS/CCIDAS System Application Protocol; and CLEC-1 Document 250-900-535 Operator Services Position System Listing Service and Application Call Processing Data Link Interface Specification;
- 16.4.15 DADAS to Audio Subsystem (Optional) – Directory One Call Control to Audio Response Unit system interface specifications are available through Northern Telecom as a licensed access protocol – Northern Telecom Document 355-004424 and Gateway/Interactive Voice subsystem Protocol Specification.

PHYSICAL COLLOCATION

1. Scope

- 1.1 Scope. The rates, terms, and conditions contained within this Tariff shall only apply when CLEC-1 is occupying the Collocation Space as a sole occupant or as a Host within a Premises location pursuant to Section 4. This Tariff is applicable to Premises owned or leased by the Company. However, if the Premises occupied by the Company is leased by the Company from a third party, special considerations and intervals may apply in addition to the terms and conditions of this Tariff.

All the rates, terms and conditions set forth in this Tariff pertain to collocation and the provisioning of Collocation Space.

- 1.2 Right to Occupy. Subject to this Tariff, the Company allows CLEC-1 to occupy that certain area designated by the Company within a Company Premises, or on the Company property upon which the the Company Premises is located, of a size which is specified by CLEC-1 and agreed to by the Company (hereinafter "Collocation Space"). The Company Premises include the Company Central Offices and Serving Wire Centers. The necessary rates, terms and conditions for the Company locations other than the Company Premises shall be negotiated upon request for collocation at such location(s).
- 1.2.1 The size specified by CLEC-1 may contemplate a request for space sufficient to accommodate CLEC-1's growth within a two-year period.
- 1.2.2 Neither the Company nor any of the Company's affiliates may reserve space for future use on more preferential terms than those set forth above.
- 1.3 Space Reclamation. In the event of space exhaust within a Central Office Premises, the Company may include in its documentation for the Petition for Waiver filing any unutilized space in the Central Office Premises. CLEC-1 will be responsible for any justification of unutilized space within its space, if such justification is required by the appropriate state commission.
- 1.4 Use of Space. CLEC-1 shall use the Collocation Space for the purposes of installing, maintaining and operating CLEC-1's equipment (to include testing and monitoring equipment) necessary for interconnection with the Company services and facilities, including access to unbundled network elements, for the provision of telecommunications services. The Collocation Space may be used for no other purposes except as specifically described herein or authorized in writing by the Company.
- 1.5 Rates and Charges. CLEC-1 agrees to pay the rates and charges identified in the Price Schedule in this Tariff.

- 1.6 CLEC-1 agrees to comply with all applicable federal, state, county, local and administrative laws, rules, ordinances, regulations and codes in the performance of their obligations hereunder.
- 2. Space Notification**
- 2.1 Availability of Space. Upon submission of an Application pursuant to Section 6, the Company will permit CLEC-1 to physically collocate, pursuant to the terms of this Tariff, at any the Company Premises, unless the Company has determined that there is no space available due to space limitations or that physical collocation is not practical for technical reasons.
- 2.1.1 Availability Notification. The Company will respond to an application within eight (8) business days as to whether space is available or not available within the Company Premises. The Company will also respond as to whether the Application is Bona Fide and if it is not Bona Fide the items necessary to cause the Application to become Bona Fide. If the amount of space requested is not available, the Company will notify CLEC-1 of the amount of space that is available and no Planning Fee shall apply. When the Company's response includes an amount of space less than that requested by CLEC-1 or differently configured, CLEC-1 must resubmit its Application to reflect the actual space available. If there is no readily available space, the Company will so notify CLEC-1 within this eight (8) business day interval and the Company will determine whether space can be made available and will notify CLEC-1 within twenty (20) business days of such notification as to whether space is available or not, in accordance with this section.
- 2.2 Denial of Application. After notifying CLEC-1 that the Company has no available space in the requested Premises ("Denial of Application"), the Company will allow CLEC-1, upon request, to tour the entire Premises within ten (10) calendar days of such Denial of Application. In order to schedule said tour within ten (10) calendar days, the request for a tour of the Premises must be received by the Company within five (5) calendar days of the Denial of Application.
- 2.3 Filing of Petition for Waiver. Upon Denial of Application the Company will timely file a petition with the Commission pursuant to 47 U.S.C. § 251(c)(6). The Company shall provide to the Commission any information requested by that Commission. Such information shall include which space, if any, the Company or any of the Company's affiliates have reserved for future use and a detailed description of the specific future uses for which the space has been reserved. Subject to an appropriate nondisclosure agreement or provision, the Company shall permit CLEC-1 to inspect any floor plans or diagrams that the Company provides to the Commission.
- 2.4 Waiting List. Unless otherwise specified, on a first-come, first-served basis governed by the date of receipt of an Application or a Letter of Intent, the Company will maintain a waiting list of requesting carriers who have either received a Denial of

Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate. The Company will notify the telecommunications carriers on the waiting list when space becomes available according to how much space becomes available and the position of telecommunications carrier on said waiting list. CLEC-1 must submit an updated, complete, and correct Application to the Company within 30 calendar days of such notification or notify the Company in writing within that time that CLEC-1 wants to maintain its place on the waiting list either without accepting such space or accepting an amount of space less than its original request. If CLEC-1 does not submit such an Application or notify the Company in writing as described above, the Company will offer such space to the next CLEC on the waiting list and remove CLEC-1 from the waiting list. Upon request, the Company will advise CLEC-1 as to its position on the list.

- 2.6 Public Notification. the Company will maintain on its Interconnection Services website a notification document that will indicate all Central Offices that are without available space. The Company shall update such document within ten (10) calendar days of the Denial of Application due to Space Exhaust. The Company will also post a document on its Interconnection Services website that contains a general notice where space has become available in a Central Office previously on the space exhaust list. The Company shall allocate said available space pursuant to the waiting list referenced in Section 2.5.

3. Collocation Option

- 3.1 Cages. The Company shall construct enclosures in compliance with CLEC-1's collocation request.
- 3.2 CLEC-1 must provide the local the Company building contact with two Access Keys used to enter the locked enclosure. Except in case of emergency, the Company will not access CLEC-1's locked enclosure prior to notifying CLEC-1.
- 3.3 Shared (Subleased) Caged Collocation. CLEC-1 may allow other telecommunications carriers to share CLEC-1's caged collocation arrangement pursuant to terms and conditions agreed to by CLEC-1 ("Host") and other telecommunications carriers ("Guests") and pursuant to this section, except where the the Company Premises is located within a leased space and the Company is prohibited by said lease from offering such an option. CLEC-1 shall notify the Company in writing upon execution of any agreement between the Host and its Guest within ten (10) calendar days of its execution and prior to any Firm Order. Further, such notice shall include the name of the Guest(s) and the term of the agreement, and shall contain a certification by CLEC-1 that said agreement imposes upon the Guest(s) the same terms and conditions for Collocation Space as set forth in this Tariff between the Company and CLEC-1.

- 3.3.1 CLEC-1, as the host CLEC shall be the sole interface and responsible Party to the Company for the assessment and billing of rates and charges contained within this Tariff; and for the purposes of ensuring that the safety and security requirements of this Tariff are fully complied with by the Guest, its employees and agents. The Company shall prorate the costs of the collocation space based on the number of collocators and the space used by each. In addition to the foregoing, CLEC-1 shall be the responsible party to the Company for the purpose of submitting Applications for initial and additional equipment placement of Guest. In the event the Host and Guest jointly submit an initial Application, only one Planning Fee will be assessed. A separate initial Guest application shall require the assessment of a Subsequent Planning Fee, as set forth in the Price Schedule, if this Application is not the initial Application made for the arrangement. Notwithstanding the foregoing, Guest may arrange directly with the Company for the provision of the interconnecting facilities between the Company and Guest and for the provision of the services and access to unbundled network elements.
- 3.3.2 CLEC-1 shall indemnify and hold harmless the Company from any and all claims, actions, causes of action, of whatever kind or nature arising out of the presence of CLEC-1's Guests in the Collocation Space except to the extent caused by the Company's sole negligence, gross negligence, or willful misconduct.
- 4. Occupancy**
- 4.1 Commencement Date. The "Commencement Date" shall be the day CLEC-1's equipment becomes operational as described in Article 4.2, following.
- 4.2 Occupancy. The Company will notify CLEC-1 in writing that the Collocation Space is ready for occupancy. CLEC-1 must notify the Company in writing that collocation equipment installation is complete and is operational with the Company's network. The Company may, at its option, not accept orders for interconnected service until receipt of such notice. For purposes of this paragraph, CLEC-1's telecommunications equipment will be deemed operational when cross-connected to the Company's network for the purpose of service provision.
- 4.3 Termination of Occupancy. In addition to any other provisions addressing Termination of Occupancy in this Tariff, Termination of Occupancy may occur in the following circumstances:
- 4.3.1 CLEC-1 may terminate occupancy in a particular Collocation Space by submitting a Subsequent Application requesting termination of occupancy.
- 4.3.2 Upon termination of such occupancy, CLEC-1 at its expense shall remove its equipment and other property from the Collocation Space. CLEC-1 shall have thirty (30) calendar days from the termination date to complete such removal, including the removal of all equipment and facilities of CLEC-1's Guests, unless CLEC's guest has assumed responsibility for the collocation space housing the guest equipment and

executed the documentation required by the Company prior to such removal date. CLEC-1 shall continue payment of monthly fees to the Company until such date as CLEC-1 has fully vacated the Collocation Space. Should CLEC-1 or CLEC-1's Guest fail to vacate the Collocation Space within thirty (30) calendar days from the termination date, the Company shall have the right to remove the equipment and other property of CLEC-1 or CLEC-1's Guest at CLEC-1's expense and with no liability for damage or injury to CLEC-1 or CLEC-1's Guest's property unless caused by the gross negligence or intentional misconduct of the Company. Upon termination of CLEC-1's right to occupy Collocation Space, CLEC-1 shall surrender such Collocation Space to the Company in the same condition as when first occupied by CLEC-1 except for ordinary wear and tear, unless otherwise agreed to by the Parties. CLEC-1 shall be responsible for the cost of removing any enclosure, together with all support structures (e.g., racking, conduits), at the termination of occupancy and restoring the grounds to their original condition.

5. Use of Collocation Space

5.1 Equipment Type. The Company permits the collocation of any type of equipment necessary for interconnection to the Company's network or for access to unbundled network elements in the provision of telecommunications services.

5.1.1 Such equipment must at a minimum meet the following BellCore (Telcordia) Network Equipment Building Systems (NEBS) General Equipment Requirements: Criteria Level 1 requirements as outlined in the BellCore (Telcordia) Special Report SR-3580, Issue 1; equipment design spatial requirements per GR-63-CORE, Section 2; thermal heat dissipation per GR-063-CORE, Section 4, Criteria 77-79; acoustic noise per GR-063-CORE, Section 4, Criterion 128, and National Electric Code standards. Except where otherwise required by a Commission, the Company shall comply with the applicable FCC rules relating to denial of collocation based on CLEC-1's failure to comply with this section.

5.1.2 CLEC-1 shall not request more DS0, DS1 and DS3 terminations for a collocation arrangement than the total port or termination capacity of the transmission equipment physically installed in the arrangement. The total capacity of the transmission equipment collocated in the arrangement will include equipment contained in the application in question as well as equipment already placed in the arrangement. Collocated cross-connect devices are not considered transmission equipment. If full network termination capacity of the transmission equipment being installed is not requested in the application, additional network terminations for the installed equipment will require the submission of another application. In the event that CLEC-1 submits an application for terminations that exceed the total capacity of the collocated equipment, CLEC-1 will be informed of the discrepancy and will be required to submit a revision to the application.

- 5.1.3 CLEC-1 shall not use the Collocation Space for marketing purposes nor shall it place any identifying signs or markings in the area surrounding the Collocation Space or on the grounds of the Premises.
- 5.1.4 CLEC-1 shall place a plaque or other identification affixed to CLEC-1's equipment necessary to identify CLEC-1's equipment, including a list of emergency contacts with telephone numbers.
- 5.2 Entrance Facilities. CLEC-1 may elect to place CLEC-1-owned or CLEC-1-leased fiber entrance facilities into the splice location. The Company will designate the point of interconnection in close proximity to the Premises building housing the Collocation Space, such as an entrance manhole or a cable vault which are physically accessible by both Parties. CLEC-1 will provide and place fiber cable at the point of entrance of sufficient length to be pulled through conduit and into the splice location. CLEC-1 will provide and install a sufficient length of fire retardant riser cable, to which the entrance cable will be spliced, which will extend from the splice location to CLEC-1's equipment in the Collocation Space. CLEC-1 must contact the Company for instructions prior to placing the entrance facility cable in the manhole. CLEC-1 is responsible for maintenance of the entrance facilities.
- 5.2.1 Dual Entrance. The Company will provide at least two interconnection points at each Premises where there are at least two such interconnection points available and where capacity exists. Upon receipt of a request for physical collocation under this Tariff, the Company shall provide CLEC-1 with information regarding the Company's capacity to accommodate dual entrance facilities. If conduit in the serving manhole(s) is available and is not reserved for another purpose for utilization within 12 months of the receipt of an application for collocation, the Company will make the requested conduit space available for installing a second entrance facility to CLEC-1's arrangement. The location of the serving manhole(s) will be determined at the sole discretion of the Company. Where dual entrance is not available due to lack of capacity, the Company will so state in the Application Response.
- 5.2.2 Shared Use. CLEC-1 may utilize spare capacity on an existing interconnector entrance facility for the purpose of providing an entrance facility to CLEC-1's collocation arrangement within the same the Company Premises. CLEC-1 must arrange with the Company for the Company to splice the utilized entrance facility capacity to CLEC-1-provided riser cable.
- 5.3 Demarcation Point. The Company will designate the point(s) of demarcation between CLEC-1's equipment and/or network and the Company's network. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point. For connections to the Company's network, the demarcation point shall be a CLEC-1 provided Point of Termination Bay (POT Bay) in a common area within the Premises. CLEC-1 shall be responsible for providing, and a supplier certified by the Company ("CLEC-1's Certified Supplier") shall be responsible for installing and properly labeling, the POT Bay as well as the necessary cabling

between CLEC-1's collocation space and the demarcation point. CLEC-1 or its agent must perform all required maintenance to equipment/facilities on its side of the demarcation point, pursuant to Section 5.4, following, and may self-provision cross-connects that may be required within the Collocation Space to activate service requests.

- 5.4 CLEC-1's Equipment and Facilities. CLEC-1, or if required by this Tariff, CLEC-1's Certified Supplier, is solely responsible for the design, engineering, installation, testing, provisioning, performance, monitoring, maintenance and repair of the equipment and facilities used by CLEC-1 which must be performed in compliance with all applicable the Company policies and guidelines. Such equipment and facilities may include but are not limited to cable(s); equipment; and point of termination connections. CLEC-1 and its selected Certified Supplier must follow and comply with all the Company requirements outlined in the Company's TR 73503, TR 73519, TR 73572, and TR 73564.
- 5.5 The Company's Access to Collocation Space. From time to time T may require access to the Collocation Space. The Company retains the right to access such space for the purpose of making the Company equipment and building modifications (e.g., running, altering or removing racking, ducts, electrical wiring, HVAC, and cables). The Company will give notice to CLEC-1 at least 48 hours before access to the Collocation Space is required. CLEC-1 may elect to be present whenever the Company performs work in the Collocation Space. The Parties agree that CLEC-1 will not bear any of the expense associated with this work.
- 5.6 Access. Pursuant to Section 11, subsequent to Firm Order CLEC-1 shall have access to the Collocation Space twenty-four (24) hours a day, seven (7) days a week. CLEC-1 agrees to provide the name and social security number or date of birth or driver's license number of each employee, contractor, or agents of CLEC-1 or CLEC-1's Guests provided with access keys or devices ("Access Keys") prior to the issuance of said Access Keys. Key acknowledgement forms must be signed by CLEC-1 and returned to the Company Access Management within 15 calendar days of CLEC-1's receipt. Failure to return properly acknowledged forms will result in the holding of subsequent requests until acknowledgements are current. Access Keys shall not be duplicated under any circumstances. CLEC-1 agrees to be responsible for all Access Keys and for the return of all said Access Keys in the possession of CLEC-1 employees, contractors, Guests, or agents after termination of the employment relationship, contractual obligation with CLEC-1 or upon the termination of this Tariff or the termination of occupancy of an individual collocation arrangement.
- 5.6.1 Lost or Stolen Access Keys. CLEC-1 shall notify the Company in writing within 24 hours of becoming aware in the case of lost or stolen Access Keys. Should it become necessary for the Company to re-key buildings or deactivate a card as a result of a lost Access Key(s) or for failure to return an Access Key(s), CLEC-1 shall pay for all reasonable costs associated with the re-keying or deactivating the card.

- 5.7 Interference or Impairment. Notwithstanding any other provisions of this Tariff, CLEC-1 shall not use any product or service provided under this Tariff, any other service related thereto or used in combination therewith, or place or use any equipment or facilities in any manner that 1) significantly degrades, interferes with or impairs service provided by the Company or by any other entity or any person's use of its telecommunications service; 2) endangers or damages the equipment, facilities or other property of the Company or of any other entity or person; 3) compromises the privacy of any communications; or 4) creates an unreasonable risk of injury or death to any individual or to the public. If the Company reasonably determines that any equipment or facilities of CLEC-1 violates the provisions of this paragraph, the Company shall give written notice to CLEC-1, which notice shall direct CLEC-1 to cure the violation within forty-eight (48) hours of CLEC-1's actual receipt of written notice or, at a minimum, to commence curative measures within 24 hours and to exercise reasonable diligence to complete such measures as soon as possible thereafter. After receipt of the notice, the Parties agree to consult immediately and, if necessary, to inspect the arrangement.
- 5.7.1 Except in the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services, if CLEC-1 fails to take curative action within 48 hours or if the violation is of a character which poses an immediate and substantial threat of damage to property, injury or death to any person, or any other significant degradation, interference or impairment of the Company's or another entity's service, then and only in that event the Company may take such action as it deems appropriate to correct the violation, including without limitation the interruption of electrical power to CLEC-1's equipment. The Company will endeavor, but is not required, to provide notice to CLEC-1 prior to taking such action and shall have no liability to CLEC-1 for any damages arising from such action, except to the extent that such action by the Company constitutes willful misconduct.
- 5.7.2 For purposes of this Section 5.7, the term significantly degrade shall mean an action that noticeably impairs a service from a user's perspective. In the case of the deployment of an advanced service which significantly degrades the performance of other advanced services or traditional voice band services and CLEC-1 fails to take curative action within 48 hours then the Company will establish before the relevant Commission that the technology deployment is causing the significant degradation. Any claims of network harm presented to CLEC-1 or, if subsequently necessary, the relevant Commission, must be supported with specific and verifiable information. Where the Company demonstrates that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, CLEC-1 shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services. Where the only degraded service itself is a known disturber, and the newly deployed technology satisfies at least one of the criteria for a presumption that is acceptable for deployment under section 47 C.F.R. 51.230, the degraded service shall not prevail against the newly-deployed technology.

- 5.8 Personalty and its Removal. Facilities and equipment placed by CLEC-1 in the Collocation Space shall not become a part of the Collocation Space, even if nailed, screwed or otherwise fastened to the Collocation Space, but shall retain their status as personal property and may be removed by CLEC-1 at any time. Any damage caused to the Collocation Space by CLEC-1's employees, agents or representatives during the removal of such property shall be promptly repaired by CLEC-1 at its expense.
- 5.9 Alterations. In no case shall CLEC-1 or any person acting on behalf of CLEC-1 make any rearrangement, modification, improvement, addition, repair, or other alteration which could affect in any way space, power, HVAC, and/or safety considerations to the Collocation Space or the the Company Premises without the written consent of the Company, which consent shall not be unreasonably withheld. The cost of any such specialized alterations shall be paid by CLEC-1. Any material rearrangement, modification, improvement, addition, repair, or other alteration shall require a Subsequent Application and a Planning Fee, pursuant to sub-section 6.2.2.
- 5.10 Janitorial Service. CLEC-1 shall be responsible for the general upkeep of the Collocation Space. CLEC-1 shall arrange directly with a Certified Contractor for janitorial services applicable to Caged Collocation Space. The Company shall provide a list of such contractors on a site-specific basis upon request.

6. Ordering and Preparation of Collocation Space

- 6.1 Application for Space. CLEC-1 shall submit an application document when CLEC-1 or CLEC-1's Guest(s), as defined in Section 3.4, desires to request or modify the use of the Collocation Space.
- 6.1.1 Initial Application. For CLEC-1 or CLEC-1's Guest(s) initial equipment placement, CLEC-1 shall submit to the Company a Physical Expanded Interconnection Application Document ("Application"). The Application is Bona Fide when it is complete and accurate, meaning that all required fields on the application are completed with the appropriate type of information. The Bona Fide Application shall contain a detailed description and schematic drawing of the equipment to be placed in CLEC-1's Collocation Space(s) and an estimate of the amount of square footage required.
- 6.1.2 Subsequent Application. In the event CLEC-1 or CLEC-1's Guest(s) desires to modify the use of the Collocation Space, CLEC-1 shall complete an Application detailing all information regarding the modification to the Collocation Space ("Subsequent Application"). The Company shall determine what modifications, if any, to the Premises are required to accommodate the change requested by CLEC-1 in the Application. Such necessary modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, equipment additions, etc. Where the Subsequent Application does not require assessment for provisioning or construction

work by the Company, no Planning Fee will be required. The fee for an Application where the modification requires assessment on behalf of the Company shall be the Planning Fee as set forth in the Price Schedule. The Subsequent Application is Bona Fide when it is complete and accurate, meaning that all required fields on the Application are completed with the appropriate type of information.

- 6.2 Application Response. When space has been determined to be available, the Company will provide a written response ("Application Response"), which will include, at a minimum, the configuration of the space, Entrance Fiber Fee, and the space preparation fees, as described in Section 7.
- 6.3 Application Modifications. If a modification or revision is made to any information in the Bona Fide Application for Physical Collocation, with the exception of modifications to Customer Information, Contact Information or Billing Contact Information, either at the request of CLEC-1 or necessitated by technical considerations, said Application shall be considered a new Application and shall be handled as a new Application for purposes of the provisioning interval and the Company shall charge CLEC-1 a Planning Fee.
- 6.4 Bona Fide Firm Order. CLEC-1 shall indicate its intent to proceed with equipment installation in a Company Premises by submitting a Physical Expanded Interconnection Firm Order document ("Firm Order") to the Company. A Firm Order shall be considered Bona Fide when CLEC-1 has completed the Application/Inquiry process described in Section 6.2, preceding, and has submitted the Firm Order document indicating acceptance of the Application Response provided by the Company. The Bona Fide Firm Order must be received by the Company no later than five (5) business days after the Company's Application Response to CLEC-1's Bona Fide Application.
- 6.5 Construction and Provisioning Interval. the Company will complete construction for collocation arrangements within seventy-six (76) business days from receipt of an Application or as agreed to by the Parties. Under extraordinary conditions, the Company will complete construction for collocation arrangements within ninety-one (91) business days. Examples of extraordinary conditions include, but are not limited to, extended license or permitting intervals; major Company equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. In the event CLEC-1 submits a forecast as described in the following section three (3) months or more prior to the application date, the above intervals shall apply. In the event CLEC-1 submits such a forecast between two (2) months and three (3) months prior to the application date, the above intervals may be extended by one (1) additional month. In the event CLEC-1 submits such a forecast less than two (2) months prior to the application date, the above intervals may be extended by sixty (60) calendar days. The Company will attempt to meet standard intervals for unforecasted requests and any interval adjustments will be discussed with CLEC-1 at the time the

application is received. Raw space, which is space lacking the necessary infrastructure to provide collocation space including but not limited to HVAC, Power, etc.), conversion time frames fall outside the normal intervals and are negotiated on an individual case basis.

- 6.5.1 To be considered a timely and accurate forecast, CLEC-1 must submit to the Company the CLEC Forecast Form, as set forth in Exhibit C attached hereto, containing the following information: Central Office/Service Wire Center CLLI, number of Caged square feet and/or Cageless bays, number of DS0, DS1, DS3 frame terminations, number of fused amps and planned application date.
- 6.6 Joint Planning. Joint planning between the Company and CLEC-1 will commence within a maximum of twenty (20) calendar days from the Company's receipt of a Bona Fide Firm Order. The Company will provide the preliminary design of the Collocation Space and the equipment configuration requirements as reflected in the Bona Fide Application and affirmed in the Bona Fide Firm Order. The Collocation Space completion time period will be provided to CLEC-1 during joint planning.
- 6.7 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications.
- 6.8 Acceptance Walk Through. CLEC-1 will contact the Company within seven (7) days of collocation space being ready to schedule an acceptance walk through of each Collocation Space requested from the Company by CLEC-1. The Company will correct any deviations to CLEC-1's original or jointly amended requirements within seven (7) calendar days after the walk through, unless the Parties jointly agree upon a different time frame.
- 6.9 Use of Certified Supplier. CLEC-1 shall select a supplier which has been approved as a Certified Supplier to perform all engineering and installation work. CLEC-1 and CLEC-1's Certified Supplier must follow and comply with all of the Company's requirements outlined in the Company's TR 73503, TR 73519, TR 73572, and TR 73564. In some cases, CLEC-1 must select separate Certified Suppliers for transmission equipment, switching equipment and power equipment. The Company shall provide CLEC-1 with a list of Certified Suppliers upon request. The Certified Supplier(s) shall be responsible for installing CLEC-1's equipment and components, extending power cabling to the Company power distribution frame, performing operational tests after installation is complete, and notifying the Company's equipment engineers and CLEC-1 upon successful completion of installation, etc. The Certified Supplier shall bill CLEC-1 directly for all work performed for CLEC-1 pursuant to this Tariff and the Company shall have no liability for nor responsibility to pay such charges imposed by the Certified Supplier. The Company shall consider certifying CLEC-1 or any supplier proposed by CLEC-1. All work performed by or for CLEC-1 shall conform to generally accepted industry guidelines and standards.

- 6.10 Alarm and Monitoring. The Company shall place environmental alarms in the Premises for the protection of the Company's equipment and facilities. CLEC-1 shall be responsible for placement, monitoring and removal of environmental and equipment alarms used to service CLEC-1's Collocation Space. Upon request, the Company will provide CLEC-1 with applicable tariffed service(s) to facilitate remote monitoring of collocated equipment by CLEC-1. Both Parties shall use best efforts to notify the other of any verified environmental hazard known to that Party.
- 6.11 Virtual to Physical Collocation Relocation. In the event physical Collocation Space was previously denied at a location due to technical reasons or space limitations, and that physical Collocation Space has subsequently become available, CLEC-1 may relocate its virtual collocation arrangements to physical collocation arrangements and pay the appropriate fees for physical collocation and for the rearrangement or reconfiguration of services terminated in the virtual collocation arrangement, as outlined in the appropriate Company tariffs. In the event that the Company knows when additional space for physical collocation may become available at the location requested by CLEC-1, such information will be provided to CLEC-1 in the Company's written denial of physical collocation. To the extent that (i) physical Collocation Space becomes available to CLEC-1 within 180 calendar days of the Company's written denial of CLEC-1's request for physical collocation, (ii) the Company had knowledge that the space was going to become available, and (iii) CLEC-1 was not informed in the written denial that physical Collocation Space would become available within such 180 calendar days, then CLEC-1 may transition its virtual collocation arrangement to a physical collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual collocation. CLEC-1 must arrange with a Certified Supplier for the relocation of equipment from its virtual Collocation Space to its physical Collocation Space and will bear the cost of such relocation.
- 6.12 Cancellation. If, at anytime prior to space acceptance, CLEC-1 cancels its order for the Collocation Space(s), the Company will bill the applicable non recurring rate for any and all work processes for which work has begun.
- 6.13 Licenses. CLEC-1, at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses necessary or required to operate as a provider of telecommunications services to the public or to occupy the Collocation Space.
- 6.14 Environmental Compliance. The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified as Exhibit B attached hereto.

7. Rates and Charges

- 7.1 The Company shall assess a Planning Fee via a service order which shall be issued at the time the Company responds that space is available pursuant to section 2.1.

Payment of said Planning Fee will be due as dictated by CLEC-1's current billing cycle and is non-refundable.

- 7.8 **Power.** The Company shall make available -48 Volt (-48V) DC power for CLEC-1's Collocation Space.
- 7.8.1 Recurring charges for -48V DC power consumption will be assessed per ampere per month based upon the engineered and installed power feed fused ampere capacity. Rates include redundant feeder fuse positions (A&B) and common cable rack to CLEC-1's equipment or space enclosure CLEC-1 shall contract with a Certified Supplier who will be responsible for the following: dedicated power cable support structure within CLEC-1's arrangement and terminations of cable within the collocation space.
- 7.8.2 Non recurring charges for -48V DC power distribution will be based on the common power feeder cable support structure between the the Company BDFB and CLEC-1's arrangement area.
- 7.9 **Other.** If no rate is identified in this Tariff, the rate for the specific service or function will be negotiated by the Parties upon request by either Party.

8. Insurance

- 8.1 CLEC-1 shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section 8 and underwritten by insurance companies licensed to do business in the states applicable under this Tariff and having a Best's Insurance Rating of A-.
- 8.2 CLEC-1 shall maintain the following specific coverage:
 - 8.2.1 Commercial General Liability coverage in the amount of ten million dollars (\$10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars (\$10,000,000.00). The Company shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.
 - 8.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars (\$100,000.00) each accident, one hundred thousand dollars (\$100,000.00) each employee by disease, and five hundred thousand dollars (\$500,000.00) policy limit by disease.
 - 8.2.3 All Risk Property coverage on a full replacement cost basis insuring all of CLEC-1's real and personal property situated on or within the Company's Central Office location(s).

- 8.2.4 CLEC-1 may elect to purchase business interruption and contingent business interruption insurance, having been advised that the Company assumes no liability for loss of profit or revenues should an interruption of service occur.
- 8.3 The limits set forth in Section 8.2 above may be increased by the Company from time to time during the term of this Tariff upon thirty (30) days notice to CLEC-1 to at least such minimum limits as shall then be customary with respect to comparable occupancy of the Company structures.
- 8.4 All policies purchased by CLEC-1 shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by the Company. All insurance must be in effect on or before the date equipment is delivered to the Company's Premises and shall remain in effect for the term of this Tariff or until all CLEC-1's property has been removed from the Company's Premises, whichever period is longer. If CLEC-1 fails to maintain required coverage, the Company may pay the premiums thereon and seek reimbursement of same from CLEC-1.
- 8.5 CLEC-1 shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Collocation Space. Failure to meet this interval may result in construction and equipment installation delays. CLEC-1 shall arrange for the Company to receive thirty (30) business days' advance notice of cancellation from CLEC-1's insurance company. CLEC-1 shall forward a certificate of insurance and notice of cancellation/non-renewal to the Company at the following address:
- BellSouth Telecommunications, Inc.
Attn.: Risk Management Coordinator
17H53 BellSouth Center
675 W. Peachtree Street
Atlanta, Georgia 30375
- 8.6 CLEC-1 must conform to recommendations made by the Company's fire insurance company to the extent the Company has agreed to, or shall hereafter agree to, such recommendations.
- 8.7 Self-Insurance. If CLEC-1's net worth exceeds five hundred million dollars (\$500,000,000), CLEC-1 may elect to request self-insurance status in lieu of obtaining any of the insurance required in Sections 8.2.1 and 8.2.2. CLEC-1 shall provide audited financial statements to the Company thirty (30) days prior to the commencement of any work in the Collocation Space. The Company shall then review such audited financial statements and respond in writing to CLEC-1 in the event that self-insurance status is not granted to CLEC-1. If the Company approves CLEC-1 for self-insurance, CLEC-1 shall annually furnish to the Company, and keep current, evidence of such net worth that is attested to by one of CLEC-1's corporate officers. The ability to self-insure shall continue so long as the CLEC-1 meets all of the requirements of this Section. If the CLEC-1 subsequently no longer satisfies this

Section, CLEC-1 is required to purchase insurance as indicated by Sections 8.2.1 and 8.2.2.

- 8.8 The net worth requirements set forth in Section 8.7 may be increased by the Company from time to time during the term of this Tariff upon thirty (30) days' notice to CLEC-1 to at least such minimum limits as shall then be customary with respect to comparable occupancy of the Company structures.
- 8.9 Failure to comply with the provisions of this Section will be deemed a material breach of this Tariff.

9. Mechanics Liens

- 9.1 If any mechanics lien or other liens shall be filed against property of either Party (the Company or CLEC-1), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

10. Inspections

- 10.1 The Company may conduct an inspection of CLEC-1's equipment and facilities in the Collocation Space(s) prior to the activation of facilities between CLEC-1's equipment and equipment of the Company. The Company may conduct an inspection if CLEC-1 adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. The Company shall provide CLEC-1 with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by the Company.

11. Security and Safety Requirements

- 11.1 Security shall be as set forth in the interconnection agreement between CLEC-1 and Company, to the extent that the security requirements that are at parity with those that the Company imposes upon itself. If the security requirements are not at parity with those that the Company imposes upon itself, the Parties shall negotiate such requirements and such requirements shall conform to the Authority's decision in

Docket No. 00-00079, Interconnection Agreement Negotiations Between AT&T Communications of the South Central States, Inc. TCG MidSouth, Inc. and BellSouth Telecommunications, Inc. Pursuant to 47 U.S.C. § 252. Only the Company employees, Certified Contractors and authorized employees, authorized Guests, pursuant to Section 3.4, preceding, or authorized agents of CLEC-1 will be permitted in the Company Premises. CLEC-1 shall provide its employees and agents with picture identification that must be worn and visible at all times while in the Collocation Space or other areas in or around the Premises. The photo Identification card shall bear, at a minimum, the employee's name and photo, and the CLEC-1 name. The Company reserves the right to remove from its premises any employee of CLEC-1 not possessing identification issued by CLEC-1 or who have violated any of the Company's policies as outlined in the CLEC Security Training documents. CLEC-1 shall hold the Company harmless for any damages resulting from such removal of its personnel from the Company premises. CLEC-1 shall be solely responsible for ensuring that any Guest of CLEC-1 is in compliance with all subsections of this Section 11.

- 11.1.1 At the Company's request, CLEC-1 shall promptly remove from the Company's Premises any employee of CLEC-1 the Company does not wish to grant access to its premises 1) pursuant to any investigation conducted by the Company or 2) prior to the initiation of an investigation in the event that an employee of CLEC-1 is found interfering with the property or personnel of the Company or another CLEC, provided that an investigation shall promptly be commenced by the Company.
- 11.2 Notification to the Company. The Company reserves the right to interview CLEC-1's employees, agents, or contractors in the event of wrongdoing in or around the Company's property or involving the Company's or another CLEC's property or personnel, provided that the Company shall provide reasonable notice to CLEC-1's Security contact of such interview. CLEC-1 and its contractors shall reasonably cooperate with the Company's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving CLEC-1's employees, agents, or contractors. Additionally, the Company reserves the right to bill CLEC-1 for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is established and mutually agreed in good faith that CLEC-1's employees, agents, or contractors are responsible for the alleged act. The Company shall bill CLEC-1 for the Company property which is stolen or damaged where an investigation determines the culpability of CLEC-1's employees, agents, or contractors and where CLEC-1 agrees, in good faith, with the results of such investigation. CLEC-1 shall notify the Company in writing immediately in the event that the CLEC discovers one of its employees already working on the the Company premises is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from the Company Premises, any employee found to have violated the security and safety requirements of this section. CLEC-1 shall hold the Company

harmless for any damages resulting from such removal of its personnel from the Company premises.

- 11.3 Use of Supplies. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.
- 11.4 Use of Official Lines. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the the Company Premises. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs.
- 11.5 Accountability. Full compliance with the Security requirements of this section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

12. Destruction of Collocation Space

- 12.1 In the event a Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for CLEC-1's permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate occupancy of the damaged Collocation Space, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof. If the Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for CLEC-1's permitted use, or is damaged and the option to terminate is not exercised by either Party, the Company covenants and agrees to proceed promptly without expense to CLEC-1, except for improvements not the property of the Company, to repair the damage. The Company shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government regulations, strikes, walkouts, and causes beyond the control of the Company, which causes shall not be construed as limiting factors, but as exemplary only. CLEC-1 may, at its own expense, accelerate the rebuild of its collocated space and equipment provided however that a Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a Certified Vendor. If CLEC-1's acceleration of the project increases the cost of the project, then those additional charges will be incurred by CLEC-1. Where allowed and where practical, CLEC-1 may erect a temporary facility while the Company rebuilds or makes repairs. In all cases where the Collocation Space shall be rebuilt or repaired, CLEC-1 shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Collocation Space for CLEC-1's permitted use, until such Collocation Space is fully repaired and restored and CLEC-

1's equipment installed therein (but in no event later than thirty (30) business days after the Collocation Space is fully repaired and restored).

13. Eminent Domain

- 13.1 If the whole of a Collocation Space shall be taken by any public authority under the power of eminent domain, then this Tariff shall terminate with respect to such Collocation Space as of the day possession shall be taken by such public authority and rent and other charges for the Collocation Space shall be paid up to that day with proportionate refund by the Company of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Collocation Space shall be taken under eminent domain, the Company and CLEC-1 shall each have the right to terminate this Tariff with respect to such Collocation Space and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

14. Nonexclusivity

- 14.1 CLEC-1 understands that this Tariff is not exclusive and that the Company may enter into similar agreements with other Parties. Assignment of space pursuant to all such agreements shall be determined by space availability and made on a first come, first served basis.

ENVIRONMENTAL AND SAFETY PRINCIPLES

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

1. GENERAL PRINCIPLES

- 1.1 Compliance with Applicable Law. The Company and CLEC-1 agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Tariff.
- 1.2 Notice. The Company and CLEC-1 shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. CLEC-1 should contact 1-800-743-6737 for the Company MSDS sheets.
- 1.3 Practices/Procedures. The Company may make available additional environmental control procedures for CLEC-1 to follow when working at a Company Premises (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of the Company for environmental protection. CLEC-1 will require its contractors, agents and others accessing the The Company Premises to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by CLEC when operating in the Company Premises.
- 1.4 Environmental and Safety Inspections. The Company reserves the right to inspect the CLEC-1 space with proper notification. The Company reserves the right to stop any CLEC-1 work operation that imposes Imminent Danger to the environment, employees or other persons in the area or Facility.
- 1.5 Hazardous Materials Brought On Site. Any hazardous materials brought into, used, stored or abandoned at the Company Premises by CLEC-1 are owned by CLEC-1. CLEC-1 will indemnify the Company for claims, lawsuits or damages to persons or property caused by these materials. Without prior written Company approval, no substantial new safety or environmental hazards can be created by CLEC-1 or

different hazardous materials used by CLEC-1 at the Company Facility. CLEC-1 must demonstrate adequate emergency response capabilities for its materials used or remaining at the the Company Facility.

- 1.6 Spills and Releases. When contamination is discovered at the Company Premises, the Party discovering the condition must notify the Company. All Spills or Releases of regulated materials will immediately be reported by CLEC-1 to the Company.
- 1.7 Coordinated Environmental Plans and Permits. The Company and CLEC-1 will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, the Company and CLEC-1 will develop a cost sharing procedure. If the Company's permit or EPA identification number must be used, CLEC-1 must comply with all of the Company's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.
- 1.8 Environmental and Safety Indemnification. The Company and CLEC-1 shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on the Company's Premises, CLEC-1 agrees to comply with the applicable sections of the current issue of the Company's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. CLEC-1 further agrees to cooperate with the Company to ensure that CLEC-1's employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of the Company's Environmental M&Ps which apply to the specific Environmental function being performed by CLEC-1, its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from the Company.

ENVIRONMENTAL CATEGORIES	ENVIRONMENTAL ISSUES	ADDRESSED BY THE FOLLOWING DOCUMENTATION
Disposal of hazardous	Compliance with all applicable	• Std T&C 450

material or other regulated material (e.g., batteries, fluorescent tubes, solvents & cleaning materials)	local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	• Fact Sheet Series 17000 • Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Emergency response	Hazmat/waste release/spill firesafety emergency	• Fact Sheet Series 1700 • Building Emergency Operations Plan (EOP) (specific to and located on Premises)
Contract labor/outsourcing for services with environmental implications to be performed on the Company Premises (e.g., disposition of hazardous material/waste; maintenance of storage tanks)	Compliance with all applicable local, state, & federal laws and regulations Performance of services in accordance with BST's environmental M&Ps Insurance	• Std T&C 450 • Std T&C 450-B • (Contact E/S for copy of appropriate E/S M&Ps.) • Std T&C 660
Transportation of hazardous material	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	• Std T&C 450 • Fact Sheet Series 17000 • Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Maintenance/operations work which may produce a waste Other maintenance work	Compliance with all application local, state, & federal laws and regulations Protection of BST employees and equipment	• Std T&C 450 • 29CFR 1910.147 (OSHA Standard) • 29CFR 1910 Subpart O (OSHA Standard)
Janitorial services	All waste removal and disposal must conform to all applicable federal, state and local regulations All Hazardous Material and Waste Asbestos notification and	• P&SM Manager - Procurement • Fact Sheet Series 17000 • GU-BTEN-001BT, Chapter 3

	protection of employees and equipment	• BSP 010-170-001BS (Hazcom)
Manhole cleaning	Compliance with all applicable local, state, & federal laws and regulations Pollution liability insurance EVET approval of contractor	• Std T&C 450 • Fact Sheet 14050 • BSP 620-145-011PR Issue A, August 1996 • Std T&C 660-3 • Approved Environmental Vendor List (Contact E/S Management)
Removing or disturbing building materials that may contain asbestos	Asbestos work practices	• GU-BTEN-001BT, Chapter 3

3. DEFINITIONS

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

Imminent Danger. Any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

4. ACRONYMS

E/S – Environmental/Safety

EVET - Environmental Vendor Evaluation Team

DEC/LDEC - Department Environmental Coordinator/Local Department Environmental Coordinator

GU-BTEN-001BT - the Company Environmental Methods and Procedures

NESC - National Electrical Safety Codes

P&SM - Property & Services Management

Std. T&C - Standard Terms & Conditions

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ACCESS TO NUMBERS AND NUMBER PORTABILITY

1. Non-Discriminatory Access to Telephone Numbers

- 1.1 CLEC-1 shall contact the North American Numbering Plan Administrator, Neustar, for the assignment of numbering resources. In order to be assigned a Central Office Code, CLEC-1 will be required to complete the Central Office Code (NXX) Assignment Request and Confirmation Form (Code Request Form) in accordance with Industry Numbering Committee's Central Office Code (NXX) Assignment Guidelines (INC 95-0407-008).

2. Number Portability Permanent Solution

- 2.1 End User Line Charge. Recovery of charges associated with implementing Permanent Number Portability (PNP) through a monthly charge assessed to end users has been authorized by the FCC. This end user line charge will be as filed in BellSouth's FCC Tariff No. 1 and will be billed to CLEC-1 where it is a subscriber to local switching. This charge will not be discounted.
- 2.1.1 BellSouth and CLEC-1 will adhere to the process flows and cutover guidelines outlined in the LNP Reference Guide accessible via the Internet at the following site: <http://www.interconnection.bellsouth.com> and incorporated herein by this reference.
- 2.1.1.1 Both Companies shall cooperate in the process of porting numbers from one carrier to another so as to limit service outage for the ported subscriber. BellSouth will set LRN unconditional or 10-digit triggers where applicable which should ensure no interruption to the end user. Where triggers are set, BellSouth removes the ported number at the same time the trigger is removed.
- 2.1.1.1.1 Trigger orders refer to a service order issued in advance of the porting of a number utilizing PNP that provides the following: initiates call queries to the AIN SS7 network in advance of the number being ported; and provides for the CLEC to be in control of when a number ports to the new service provider.
- 2.1.1.2 For porting of numbers where triggers are not set, the Companies shall coordinate the porting of the number between service providers so as to minimize service interruptions to the end user.
- 2.1.1.3 BellSouth will provide ordering support for CLEC-1's PNP requests Monday through Friday 8:00 AM until 8:00 PM EST. Ordering and provisioning support required by CLEC-1 outside of these hours will be considered outside of normal business hours and will be subject to overtime billing. For stand alone PNP where LRN unconditional or 10-digit triggers are set, CLEC may port numbers during times that are supported by NPAC 24 hours a day 7 days a week. BellSouth will provide maintenance assistance to CLEC 24 hours a day 7 days a week to resolve

issues arising from the porting of numbers for problems isolated to the BellSouth network.

3. Service Provider Number Portability

3.1 Definition. Where BellSouth's end office is not equipped to provide PNP, BellSouth shall provide Service Provider Number Portability ("SPNP"). SPNP is an interim service arrangement whereby an end user who switches subscription of his local exchange service from BellSouth to a CLEC, or vice versa, is permitted to retain the use of his existing assigned telephone number, provided that the end user remains at the same location for his local exchange service or changes locations and service providers but stays within the same serving wire center of his existing number.

3.2 Methods of Providing Number Portability. SPNP is available through either remote call forwarding or direct inward dialing trunks, at the election of CLEC-1. Remote call forwarding (SPNP-RCF) is an existing switch-based BellSouth service that redirects calls within the telephone network. Direct inward dialing trunks (SPNP-DID) allow calls to be routed over a dedicated facility to the CLEC-1 switch that serves the subscriber. Route-Indexing, Portability Hub (RI-PH) will route a dialed call to the BellSouth switch associated with the NXX of the dialed number.

3.3 Signaling Requirements. SS7 Signaling is required for the provision of SPNP services. SPNP-DID is available from BellSouth on a per DS0, DS1, or DS3 basis. Where SPNP-DID is technically feasible and is provided on a DS1 or a DS3 basis, the applicable channelization rates are those specified in Section E6 in BellSouth's Intrastate Access Tariffs, incorporated herein by this reference. SPNP is available only for basic local exchange service.

3.4 Rates

Rates for SPNP are set out in Price Schedule in this Tariff. If no rate is identified in the contract, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

4. SPNP Implementation

4.1 SPNP is available only where a CLEC or BellSouth is currently providing, or will begin providing concurrent with provision of SPNP, basic local exchange service to the affected end user. SPNP for a particular telephone number is available only from the central office originally providing local exchange service to the end user. SPNP for a particular assigned telephone number will be disconnected when any end user, Commission, BellSouth, or CLEC initiated activity (*e.g.*, a change in exchange boundaries) would normally result in a telephone number change had the end user retained his initial local exchange service.

- 4.2 SPNP-RCF, as contemplated by this Agreement, is a telecommunications service whereby a call dialed to an SPNP-RCF equipped telephone number is automatically forwarded to an assigned seven- or ten- digit telephone number within the local calling area as defined in BellSouth's General Subscriber Services Tariff. The forwarded-to number shall be specified by the CLEC or BellSouth, as appropriate. The forwarding Party will provide identification of the originating telephone number, via SS7 signaling, to the receiving Party. Identification of the originating telephone number to the SPNP-RCF end user cannot be guaranteed, however. SPNP-RCF provides a single call path for the forwarding of no more than one simultaneous call to the receiving Party's specified forwarded-to number.
- 4.3 SPNP-DID service, as contemplated by this Agreement, provides trunk side access to end office switches for direct inward dialing to the other Party's premises equipment from the telecommunications network to lines associated with the other Party's switching equipment and must be provided on all trunks in a group arranged for inward service. A SPNP-DID trunk termination charge, provided with SS7 Signaling only, applies for each trunk voice grade equivalent. In addition, direct facilities are required from the end office where a ported number resides to the end office serving the ported end user customer. The rates for a switched local channel and switched dedicated transport apply as contained in BellSouth's Intrastate Access Services tariff, as said tariff is amended from time to time. Transport mileage will be calculated as the airline distance between the end office where the number is ported and the Point of Interface ("POI") using the V&H coordinate method. SPNP-DID must be established with a minimum configuration of two channels and one unassigned telephone number per switch, per arrangement for control purposes. Transport facilities arranged for SPNP-DID may not be mixed with any other type of trunk group, with no outgoing calls placed over said facilities. SPNP-DID will be provided only where such facilities are available and where the switching equipment of the ordering Party is properly equipped. Where SPNP-DID service is required from more than one wire center or from separate trunk groups within the same wire center, such service provided from each wire center or each trunk group within the same wire center shall be considered a separate service. Only customer-dialed sent-paid calls will be completed to the first number of a SPNP-DID number group; however, there are no restrictions on calls completed to other numbers of a SPNP-DID number group. Interface group arrangements provided for terminating the switched transport at the Party's terminal location are as set forth in of BellSouth's Intrastate Access Services Tariff, § E6.1.3.A as amended from time to time.
- 4.3.1.1 SPNP-DID Service requires ordering consecutive telephone numbers in blocks of twenty. To order non-consecutive telephone numbers or telephone numbers in less than blocks of twenty, the NBR process must be used. SS7 Signaling is required for the provision of either of these services.

- 4.4 BellSouth shall provide RI-PH on an individual telephone number basis. BellSouth switch shall insert a prefix onto the dialed number that identifies how the call is to be routed to CLEC. The prefixed dialed number is then transmitted to the BellSouth tandem switch to which CLEC is connected. The prefix is removed by the operation of the tandem switch and the dialed number is routed to CLEC switch so that the routing of the call can be completed by CLEC. Should BellSouth determine a more efficient manner of performing this function, it may proceed in that manner. RI-PH may use, where technically feasible, the same trunks as those used for exchange of other Local Traffic with BellSouth. The trunks shall employ SS7 signaling.
- 4.5 The calling Party shall be responsible for payment of the applicable charges for sent-paid calls to the SPNP number. For collect, third-party, or other operator-assisted non-sent paid calls to the ported telephone number, BellSouth or the CLEC shall be responsible for the payment of charges under the same terms and conditions for which the end user would have been liable for those charges. Either Party may request that the other block collect and third party non-sent paid calls to the SPNP-assigned telephone number. If a Party does not request blocking, the other Party will provide itemized local usage detail for the billing of non-sent paid calls on the monthly bill of usage charges provided at the individual end user account level. The detail will include itemization of all billable usage. Each Party shall have the option of receiving this usage data on a daily basis via a data file transfer arrangement. This arrangement will utilize the existing industry uniform standard, known as EMR standards, for exchange of billing data. Files of usage data will be created daily for the optional service. Usage originated and recorded in the sending BellSouth RAO will be provided in unrated or rated format, depending on processing system. CLEC usage originated elsewhere and delivered via CMDS to the sending BellSouth RAO shall be provided in rated format.
- 4.5 Each Party shall be responsible for obtaining authorization from the end user for the handling of the disconnection of the end user's service, the provision of new local service and the provision of SPNP services. Each Party shall be responsible for coordinating the provision of service with the other to assure that its switch is capable of accepting SPNP ported traffic. Each Party shall be responsible for providing equipment and facilities that are compatible with the other's service parameters, interfaces, equipment and facilities and shall be required to provide sufficient terminating facilities and services at the terminating end of an SPNP call to adequately handle all traffic to that location and shall be solely responsible to ensure that its facilities, equipment and services do not interfere with or impair any facility, equipment, or service of the other Party or any of its end users. In the event that either Party determines in its reasonable judgment that the other Party will likely impair or is impairing, or interfering with any equipment, facility or service or any of its end users, that Party may either refuse to provide SPNP service or may terminate SPNP service to the other Party after providing appropriate notice.
- 4.6 Each Party shall be responsible for providing an appropriate intercept announcement service for any telephone numbers subscribed to SPNP services for which it is not

presently providing local exchange service or terminating to an end user. Where either Party chooses to disconnect or terminate any SPNP service, that Party shall be responsible for designating the preferred standard type of announcement to be provided.

- 4.7 Each Party shall be the other Party's single point of contact for all repair calls on behalf of each Party's end user. Each Party reserves the right to contact the other Party's customers if deemed necessary for maintenance purposes.
- 4.8 Neither Party shall be responsible for adverse effects on any service, facility or equipment from the use of SPNP services. End-to-end transmission characteristics may vary depending on the distance and routing necessary to complete calls over SPNP facilities and the fact that another carrier is involved in the provisioning of service. Therefore, end-to-end transmission characteristics cannot be specified by either Party for such calls. Neither Party shall be responsible to the other if any necessary change in protection criteria or in any of the facilities, operation, or procedures of either renders any facilities provided by the other Party obsolete or renders necessary modification of the other Party's equipment.
- 4.9 For terminating IXC traffic ported to either Party which requires use of either Party's tandem switching, the tandem provider will bill the IXC tandem switching, the interconnection charge, and a portion of the transport, and the other Party will bill the IXC local switching, the carrier common line and a portion of the transport. If the tandem provider is unable to provide the necessary access records to permit the other Party to bill the IXC directly for terminating access to ported numbers, then the tandem provider will bill the IXC full terminating switched access charges at the tandem provider's rate and will compensate the other Party at the tandem Party's tariff rates via a process used by BellSouth to estimate the amount of ported switched access revenues due the other Party. If an intraLATA toll call is delivered, the delivering Party will pay terminating access rates to the other Party. This subsection does not apply in cases where SPNP-DID is utilized for number portability.

5. Transition to Permanent Number Portability

- 5.1 Once a PNP is implemented in an end office both Parties must withdraw their SPNP offerings. The transition from existing SPNP arrangements to PNP shall occur within one hundred twenty (120) days from the date PNP is implemented in the end office. Neither Party shall charge the other Party for conversion from SPNP to PNP. The Parties shall comply with any SPNP/PNP transition processes established by the FCC and the Authority and appropriate industry number portability work groups.

Notwithstanding the foregoing, the Parties acknowledge that the FCC has determined once LNP has been deployed pursuant to the FCC's orders, rules and regulations, that all local exchange carriers (LECs) have the duty to provide LNP. Therefore, either Party, at any time, may seek appropriate legal or regulatory relief concerning the transition from INP to LNP or other related issues.

PRE-ORDERING, ORDERING AND PROVISIONING, MAINTENANCE AND REPAIR

1. Quality of Pre-Ordering, Ordering and Provisioning, Maintenance and Repair

- 1.1 BellSouth shall provide pre-ordering, ordering, provisioning and maintenance and repair services to CLEC-1 that are equivalent to the pre-ordering, ordering and provisioning and maintenance and repair services BellSouth provides to itself or any other CLEC, where technically feasible. The guidelines for pre-ordering, ordering and provisioning and maintenance and repair are set forth in the various guides and business rules, as appropriate, and as they are amended from time to time during this Agreement. The guides and business rules may be referenced at the following site and by this reference are incorporated herein:

<http://www.interconnection.bellsouth.com>.

- 1.2 BellSouth's regular working hours for provisioning are defined as follows:

Monday – Friday – 8:00 a.m. – 5:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated,
coordinated orders and order
coordinated-time specific)
Saturday - 8:00 a.m. – 5:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated
orders)

The above hours represent the hours, either Eastern or Central Time, of where the physical work is being performed.

- 1.2.1 It is understood and agreed that BellSouth technicians involved in provisioning service to CLEC-1 may work shifts outside of BellSouth's regular working hours as defined above. To the extent that CLEC-1 requests that work necessarily required in the provisioning of service to be performed outside BellSouth's regular working hours and that work is performed by a BellSouth technician during his or her scheduled shift such that BellSouth does not incur any additional costs in performing the work on behalf of CLEC-1, BellSouth will not assess CLEC-1 additional charges beyond the rates and charges specified in this Tariff.
- 1.3 All other CLEC-1 requests for provisioning and installation services are considered outside of the normal hours of operation and may be performed subject to the application of overtime billing charges.

2. **Miscellaneous Ordering and Provisioning Guidelines**

- 2.1 Pending Orders. To ensure the most efficient use of facilities and resources, orders placed in the hold or pending status by CLEC-1 will be held for a maximum of thirty (30) days from the date the order is placed on hold. After such time, if CLEC-1 wishes to reinstate an order, CLEC-1 may be required to submit a new service order.
- 2.2 Single Point of Contact. CLEC-1 will be the single point of contact with BellSouth for ordering activity for network elements and other services purchased pursuant to this Tariff and used by CLEC-1 to provide services to its End Users, except that BellSouth may accept an order directly from another CLEC, or BellSouth, acting with authorization of the affected End User. CLEC-1 and BellSouth shall each execute a blanket letter of authorization with respect to customer orders. The Companies shall each be entitled to adopt their own internal processes for verification of customer authorization for orders, provided, however, that such processes shall comply with applicable state and federal law including, until superseded, the FCC guidelines and orders applicable to Presubscribed Interexchange Carrier (PIC) changes including Un-PIC. Pursuant to such an order, BellSouth may disconnect any network element associated with the service to be disconnected and being used by CLEC-1 to provide service to that end user and reuse such network elements or facilities to enable such other LEC to provide service to the end user. BellSouth will notify CLEC-1 that such an order has been processed, but will not be required to notify CLEC-1 in advance of such processing.
- 2.3 Use of Facilities. When a customer of a CLEC-1 elects to discontinue service and transfer service to another local exchange carrier, including BellSouth, BellSouth shall have the right to reuse the facilities provided to CLEC-1 by BellSouth for retail or resale service, loop and/or port for that customer. In addition, BellSouth may disconnect and reuse facilities when the facility is in a denied state and where BellSouth has received an order to establish new service or transfer of service from a customer or a customer's CLEC at the same address served by the denied facility.
- 2.3.1 Upon receipt of a service order, BellSouth will do the following:
- 2.3.1.1 Process disconnect and reconnect orders to provision the service which shall be due dated using current interval guidelines.
- 2.3.1.2 Reuse the serving facility for the retail, resale service, or network element at the same location.
- 2.3.1.3 Notify CLEC-1 after the disconnect order has been completed.
- 2.4 Release of Facilities. When an End User of CLEC-1 or BellSouth elects to change his/her carrier to the other Company, the Company providing service shall

release the subscriber's service to the other Company concurrent with the due date of the service order, which shall be established based on the standard interval for the subscriber's requested service as set forth in the BellSouth Product and Services Interval Guide, incorporated in this Tariff by this reference.

- 2.5 Contact Numbers. BellSouth and CLEC-1 shall provide one another with toll-free nation-wide (50 states) contact numbers for the purpose of ordering, provisioning and maintenance of services.
- 2.6 Subscription Functions. In cases where BellSouth performs subscription functions for an inter-exchange carrier (i.e. PIC and LPIC changes via Customer Account Record Exchange (CARE)), BellSouth will provide the affected inter-exchange carriers with the Operating Company Number (OCN) of the local provider for the purpose of obtaining end user billing account and other end user information required under subscription requirements.
- 2.7 Cancellation Charges. If CLEC-1 cancels an order for network elements or other services, any costs incurred by BellSouth in conjunction with the provisioning of that order will be recovered in accordance with FCC No. 1 Tariff, Section 5.
- 2.8 Expedite Charges. For expedited requests by CLEC-1, expedited charges will apply for intervals less than the standard interval as outlined in the BellSouth Product and Services Interval Guide. The charges as outlined in BellSouth's FCC No. 1 Tariff, Section 5, will apply.

BILLING

1. Payment and Billing Arrangements

- 1.1 **Billing.** BellSouth agrees to provide billing through the Carrier Access Billing System (CABS) and through the Customer Records Information System (CRIS) depending on the particular service(s). BellSouth will bill and record in accordance with this Tariff those charges CLEC-1 incurs as a result of CLEC-1 purchasing from BellSouth Network Elements and Other Services as set forth in this Tariff. BellSouth will format all bills in CBOS Standard or CLUB/EDI format, depending on the type of service ordered. For those services where standards have not yet been developed, BellSouth's billing format will change as necessary when standards are finalized by the industry forum.
- 1.2 **Master Account.** After receiving certification as a local exchange company from the TRA, CLEC-1 will provide the appropriate BellSouth account manager the necessary documentation to enable BellSouth to establish a master account for Local Interconnection, Network Elements and Other Services. Such documentation shall include the Application for Master Account, proof of authority to provide telecommunications services, an Operating Company Number (OCN) assigned by the National Exchange Carriers Association (NECA), Carrier Identification Code (CIC), Group Access Code (GAC), Access Customer Name and Abbreviation (ACNA) and a tax exemption certificate, if applicable.
- 1.3 **Payment Responsibility.** Payment of all charges will be the responsibility of CLEC-1. CLEC-1 shall make payment to BellSouth for all services billed. BellSouth is not responsible for payments not received by CLEC-1 from CLEC-1's customer. BellSouth will not become involved in billing disputes that may arise between CLEC-1 and CLEC-1's customer. Payments made to BellSouth as payment on account will be credited to an accounts receivable master account and not to an end user's account.
- 1.4 **Payment Due.** The payment will be due on or before the next bill date (i.e., same date in the following month as the bill date) and is payable in immediately available funds. Payment is considered to have been made when received by BellSouth.
- If the payment due date falls on a Sunday or on a Holiday which is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If the payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday. If payment is not received by the payment due date, a late payment penalty, as set forth in Section 1.6, below, shall apply.
- 1.5 **Tax Exemption.** Upon proof of tax exempt certification from CLEC-1, the total amount billed to CLEC-1 will not include those taxes or fees for which the CLEC

is exempt. CLEC-1 will be solely responsible for the computation, tracking, reporting and payment of all taxes and like fees associated with the services provided to the end user of CLEC-1.

- 1.6 Late Payment. If any portion of the payment is received by BellSouth after the payment due date as set forth preceding, or if any portion of the payment is received by BellSouth in funds that are not immediately available to BellSouth, then a late payment penalty shall be due to BellSouth. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor and will be applied on a per bill basis. The late factor shall be as set forth in Section B2 of the BellSouth Tennessee Private Line Service Tariff . CLEC-1 will be charged a fee for all returned checks as set forth in Section A2 of the General Subscriber Services Tariff or pursuant to the applicable state law.
- 1.7 Discontinuing Service to CLEC-1. The procedures for discontinuing service to CLEC-1 are as follows:
 - 1.7.1 BellSouth reserves the right to suspend or terminate service for nonpayment of services or in the event of prohibited, unlawful or improper use of BellSouth facilities or service or any other violation or noncompliance by CLEC-1 of the rules and regulations contained in BellSouth's tariffs.
 - 1.7.2 If payment of account is not received by the bill date in the month after the original bill date, BellSouth may provide written notice to CLEC-1 that utilization of access to BellSouth's preordering and ordering systems; OSS additional applications for service will be refused; and that any pending orders for service will not be completed if payment is not received by the fifteenth day following the date of the notice. In addition, BellSouth may, at the same time, give thirty (30) days notice to CLEC-1 at the billing address to discontinue the provision of existing services to CLEC-1 at any time thereafter.
 - 1.7.3 In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due.
 - 1.7.4 If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and CLEC-1's noncompliance continues, nothing contained herein shall preclude BellSouth's right to discontinue the provision of the services to CLEC-1 without further notice.
 - 1.7.5 If payment is not received or satisfactory arrangements made for payment by the date given in the written notification, CLEC-1's services will be discontinued. Upon discontinuance of service on CLEC-1's account, service to CLEC-1's end users will be denied. BellSouth will reestablish service at the request of the end user or CLEC-1 for BellSouth to reestablish service upon payment of the appropriate connection fee and subject to BellSouth's normal application procedures. CLEC-1 is solely responsible for notifying the end user of the

proposed service disconnection. If within fifteen (15) days after an end user's service has been denied and no arrangements to reestablish service have been made consistent with this subsection, the end user's service will be disconnected.

- 1.8 Deposit Policy. When purchasing services from BellSouth, CLEC-1 will be required to complete the BellSouth Credit Profile and provide information regarding credit worthiness. Based on the results of the credit analysis, BellSouth reserves the right to secure the account with a suitable form of security deposit. Such security deposit shall take the form of cash, an Irrevocable Letter of Credit (BellSouth form), Surety Bond (BellSouth form) or, in its sole discretion, some other form of security. Any such security deposit shall in no way release CLEC-1 from its obligation to make complete and timely payments of its bill. Such security shall be required prior to the inauguration of service. If, in the sole opinion of BellSouth, circumstances so warrant and/or gross monthly billing has increased beyond the level initially used to determine the level of security, BellSouth reserves the right to request additional security and/or file a Uniform Commercial Code (UCC1) security interest in CLEC-1's "accounts receivables and proceeds." Interest on a security deposit, if provided in cash, shall accrue and be paid in accordance with the terms in the appropriate BellSouth tariff.

2. Billing Disputes

- 2.1 Billing disputes shall be handled pursuant to the terms of this section.

- 2.1.1 Each Party agrees to notify the other Party in writing upon the discovery of a billing dispute. In the event of a billing dispute, the Parties will endeavor to resolve the dispute within sixty (60) calendar days of the notification date.

- 2.2 If a Party disputes a charge and does not pay such charge by the payment due date, or if a payment or any portion of a payment is received by either Party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other Party, then a late payment penalty shall be assessed. For bills rendered by either Party for payment, the late payment charge for both Parties shall be calculated based on the portion of the payment not received by the payment due date times the late factor as set forth in the following BellSouth tariffs: for services purchased from the General Subscribers Services Tariff for purposes of resale and for ports and non-designed loops, Section A2 of the General Subscriber Services Tariff; for services purchased from the Private Line Tariff for purposes of resale, Section B2 of the Private Line Service Tariff; and for network elements and other services and local interconnection charges, Section E2 of the Access Service Tariff. In no event, however, shall interest be assessed by either Party on any previously assessed late payment charges. The Parties shall assess interest on previously assessed late payment charges only in a state where it has the authority pursuant to its tariffs.

3. Optional Daily Usage File

- 3.1 Upon written request from CLEC-1, BellSouth will provide the Optional Daily Usage File (ODUF) service to CLEC-1 pursuant to the terms and conditions set forth in this section.
- 3.2 CLEC-1 shall furnish all relevant information required by BellSouth for the provision of the ODUF.
- 3.3 The Optional Daily Usage Feed will contain billable messages that were carried over the BellSouth Network and processed in the BellSouth Billing System, but billed to a CLEC-1 customer.
- 3.4 Charges for delivery of the ODUF will appear on CLEC-1s' monthly bills. The charges are as set forth in the Price Schedule of this Tariff.
- 3.5 The Optional Daily Usage Feed will contain both rated and unrated messages. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format.
- 3.6 Messages that error in the billing system of CLEC-1 will be the responsibility of CLEC-1. If, however, CLEC-1 should encounter significant volumes of errored messages that prevent processing by CLEC-1 within its systems, BellSouth will work with CLEC-1 to determine the source of the errors and the appropriate resolution.
- 3.7 The following specifications shall apply to the Optional Daily Usage Feed.
- 3.7.1 Usage To Be Transmitted
- 3.7.1.1 The following messages recorded by BellSouth will be transmitted to CLEC-1:
- Message recording for per use/per activation type services (examples: ` Three -Way Calling, Verify, Interrupt, Call Return, etc.)
 - Measured billable Local
 - Directory Assistance messages
 - IntraLATA Toll
 - WATS and 800 Service
 - N11
 - Information Service Provider Messages
 - Operator Services Messages

- Operator Services Message Attempted Calls (Network Element only)
- Credit/Cancel Records
- Usage for Voice Mail Message Service

3.7.1.2 Rated Incollects (originated in BellSouth and from other companies) can also be on ODUF. Rated Incollects will be intermingled with BellSouth recorded rated and unrated usage. Rated Incollects will not be packed separately.

3.7.1.3 BellSouth will perform duplicate record checks on records processed to ODUF. Any duplicate messages detected will be deleted and not sent to CLEC-1.

3.7.1.4 In the event that CLEC-1 detects a duplicate on ODUF they receive from BellSouth, CLEC-1 will drop the duplicate message (CLEC-1 will not return the duplicate to BellSouth).

3.7.2 Physical File Characteristics

3.7.2.1 ODUF will be distributed to CLEC-1 via an agreed medium with CONNECT:Direct being the preferred transport method. The Daily Usage Feed will be a variable block format (2476) with an LRECL of 2472. The data on the Daily Usage Feed will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis (Monday through Friday except holidays). Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN.

3.7.2.2 Data circuits (private line or dial-up) may be required between BellSouth and CLEC-1 for the purpose of data transmission. Where a dedicated line is required, CLEC-1 will be responsible for ordering the circuit, overseeing its installation and coordinating the installation with BellSouth. CLEC-1 will also be responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit successfully ongoing will be negotiated on a case by case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to CLEC-1. Additionally, all message toll charges associated with the use of the dial circuit by CLEC-1 will be the responsibility of CLEC-1. Associated equipment on the BellSouth end, including a modem, will be negotiated on a case by case basis between the Parties. All equipment, including modems and software, that is required on CLEC-1's end for the purpose of data transmission will be the responsibility of CLEC-1.

3.7.3 Packing Specifications

- 3.7.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack.
- 3.7.3.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to CLEC-1 which BellSouth RAO that is sending the message. BellSouth and CLEC-1 will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by CLEC-1 and resend the data as appropriate.
- The data will be packed using ATIS EMI records.
- 3.7.4 Pack Rejection
- 3.7.4.1 CLEC-1 will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI Error Codes will be used. CLEC-1 will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to CLEC-1 by BellSouth.
- 3.7.5. Control Data
- 3.7.5.1 CLEC-1 will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate CLEC-1 received the pack and the acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by CLEC-1 for reasons stated in the above section.
- 3.7.6 Testing
- 3.7.6.1 Upon request from CLEC-1, BellSouth shall send test files to CLEC-1 for ODUF. The Parties agree to review and discuss the file's content and/or format. For testing of usage results, BellSouth shall request that CLEC-1 set up a production (LIVE) file. The live test may consist of CLEC-1's employees making test calls for the types of services CLEC-1 requests on ODUF. These test calls are logged by CLEC-1, and the logs are provided to BellSouth. These logs will be used to verify the files. Testing will be completed within 30 calendar days from the date on which the initial test file was sent.

1.0 DISASTER RECOVERY PLAN

In the event of a disaster occurring that affects BellSouth's long-term ability to deliver traffic to a Competitive Local Exchange Carrier (CLEC), general procedures have been developed to hasten the recovery process. Since each location is different and could be affected by an assortment of potential problems, a detailed recovery plan is impractical. However, in the process of reviewing recovery activities for specific locations, some basic procedures emerge that appear to be common in most cases.

These general procedures should apply to any disaster that affects the delivery of traffic for an extended time period. Each CLEC will be given the same consideration during an outage and service will be restored as quickly as possible.

This document will cover the basic recovery procedures that would apply to every CLEC.

2.0 SINGLE POINT OF CONTACT

When a problem is experienced, regardless of the severity, the BellSouth Network Management Center (NMC) will observe traffic anomalies and begin monitoring the situation. Controls will be appropriately applied to insure the sanity of BellSouth's network; and, in the event that a switch or facility node is lost, the NMC will attempt to circumvent the failure using available reroutes.

BellSouth's NMC will remain in control of the restoration efforts until the problem has been identified as being a long-term outage. At that time, the NMC will contact BellSouth's Emergency Control Center (ECC) and relinquish control of the recovery efforts. Even though the ECC may take charge of the situation, the NMC will continue to monitor the circumstances and restore traffic as soon as damaged network elements are revitalized.

The telephone number for the BellSouth Network Management Center in Atlanta, as published in Telcordia's National Network Management Directory, is 404-321-2516.

3.0 IDENTIFYING THE PROBLEM

During the early stages of problem detection, the NMC will be able to tell which CLECs are affected by the catastrophe. Further analysis and/or first hand observation will determine if the disaster has affected CLEC equipment only; BellSouth equipment only or a combination. The initial restoration activity will be largely determined by the equipment that is affected.

Once the nature of the disaster is determined and after verifying the cause of the problem, the NMC will initiate reroutes and/or transfers that are jointly agreed upon by the affected CLECs' Network Management Center and the BellSouth NMC. The type and percentage of controls used will depend upon available network capacity. Controls necessary to

stabilize the situation will be invoked and the NMC will attempt to re-establish as much traffic as possible.

For long term outages, recovery efforts will be coordinated by the Emergency Control Center (ECC). Traffic controls will continue to be applied by the NMC until facilities are re-established. As equipment is made available for service, the ECC will instruct the NMC to begin removing the controls and allow traffic to resume.

3.1 SITE CONTROL

In the total loss of building use scenario, what likely exists will be a smoking pile of rubble. This rubble will contain many components that could be dangerous. It could also contain any personnel on the premises at the time of the disaster. For these reasons, the local fire marshal with the assistance of the police will control the site until the building is no longer a threat to surrounding properties and the companies have secured the site from the general public.

During this time, the majority owner of the building should be arranging for a demolition contractor to mobilize to the site with the primary objective of reaching the cable entrance facility for a damage assessment. The results of this assessment would then dictate immediate plans for restoration, both short term and permanent.

In a less catastrophic event, i.e., the building is still standing and the cable entrance facility is usable, the situation is more complex. The site will initially be controlled by local authorities until the threat to adjacent property has diminished. Once the site is returned to the control of the companies, the following events should occur.

An initial assessment of the main building infrastructure systems (mechanical, electrical, fire and life safety, elevators, and others) will establish building needs. Once these needs are determined, the majority owner should lead the building restoration efforts. There may be situations where the site will not be totally restored within the confines of the building. The companies must individually determine their needs and jointly assess the cost of permanent restoration to determine the overall plan of action.

Multiple restoration trailers from each company will result in the need for designated space and installation order. This layout and control is required to maximize the amount of restoration equipment that can be placed at the site, and the priority of placements.

Care must be taken in this planning to insure other restoration efforts have logistical access to the building. Major components of telephone and building equipment will need to be removed and replaced. A priority for this equipment must also be jointly established to facilitate overall site restoration. (Example: If the AC switchgear has sustained damage, this would be of the highest priority in order to regain power, lighting, and HVAC throughout the building.)

If the site will not accommodate the required restoration equipment, the companies would then need to quickly arrange with local authorities for street closures, rights of way or other possible options available.

3.2 ENVIRONMENTAL CONCERNS

In the worse case scenario, many environmental concerns must be addressed. Along with the police and fire marshal, the state environmental protection department will be on site to monitor the situation.

Items to be concerned with in a large central office building could include:

1. Emergency engine fuel supply. Damage to the standby equipment and the fuel handling equipment could have created "spill" conditions that have to be handled within state and federal regulations.
2. Asbestos containing materials that may be spread throughout the wreckage. Asbestos could be in many components of building, electrical, mechanical, outside plant distribution, and telephone systems.
3. Lead and acid. These materials could be present in potentially large quantities depending upon the extent of damage to the power room.
4. Mercury and other regulated compounds resident in telephone equipment.
5. Other compounds produced by the fire or heat.

Once a total loss event occurs at a large site, local authorities will control immediate clean up (water placed on the wreckage by the fire department) and site access.

At some point, the companies will become involved with local authorities in the overall planning associated with site clean up and restoration. Depending on the clean up approach taken, delays in the restoration of several hours to several days may occur.

In a less severe disaster, items listed above are more defined and can be addressed individually depending on the damage.

In each case, the majority owner should coordinate building and environmental restoration as well as maintain proper planning and site control.

4.0 THE EMERGENCY CONTROL CENTER (ECC)

The ECC is located in the Colonnade Building in Birmingham, Alabama. During an emergency, the ECC staff will convene a group of pre-selected experts to inventory the damage and initiate corrective actions. These experts have regional access to BellSouth's

personnel and equipment and will assume control of the restoration activity anywhere in the nine-state area.

In the past, the ECC has been involve with restoration activities resulting from hurricanes, ice storms and floods. They have demonstrated their capabilities during these calamities as well as during outages caused by human error or equipment failures. This group has an excellent record of restoring service as quickly as possible.

During a major disaster, the ECC may move emergency equipment to the affected location, direct recovery efforts of local personnel and coordinate service restoration activities with the CLECs. The ECC will attempt to restore service as quickly as possible using whatever means is available; leaving permanent solutions, such as the replacement of damaged buildings or equipment, for local personnel to administer.

Part of the ECC's responsibility, after temporary equipment is in place, is to support the NMC efforts to return service to the CLECs. Once service has been restored, the ECC will return control of the network to normal operational organizations. Any long-term changes required after service is restored will be made in an orderly fashion and will be conducted as normal activity.

5.0 RECOVERY PROCEDURES

The nature and severity of any disaster will influence the recovery procedures. One crucial factor in determining how BellSouth will proceed with restoration is whether or not BellSouth's equipment is incapacitated. Regardless of who's equipment is out of service, BellSouth will move as quickly as possible to aid with service recovery; however, the approach that will be taken may differ depending upon the location of the problem.

5.1 CLEC OUTAGE

For a problem limited to one CLEC (or a building with multiple CLECs), BellSouth has several options available for restoring service quickly. For those CLECs that have agreements with other CLECs, BellSouth can immediately start directing traffic to a provisional CLEC for completion. This alternative is dependent upon BellSouth having concurrence from the affected CLECs.

Whether or not the affected CLECs have requested a traffic transfer to another CLEC will not impact BellSouth's resolve to re-establish traffic to the original destination as quickly as possible.

5.2 BELL SOUTH OUTAGE

Because BellSouth's equipment has varying degrees of impact on the service provided to the CLECs, restoring service from damaged BellSouth equipment is different. The

outage will probably impact a number of Carriers simultaneously. However, the ECC will be able to initiate immediate actions to correct the problem.

A disaster involving any of BellSouth's equipment locations could impact the CLECs, some more than others. A disaster at a Central Office (CO) would only impact the delivery of traffic to and from that one location, but the incident could affect many Carriers. If the Central Office is a Serving Wire Center (SWC), then traffic from the entire area to those Carriers served from that switch would also be impacted. If the switch functions as an Access Tandem, or there is a tandem in the building, traffic from every CO to every CLEC could be interrupted. A disaster that destroys a facility hub could disrupt various traffic flows, even though the switching equipment may be unaffected.

The NMC would be the first group to observe a problem involving BellSouth's equipment. Shortly after a disaster, the NMC will begin applying controls and finding re-routes for the completion of as much traffic as possible. These reroutes may involve delivering traffic to alternate Carriers upon receiving approval from the CLECs involved. In some cases, changes in translations will be required. If the outage is caused by the destruction of equipment, then the ECC will assume control of the restoration.

5.2.1 Loss of a Central Office

When BellSouth loses a Central Office, the ECC will

- a) Place specialists and emergency equipment on notice;
- b) Inventory the damage to determine what equipment and/or functions are lost;
- c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;
- d) Begin reconnecting service for Hospitals, Police and other emergency agencies; and
- e) Begin restoring service to CLECs and other customers.

5.2.2 Loss of a Central Office with Serving Wire Center Functions

The loss of a Central Office that also serves as a Serving Wire Center (SWC) will be restored as described in section 5.2.1.

5.2.3 Loss of a Central Office with Tandem Functions

When BellSouth loses a Central Office building that serves as an Access Tandem and as a SWC, the ECC will

- a) Place specialists and emergency equipment on notice;
- b) Inventory the damage to determine what equipment and/or functions are lost;
- c) Move containerized emergency equipment and facility equipment to the stricken area, if necessary;
- d) Begin reconnecting service for Hospitals, Police and other emergency agencies;
- e) Re-direct as much traffic as possible to the alternate access tandem (if available) for delivery to those CLECs utilizing a different location as a SWC;
- f) Begin aggregating traffic to a location near the damaged building. From this location, begin re-establishing trunk groups to the CLECs for the delivery of traffic normally found on the direct trunk groups. (This aggregation point may be the alternate access tandem location or another CO on a primary facility route.)
- g) Begin restoring service to CLECs and other customers.

5.2.4 Loss of a Facility Hub

In the event that BellSouth loses a facility hub, the recovery process is much the same as above. Once the NMC has observed the problem and administered the appropriate controls, the ECC will assume authority for the repairs. The recovery effort will include

- a) Placing specialists and emergency equipment on notice;
- b) Inventorying the damage to determine what equipment and/or functions are lost;
- c) Moving containerized emergency equipment to the stricken area, if necessary;
- d) Reconnecting service for Hospitals, Police and other emergency agencies; and
- e) Restoring service to CLECs and other customers. If necessary, BellSouth will aggregate the traffic at another location and build temporary facilities. This alternative would be viable for a location that is destroyed and building repairs are required.

5.3 COMBINED OUTAGE (CLEC AND BELL SOUTH EQUIPMENT)

In some instances, a disaster may impact BellSouth's equipment as well as the CLECs'. This situation will be handled in much the same way as described in section 5.2.3. Since BellSouth and the CLECs will be utilizing temporary equipment, close coordination will be required.

6.0 T1 IDENTIFICATION PROCEDURES

During the restoration of service after a disaster, BellSouth may be forced to aggregate traffic for delivery to a CLEC. During this process, T1 traffic may be consolidated onto DS3s and may become unidentifiable to the Carrier. Because resources will be limited, BellSouth may be forced to "package" this traffic entirely differently than normally received by the CLECs. Therefore, a method for identifying the T1 traffic on the DS3s and providing the information to the Carriers is required.

7.0 ACRONYMS

CO	-	Central Office (BellSouth)
DS3	-	Facility that carries 28 T1s (672 circuits)
ECC	-	Emergency Control Center (BellSouth)
CLEC	-	Competitive Local Exchange Carrier
NMC	-	Network Management Center
SWC	-	Serving Wire Center (BellSouth switch)
T1	-	Facility that carries 24 circuits

Hurricane Information

During a hurricane, BellSouth will make every effort to keep CLECs updated on the status of our network. Information centers will be set up throughout BellSouth Telecommunications. These centers are not intended to be used for escalations, but rather to keep the CLEC informed of network related issues, area damages and dispatch conditions, etc.

Hurricane-related information can also be found on line at http://www.interconnection.bellsouth.com/network/disaster/dis_resp.htm. Information concerning Mechanized Disaster Reports can also be found at this website by clicking on CURRENT MDR REPORTS or by going directly to <http://www.interconnection.bellsouth.com/network/disaster/mdrs.htm>.

BST Disaster Management Plan

BellSouth maintenance centers have geographical and redundant communication capabilities. In the event of a disaster removing any maintenance center from service another geographical center would assume maintenance responsibilities. The contact numbers will not change and the transfer will be transparent to the CLEC.

1. **Network Interconnection**

All rates, terms and conditions set forth herein pertain to the provision of network interconnection where CLEC-1 owns and provides its switch(es).

1.1 Network Interconnection for Call Transport and Termination may be provided by CLEC-1 and BellSouth at any technically feasible point.

1.1.1 An Interconnection Point (IP) is the physical telecommunications equipment interface that performs the interconnection function for BellSouth and CLEC-1. Each Company is responsible for providing the network on its side of the IP. Furthermore, the IP must be located within the LATA in which Local Traffic is originating. The IP determines the point at which the originating Company shall pay the terminating Company for the Call Transport and Termination of that traffic.

1.1.1.1 Pursuant to the provisions of this Tariff, the location of the Interconnection Point shall be established by mutual agreement of the Companies. In selecting the Interconnection Point, both Companies will act in good faith and select the point which is most efficient for both Companies. Each Company shall be responsible for engineering and maintaining the network on its side of the Interconnection Point. Additional Interconnection Points in a particular LATA may be established by mutual agreement of the Companies. If the Companies are unable to agree to a mutual Interconnection Point, each Company will designate the Interconnection Point for its originated traffic. When the Companies mutually agree to utilize two-way interconnection trunk groups for the exchange of local and intraLATA toll traffic between each other, the Companies shall mutually agree to the location of Interconnection Point(s).

1.2 **Interconnection via Dedicated Transport Facilities**

1.2.1 As part of Local Interconnection Call Transport and Termination Service, the originating Company may obtain Local Channel facilities (i.e., entrance facilities) from the terminating Company from the originating Company's specified Interconnection Point to its Serving Wire Center. The portion of Local Channel facilities utilized for Local Traffic shall be determined based upon the application of the Percent Local Facility (PLF) Factor as defined herein. Additionally, the charges applied to the portion of the Local Channel used for Local Traffic as determined by the PLF are as set forth in the Price Schedule in this Tariff. This factor shall be reported in addition to the switched dedicated transport jurisdictional factors specified in the BellSouth intrastate and interstate switched access tariffs.

1.2.2 Additionally, either Company may obtain Dedicated Interoffice Transport facilities from its designated Serving Wire Center to the other Company's first point of switching. The portion of Dedicated Interoffice Transport facilities

utilized for Local Traffic shall be determined based upon the application of the Percent Local Facility (PLF) Factor. Additionally, the charges applied to the portion of the Dedicated Interoffice Transport used for Local Traffic as determined by the PLF are as set forth in the Price Schedule in this Tariff. This factor shall be reported in addition to the switched dedicated transport jurisdictional factors specified in the BellSouth intrastate and interstate switched access tariffs.

- 1.2.3 For the purposes of this section of the Tariff concerning Network Interconnection, **Local Channel** (i.e., entrance facility) is defined as a switch transport facility between a Company's Interconnection Point and its Serving Wire Center.
- 1.2.4 For the purposes of this section of the Tariff concerning Network Interconnection, **Serving Wire Center** is defined as the wire center owned by one Company from which the other Company would normally obtain dial tone for its Interconnection Point.
- 1.2.5 For the purposes of this section of the Tariff concerning Network Interconnection, **Dedicated Interoffice Transport** is defined as a switch transport facility between a Company's Serving Wire Center and the first point of switching on the other Company's common (shared) network.
- 1.3 **Fiber Meet**
- 1.3.1 **Fiber Meet** is an interconnection arrangement whereby the Companies physically interconnect their networks via an optical fiber interface (as opposed to an electrical interface) at which one Company's facilities, provisioning, and maintenance responsibility begins and the other Company's responsibility ends (i.e. Interconnection Point).
- 1.3.2 If CLEC-1 elects to interconnect with BellSouth pursuant to a Fiber Meet, CLEC-1 and BellSouth shall jointly engineer and operate a Synchronous Optical Network ("SONET") transmission system by which they shall interconnect their transmission and routing of Local Traffic via a Local Channel facility at either the DS0, DS1, or DS3 level. The Companies shall work jointly to determine the specific transmission system. However, CLEC-1's SONET transmission must be compatible with BellSouth's equipment in the BellSouth Interconnection Wire Center (BIWC). The same vendor's equipment and software version must be used, and the Data Communications Channel (DCC) must be turned off.
- 1.3.3 BellSouth shall, wholly at its own expense, procure, install and maintain the agreed upon SONET equipment in the BIWC.

- 1.3.4 CLEC-1 shall, wholly at its own expense, procure, install and maintain the agreed upon SONET equipment in the CLEC-1 Interconnection Wire Center ("CLEC-1 Wire Center").
- 1.3.5 BellSouth shall designate an Interconnection Point outside the BIWC as a Fiber Meet point, and shall make all necessary preparations to receive, and to allow and enable CLEC-1 to deliver, fiber optic facilities into the Interconnection Point with sufficient spare length to reach the fusion splice point at the Interconnection Point. BellSouth shall, wholly at its own expense, procure, install, and maintain the fusion splicing point in the Interconnection Point. A Common Language Location Identification ("CLLI") code will be established for each Interconnection Point. The code established must be a building type code. All orders shall originate from the Interconnection Point (i.e., Interconnection Point to CLEC-1, Interconnection Point to BellSouth).
- 1.3.6 CLEC-1 shall deliver and maintain such strands wholly at its own expense. Upon verbal request by CLEC-1, BellSouth shall allow CLEC-1 access to the Fiber Meet entry point for maintenance purposes as promptly as possible.
- 1.3.7 The Companies shall jointly coordinate and undertake maintenance of the SONET transmission system. Each Company shall be responsible for maintaining the components of their own SONET transmission system.
- 1.3.8 Each Company will be responsible for (i) providing its own transport facilities to the Fiber Meet, and (ii) the cost to build-out its facilities to such Fiber Meet.
- 1.3.9 Neither Company shall charge the other for its portion of the Fiber Meet facility used exclusively for non-transit Local Traffic (i.e. the Local Channel). Charges incurred for other services including dedicated transport facilities will apply. Charges for Switched and Special Access Services shall be billed in accordance with the applicable Access Service tariff (i.e. the BellSouth Interstate or Intrastate Access Services Tariff).

2. Interconnection Trunk Group Architectures

- 2.1 BellSouth and CLEC-1 shall establish interconnecting trunk groups and trunk group configurations between networks including the establishment of one-way or two-way trunks in accordance with the following provisions set forth in this Agreement. For trunking purposes, traffic will be routed based on the digits dialed by the originating end user and in accordance with the Local Exchange Routing Guide (LERG).
- 2.2 CLEC-1 shall establish an interconnection trunk group(s) to at least one BellSouth access tandem within the LATA for the delivery of CLEC-1's originated local and intraLATA toll traffic and for the receipt and delivery of Transit Traffic. To the extent CLEC-1 desires to terminate local and intraLATA toll traffic to BellSouth

and Transit Traffic to third parties subtending other BellSouth access tandems within the LATA, other than the one CLEC-1 has established interconnection trunk groups to, CLEC-1 shall order Multiple Tandem Access, as described in this Tariff, to such other BellSouth access tandems or order interconnection trunk groups to such other BellSouth access tandems.

- 2.2.1 Notwithstanding the forgoing, CLEC-1 shall establish an interconnection trunk group(s) to all BellSouth access and local tandems in the LATA where CLEC-1 has homed (i.e. assigned) its NPA/NXXs. CLEC-1 shall home its NPA/NXXs on the BellSouth tandems that serve the Exchange Rate Center Areas to which the NPA/NXXs are assigned. The specified association between BellSouth tandems and Exchange Rate Centers is defined in the national Local Exchange Routing Guide (LERG). CLEC-1 shall enter its NPA/NXX access and/or local tandem homing arrangement into the LERG.
- 2.3 Switched Access traffic will be delivered to and by Interexchange Carriers (IXCs) based on CLEC-1's NXX Access Tandem homing arrangement as specified by CLEC-1 in the LERG.
- 2.4 Charges, both non-recurring and recurring, associated with interconnecting trunk groups between BellSouth and CLEC-1 are set forth in BellSouth's Tennessee Intrastate Access Tariff.
- 2.5 For two-way trunk groups that carry both Companies' local and IntraLATA Toll traffic only, excluding trunk groups that carry Transit Traffic, the Companies shall be compensated for the nonrecurring and recurring charges for dedicated transport trunks and facilities at 50% of the applicable contractual or tariff rates for the services provided by each Company. CLEC-1 shall be responsible for ordering and paying for any two-way trunks carrying Transit Traffic.
- 2.6 All trunk groups will be provisioned as Signaling System 7 (SS7) capable where technically feasible. If SS7 is not technically feasible multi-frequency (MF) protocol signaling shall be used.
- 2.7 In cases where CLEC-1 is also an IXC, the IXC's Feature Group D (FG D) trunk group(s) must remain separate from the local interconnection trunk group(s).
- 2.8 Unless in response to a blocking situation or for a project, when either Company orders interconnection trunk group augmentations, a Firm Order Confirmation (FOC) shall be returned to the ordering Company within four (4) business days from receipt of a valid, error free ASR. A project is defined as a new trunk group or the request of 96 or more trunks on a single or multiple trunk group(s) in a given local calling area. Blocking situations and projects shall be managed through the BellSouth Interconnection Trunking Project Management group and CLEC-1's equivalent trunking group.

- 2.9 **Interconnection Trunk Groups for Exchange of Local, IntraLATA Toll and Transit Traffic**
- 2.9.1 If the Companies' originated local and/or intraLATA toll traffic is utilizing the same two-way trunk group, the Companies shall mutually agree to use this type of two-way interconnection trunk group with the quantity of trunks being mutually determined and the provisioning being jointly coordinated. Furthermore, the Interconnection Point(s) for two-way interconnection trunk groups transporting both Companies local and/or intraLATA toll shall be mutually agreed upon. CLEC-1 shall order such two-way trunks via the Access Service Request (ASR) process in place for Local Interconnection upon determination by the Companies, in a joint planning meeting, that such trunk groups shall be utilized. BellSouth will use the Trunk Group Service Request (TGSR) to request changes in trunking. Both Companies reserve the right to issue ASRs, if so required, in the normal course of business. Furthermore, the Companies shall jointly review such trunk performance and forecasts on a periodic basis. The Companies use of two-way interconnection trunk groups for the transport of local and/or intraLATA toll traffic between the Companies does not preclude either Company from establishing additional one-way interconnection trunks for the delivery of its originated local and/or intraLATA toll traffic to the other Company.
- 2.9.2 **BellSouth Access Tandem Interconnection Architectures**
- BellSouth Access Tandem Interconnection provides intratandem access to subtending end offices. BellSouth Multiple Tandem Access (MTA), described later in this Agreement, may be ordered using any of the following access tandem architectures.
- 2.10.2.1 **Basic Architecture**
- 2.10.2.1.1 In this architecture, CLEC-1's originating Local and IntraLATA Toll and originating and terminating Transit Traffic is transported on a single two-way trunk group between CLEC-1 and BellSouth access tandem(s) within a LATA. This group carries intratandem Transit Traffic between CLEC-1 and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which CLEC-1 desires interconnection and has the proper contractual arrangements. This group also carries CLEC-1 originated intertandem traffic transiting a single BellSouth access tandem destined to third Company tandems such as an Independent Company tandem or other CLEC tandem. BellSouth originated Local and IntraLATA Toll traffic is transported on a single one-way trunk group terminating to CLEC-1. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. The Basic Architecture is illustrated in in this Tariff.
- 2.10.2.2 **One-Way Trunk Group Architecture**

2.10.2.2.1 In this architecture, the Companies interconnect using two one-way trunk groups. One one-way trunk group carries CLEC-1-originated local and intraLATA toll traffic destined for BellSouth end-users. The other one-way trunk group carries BellSouth-originated local and intraLATA toll traffic destined for CLEC-1 end-users. A third two-way trunk group is established for CLEC-1's originating and terminating Transit Traffic. This group carries intratandem Transit Traffic between CLEC-1 and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which CLEC-1 desires interconnection and has the proper contractual arrangements. This group also carries CLEC-1 originated intertandem traffic transiting a single BellSouth access tandem destined to third Company tandems such as an Independent Company tandem or other CLEC tandem. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. The One-Way Trunk Group Architecture is illustrated in this Tariff.

2.10.2.3 **Two-Way Trunk Group Architecture**

2.10.2.3.1 The Two-Way Trunk Group Architecture establishes one two-way trunk group to carry local and intraLATA toll traffic between CLEC-1 and BellSouth. In addition, a two-way transit trunk group must be established for CLEC-1's originating and terminating Transit Traffic. This group carries intratandem Transit Traffic between CLEC-1 and Independent Companies, Interexchange Carriers, other CLECs and other network providers with which CLEC-1 desires interconnection and has the proper contractual arrangements. This group also carries CLEC-1 originated intertandem traffic transiting a single BellSouth access tandem destined to third Company tandems such as an Independent Company tandem or other CLEC tandem. Other trunk groups for operator services, directory assistance, emergency services and intercept may be established if required. The LERG should be referenced for current routing and tandem serving arrangements. The Two-Way Trunk Group Architecture is illustrated in this Tariff.

2.10.3 **Multiple Access Tandem Service**

2.10.3.1 BellSouth **Multiple Tandem Access (MTA)** provides for LATA wide BellSouth transport and termination of CLEC-1-originated intraLATA toll and Local Traffic, that is transported by BellSouth, by establishing an interconnection trunk group(s) at a BellSouth access tandem with routing through multiple BellSouth access tandems as required. However, CLEC-1 must still establish an interconnection trunk group(s) at all BellSouth access tandems where CLEC-1 NXXs are "homed". If CLEC-1 does not have NXXs homed at a BellSouth access tandem within a LATA and elects not to establish an interconnection trunk group(s) at such BellSouth access tandem, CLEC-1 can order MTA in each BellSouth access tandem within the LATA where it does have an interconnection trunk group(s) and BellSouth will terminate traffic to end-users served through those BellSouth

access tandems where CLEC-1 does not have an interconnection trunk group(s). MTA shall be provisioned in accordance with BellSouth's Ordering Guidelines set forth on BellSouth Interconnection Service's internet website (www.interconnection.bellsouth.com), incorporated herein by this reference.

- 2.10.3.2 MTA does not include switched access traffic that transits the BellSouth network to an Interexchange Carrier (IXC). Switched Access traffic will be delivered to and by IXCs based on CLEC-1's NXX Access Tandem homing arrangement as specified by CLEC-1 in the LERG.
- 2.10.3.3 For CLEC-1-originated local and intraLATA toll traffic that BellSouth transports but is destined for termination by a third Company network (Transit Traffic), BellSouth MTA is required if multiple BellSouth access tandems are necessary to deliver the call to the third Company network.
- 2.10.3.4 The Companies agree that compensation for the BellSouth transport and/or termination of CLEC-1's Local Traffic will be billed on a statewide basis at the applicable rates specified in the Price Schedule of this Tariff for Local Traffic.
- 2.10.3.5 To the extent CLEC-1 does not purchase MTA in a calling area that has multiple access tandems serving the calling area as defined by BellSouth, CLEC-1 must establish an interconnection trunk group(s) to every access tandem in the calling area in order to serve the entire calling area. To the extent CLEC-1 does not purchase MTA and provides intraLATA toll service to its customers, it may be necessary for it to establish an interconnection trunk group(s) to additional BellSouth access tandems that serve end offices outside the local calling area. To the extent CLEC-1 routes its traffic in such a way that utilizes BellSouth's MTA service without properly ordering MTA service, CLEC-1 agrees to pay BellSouth the associated transport and termination charges.
- 2.10.4 **Local Tandem Interconnection**
- 2.10.4.1 Local Tandem Interconnection arrangement allows CLEC-1 to establish an interconnection trunk group(s) at BellSouth local tandems for: (1) the delivery of CLEC-1-originated Local Traffic transported and terminated by BellSouth to BellSouth end offices within the local calling area as defined in BellSouth's General Subscriber Services Tariff (GSST), section A3 served by those BellSouth local tandems, and (2) for local Transit Traffic transported by BellSouth for third Company network providers who have also established an interconnection trunk group(s) at those BellSouth local tandems.
- 2.10.4.2 When a specified local calling area is served by more than one BellSouth local tandem, CLEC-1 must designate a "home" local tandem for each of its assigned NPA/NXXs and establish trunk connections to such local tandems. Additionally, CLEC-1 may choose to establish an interconnection trunk group(s) at the BellSouth local tandems where it has no codes homing but is not required to do

so. CLEC-1 may deliver Local Traffic to a “home” BellSouth local tandem that is destined for other BellSouth or third Company network provider end offices subtending other BellSouth local tandems in the same local calling area where CLEC-1 does not choose to establish an interconnection trunk group(s). It is CLEC-1’s responsibility to enter its own NPA/NXX local tandem homing arrangements into the LERG either directly or via a vendor in order for other third Company network providers to determine appropriate traffic routing to CLEC-1’s codes. Likewise, CLEC-1 shall obtain its routing information from the LERG.

2.10.4.3 Notwithstanding establishing an interconnection trunk group(s) to BellSouth’s local tandems, CLEC-1 must also establish an interconnection trunk group(s) to BellSouth access tandems within the LATA on which CLEC-1 has NPA/NXXs homed for the delivery of Interexchange Carrier Switched Access (SWA) and toll traffic, and traffic to Type 2A CMRS connections located at the access tandems. BellSouth shall not switch SWA traffic through more than one BellSouth access tandem. SWA, Type 2A CMRS or toll traffic routed to the local tandem in error will not be backhauled to the BellSouth access tandem for completion. Type 2A CMRS interconnection is defined in BellSouth’s A35 General Subscriber Services Tariff.

2.10.4.4 BellSouth’s provisioning of local tandem interconnection assumes that CLEC-1 has executed the necessary local interconnection agreements with the other third Company network providers subtending those local tandems.

2.10.5 **Direct End Office-to-End Office Interconnection**

2.10.5.1 Direct End Office-to-End Office one-way or two-way interconnection trunk groups allow for the delivery of a Company’s originating Local Traffic to the terminating Company on a direct end office-to-end office basis.

2.10.5.2 The Companies shall utilize direct end office-to-end office trunk groups under the following conditions:

2.10.5.2.1 Tandem Exhaust - If a tandem through which the Companies are interconnected is unable to, or is forecasted to be unable to support additional traffic loads for any period of time, the Companies will mutually agree on an end office trunking plan that will alleviate the tandem capacity shortage and ensure completion of traffic between CLEC-1 and BellSouth’s subscribers.

2.10.5.2.2 Traffic Volume –To the extent either Company has the capability to measure the amount of traffic between a CLEC-1 switching center and a BellSouth end office, either Company shall install and retain direct end office trunking sufficient to handle actual or reasonably forecasted traffic volumes, whichever is greater, between a CLEC-1 switching center and a BellSouth end office where the traffic exceeds or is forecasted to exceed a single DS1 of traffic per month. Either Company will install additional capacity between such points when overflow

traffic between CLEC-1's switching center and BellSouth's end office exceeds or is forecasted to exceed a single DS1 of traffic per month. In the case of one way trunking, additional trunking shall only be required by the Company whose trunking has achieved the preceding usage threshold.

- 2.10.5.2.3 **Mutual Agreement** - The Companies may install direct end office trunking upon mutual agreement in the absence of conditions (1) or (2) above, and agreement will not unreasonably be withheld.

2.10.6 **Transit Traffic Trunk Group**

- 2.10.6.1 Transit Traffic trunks can either be two-way trunks or two one-way trunks ordered by CLEC-1 to deliver and receive local and intraLATA toll Transit Traffic from third Companies, such as Independent Companies and other CLECs, via BellSouth access tandems (or BellSouth local tandems for Local Traffic), and Switched Access traffic to and from Interexchange Carriers via BellSouth access tandems pursuant to the Transit Traffic section of thisTariff. Establishing Transit Traffic trunks at BellSouth access and local tandems provides intratandem access to the third Companies also interconnected at those tandems.

2.10.6.2 **Toll Free Traffic**

- 2.10.6.2.1 If CLEC-1 chooses BellSouth to handle Toll Free database queries from its switches, all CLEC-1 originating Toll Free traffic will be routed over the Transit Traffic Trunk Group.
- 2.10.6.2.2 All originating Toll Free Service (Toll Free) calls for which CLEC-1 requests that BellSouth perform the Service Switching Point ("SSP") function (i.e., perform the database query) shall be delivered using GR-394 format over the Transit Traffic Trunk Group. Carrier Code "0110" and Circuit Code (to be determined for each LATA) shall be used for all such calls.
- 2.10.6.2.3 CLEC-1 may handle its own Toll Free database queries from its switch. If so, CLEC-1 will determine the nature (local/intraLATA/interLATA) of the Toll Free call based on the response from the database. If the query determines that the call is a BellSouth local or intraLATA Toll Free number, CLEC-1 will route the post-query local or IntraLATA converted ten-digit local number to BellSouth over the local or intraLATA trunk group. If the query determines that the call is a third Company (ICO or other CLEC) local or intraLATA Toll Free number, CLEC-1 will route the post-query local or intraLATA converted ten-digit local number to BellSouth over the Transit Traffic Trunk Group. In such case, CLEC-1 is to provide a Toll Free billing record when appropriate. If the query reveals the call is an interLATA Toll Free number, CLEC-1 will route the post-query interLATA call (Toll Free number) directly from its switch for carriers interconnected with its network or over the Transit Traffic Trunk Group to carriers not directly connected to its network but are connected to BellSouth's access tandem. Calls will be

routed to BellSouth over the local/intraLATA and Transit Traffic Trunk Groups within the LATA in which the calls originate.

- 2.10.6.2.4 All post-query Toll Free Service (Toll Free) calls for which CLEC-1 performs the SSP function, if delivered to BellSouth, shall be delivered using GR-394 format for calls destined to IXC's, and GR-317 format for calls destined to end offices that directly subtend the BellSouth access tandem.

3. Network Design And Management For Interconnection

- 3.1 Network Management and Changes. Both Companies will work cooperatively with each other to install and maintain the most effective and reliable interconnected telecommunications networks, including but not limited to, the exchange of toll-free maintenance contact numbers and escalation procedures. Both Companies agree to provide public notice of changes in the information necessary for the transmission and routing of services using its local exchange facilities or networks, as well as of any other changes that would affect the interoperability of those facilities and networks.
- 3.2 Interconnection Technical Standards. The interconnection of all networks will be based upon accepted industry/national guidelines for transmission standards and traffic blocking criteria. Interconnecting facilities shall conform, at a minimum, to the telecommunications industry standard of DS-1 pursuant to Bellcore Standard No. TR-NWT-00499. Signal transfer point, Signaling System 7 ("SS7") connectivity is required at each interconnection point. BellSouth will provide out-of-band signaling using Common Channel Signaling Access Capability where technically and economically feasible, in accordance with the technical specifications set forth in the BellSouth Guidelines to Technical Publication, TR-TSV-000905. Facilities of each Company shall provide the necessary on-hook, off-hook answer and disconnect supervision and shall hand off calling number ID (Calling Company Number) when technically feasible.
- 3.3 Quality of Interconnection. The local interconnection for the transmission and routing of telephone exchange service and exchange access that each Company provides to each other will be at least equal in quality to what it provides to itself and any subsidiary or Affiliate, where technically feasible, or to any other Company to which each Company provides local interconnection.
- 3.4 Network Management Controls. Both Companies will work cooperatively with each other to apply sound network management principles by invoking appropriate network management controls (e.g., call gapping) to alleviate or prevent network congestion.
- 3.5 Common Channel Signaling. Both Companies will provide LEC-to-LEC Common Channel Signaling ("CCS") to each other, where available, in conjunction with all traffic in order to enable full interoperability of CLASS

features and functions except for call return. All CCS signaling parameters will be provided, including automatic number identification ("ANI"), originating line information ("OLI") calling company category, charge number, etc. All privacy indicators will be honored, and each Company will cooperate with each other on the exchange of Transactional Capabilities Application Part ("TCAP") messages to facilitate full interoperability of CCS-based features between the respective networks. Neither Company shall alter the CCS parameters, or be a Company to altering such parameters, or knowingly pass CCS parameters that have been altered in order to circumvent appropriate interconnection charges.

- 3.6 Signaling Call Information. BellSouth and CLEC-1 will send and receive 10 digits for Local Traffic. Additionally, BellSouth and CLEC-1 will exchange the proper call information, i.e. originated call company number and destination call company number, CIC, and OZZ, including all proper translations for routing between networks and any information necessary for billing.
- 3.7 **Forecasting for Trunk Provisioning**
- 3.7.1 Within six (6) months after execution of this agreement, CLEC-1 shall provide an initial interconnection trunk group forecast for each LATA that it shall provide service within BellSouth's region. Upon receipt of CLEC-1's forecast, the Companies shall schedule and participate in a joint planning meeting to develop a joint interconnection trunk group forecast. Each forecast provided under this Section shall be deemed "Confidential Information."
- 3.7.1.1 At a minimum, the forecast shall include the projected quantity of Transit Trunks, CLEC-1-to-BellSouth one-way trunks ("CLEC-1 Trunks"), BellSouth-to-CLEC-1 one-way trunks ("Reciprocal Trunks") and/or two-way interconnection trunks, if the Companies have agreed to interconnect using two-way trunking to transport the Companies' local and intraLATA toll. The quantities shall be projected for a minimum of six months in advance and shall include the current year plus next two years total forecasted quantities. Considering CLEC-1's provided forecast, the Companies shall mutually develop Reciprocal Trunk and/or two-way interconnection trunk forecast quantities for the time periods listed and to be included within the initial forecast.
- 3.7.1.2 Additionally all forecasts shall include, at a minimum, Access Carrier Terminal Location ("ACTL"), trunk group type (local/intraLATA toll, Transit, Operator Services, 911, etc.), A location/Z location (CLLI codes for CLEC-1 location and BellSouth location where the trunks shall terminate), interface type (e.g., DS1), Direction of Signaling, Trunk Group Number, if known, (commonly referred to as the 2-6 code) and forecasted trunks in service each year (cumulative).
- 3.7.2 Each Company shall exercise its best efforts to provide the quantity of interconnection trunks mutually forecasted. However, the provision of the forecasted quantity of interconnection trunks is subject to trunk terminations and

facility capacity existing at the time the trunk order is submitted. Furthermore, the receipt and development of trunk forecasts does not imply any liability for failure to perform if capacity (trunk terminations or facilities) is not available for use at the forecasted time.

3.7.3 The submitting and development of interconnection trunk forecasts shall not replace the ordering process in place for local interconnection trunks.

3.7.4 Once initial interconnection trunk forecasts have been developed, CLEC-1 shall continue to provide interconnection trunk forecasts on a semiannual basis or at otherwise mutually agreeable intervals. CLEC-1 shall use its best efforts to make the forecasts as accurate as possible based on reasonable engineering criteria. Interconnection trunk forecasts shall be updated and provided to BellSouth on an as needed basis, but no less frequently than semiannually and no more frequently than monthly. Upon receipt of CLEC-1's forecast, including forecast updates, the Companies shall confer to mutually develop BellSouth Reciprocal Trunk and/or two-way interconnection trunk forecasted quantities for the listed time periods within such subsequent forecasts.

3.8 **Trunk Utilization**

3.8.1 BellSouth and CLEC-1 shall monitor traffic on each interconnection trunk group that is installed pursuant to the initial interconnection trunk requirements and subsequent forecasts. At any time after the end of a calendar quarter, based on a review of the capacity utilization during such quarter for installed Reciprocal Trunk groups and/or two-way interconnection trunk groups, subject to the provision of the section following, after fifteen (15) business days advance written notice to CLEC-1, BellSouth may disconnect any Non-utilized Reciprocal Trunk(s) and CLEC-1 shall refund to BellSouth any associated trunk and facility charges paid by BellSouth. In addition, BellSouth may request CLEC-1 to disconnect any Non-utilized two-way interconnection trunk(s), if BellSouth has determined that the trunk group is not being utilized at eighty-five percent (85%) of the time consistent busy hour utilization level, provided that the Companies have not otherwise agreed. CLEC-1 shall comply with such request, subject to Section 3.8.1.1 below. Non-utilized trunks are defined as the trunks not being utilized as a result of a time consistent busy hour utilization of less than 85%.

3.8.1.1 Within ten (10) business days following the notice prescribed in the section above, CLEC-1 may request that BellSouth not disconnect or not request disconnection for some or all of the Non-utilized Trunks, in which event BellSouth shall keep the trunks in service and may invoice CLEC-1 for, and CLEC-1 shall pay, all applicable recurring and nonrecurring trunk and facility access tariff charges for the Non-utilized Trunks. The charges shall be applied retroactive to the date on which such trunks were installed and to continue until such trunks are disconnected, or to the extent CLEC-1 requests that such trunks remain in service, until the trunk group reaches an eighty-five percent (85%) time-

consistent busy hour utilization level. In addition, CLEC-1 shall reimburse BellSouth for any nonrecurring and/or recurring charges BellSouth may have paid to CLEC-1 for the Non-utilized Trunks and for any trunk installation expense BellSouth incurred. This expense shall equal the nonrecurring installation charge for trunks in BellSouth's intrastate tariff. Furthermore, the CLEC-1 forecasts for each subsequent forecast period shall be automatically reduced by the number of Reciprocal Trunks and/or two-way interconnection trunks that have been determined to be subject to disconnection pursuant to the foregoing procedures.

3.8.2 To the extent CLEC-1 requests BellSouth and BellSouth agrees to install additional Reciprocal and/or two-way interconnection trunks in any forecast period following the initial forecasting period that are not included in the forecast for that period (as such forecast may be revised from time to time), such trunks may be provisioned by BellSouth subject to the conditions set forth in the preceding sections above, and all applicable recurring and nonrecurring charges for such trunks shall be billed to and paid by CLEC-1 until such trunk groups reach an eighty-five percent (85%) time-consistent busy hour utilization level.

3.8.3 To the extent that any interconnection trunk group is utilized at a time-consistent busy hour of ninety percent (90%) or greater, the Companies shall negotiate in good faith for the installation of augmented facilities.

4. Local Dialing Parity

4.1 BellSouth and CLEC-1 shall provide local and toll dialing parity to each other with no unreasonable dialing delays. Dialing parity shall be provided for all originating telecommunications services that require dialing to route a call. BellSouth and CLEC-1 shall permit similarly situated telephone exchange service end users to dial the same number of digits to make a local telephone call notwithstanding the identity of the end user's or the called Company's telecommunications service provider.

5. Interconnection Compensation

5.1 If CLEC-1 is operating under interconnection agreements with reciprocal compensation provisions that have been approved by the Authority and are compliant with the FCC's Reciprocal Compensation Remand Order, as to the payment of reciprocal compensation, those provisions shall apply. If the interconnection agreement does not address the payment of reciprocal compensation the Parties shall negotiate an arrangement that is consistent with the FCC's Reciprocal Compensation Remand Order.

5.2 If CLEC-1 utilizes a switch outside the LATA and BellSouth chooses to purchase dedicated or common (shared) transport from CLEC-1 for transport and termination of BellSouth originated traffic, BellSouth will pay CLEC-1 no more than the airline miles between the V & H coordinates of the Interconnection Point within the LATA where CLEC-1 receives the BellSouth-originated traffic and the

V & H coordinates of the BellSouth Exchange Rate Center Area that the CLEC-1 terminating NPA/NXX is associated in the same LATA. For these situations, BellSouth will compensate CLEC-1 at either dedicated or common (shared) transport rates specified in the Price Schedule of this Tariff and based upon the functions provided by CLEC-1.

- 5.3 Neither Company shall represent Switched Access Traffic as Local Traffic for purposes of payment of reciprocal compensation.
- 5.4 Pursuant to the definition of Local Traffic in this section of the Tariff relating to Intercarrier Compensation, and for the purpose of delivery of BellSouth originating traffic to CLEC-1, BellSouth shall pay to CLEC-1 reciprocal compensation for Local Traffic delivered to CLEC-1 end users physically located within the LATA in which the call originated and within which the CLEC-1 end user's NPA/NXX is assigned. If CLEC-1 assigns NPA/NXXs to specific BellSouth rate centers within the LATA and assigns numbers from those NPA/NXXs to CLEC-1 end users physically located outside of that LATA, BellSouth traffic originating from within the LATA where the NPA/NXXs are assigned and delivered to a CLEC-1 customer physically located outside of such LATA, shall not be deemed Local Traffic, and no compensation from BellSouth to CLEC-1 shall be due therefor. Further, CLEC-1 agrees to identify such interLATA traffic to BellSouth and to compensate BellSouth for originating and transporting such interLATA traffic to CLEC-1 at BellSouth's switched access tariff rates.
- 5.5 If CLEC-1 does not identify such interLATA traffic to BellSouth, to the best of BellSouth's ability BellSouth will determine which whole CLEC-1 NPA/NXXs on which to charge the applicable rates for originating network access service as reflected in BellSouth's Access Service Tariff. BellSouth shall make appropriate billing adjustments if CLEC-1 can provide sufficient information for BellSouth to determine whether or not said traffic is Local Traffic.
- 5.6 **Percent Local Use.** Each Company shall report to the other a Percent Local Usage ("PLU"). The application of the PLU will determine the amount of local minutes to be billed to the other Company. For purposes of developing the PLU, each Company shall consider every local call and every long distance call, excluding Transit Traffic. Each Company shall update its PLU on the first of January, April, July and October of the year and shall send it to the other Company to be received no later than 30 calendar days after the first of each such month based on local usage for the past three months ending the last day of December, March, June and September, respectively. Requirements associated with PLU calculation and reporting shall be as set forth in BellSouth's Percent Local Use Reporting Guidebook, as it is amended from time to time. Notwithstanding the foregoing, where the terminating Company has message recording technology that identifies the jurisdiction of traffic terminated as defined in this Tariff, such information, in lieu of the PLU factor, shall at the

terminating Company's option be utilized to determine the appropriate local usage compensation to be paid.

- 5.7 **Percent Local Facility.** Each Company shall report to the other a Percent Local Facility ("PLF"). The application of the PLF will determine the portion of switched dedicated transport to be billed pursuant to the Price Schedule in the Tariff. The PLF shall be applied to multiplexing, local channel and interoffice channel switched dedicated transport utilized in the provision of local interconnection trunks. Each Company shall update its PLF on the first of January, April, July and October of the year and shall send it to the other Company to be received no later than 30 calendar days after the first of each such month to be effective the first bill period the following month, respectively. Requirements associated with PLU and PLF calculation and reporting shall be as set forth in BellSouth's Percent Local Facility Reporting Guidebook, located on BellSouth's Interconnection Services internet website (www.interconnection.bellsouth.com) incorporated herein by this reference, as it is amended from time to time.
- 5.8 **Percent Interstate Usage.** Each Company shall report to the other the projected Percent Interstate Usage ("PIU"). All jurisdictional report requirements, rules and regulations for Interexchange Carriers specified in BellSouth's Intrastate Access Services Tariff will apply to CLEC-1. After interstate and intrastate traffic percentages have been determined by use of PIU procedures, the PLU and PLF factors will be used for application and billing of local interconnection. Each Company shall update its PIUs on the first of January, April, July and October of the year and shall send it to the other Company to be received no later than 30 calendar days after the first of each such month, for all services showing the percentages of use (PIUs, PLU, and PLF) for the past three months ending the last day of December, March, June and September. Notwithstanding the foregoing, where the terminating Company has message recording technology that identifies the jurisdiction of traffic terminated as defined in this Tariff, such information, in lieu of the PIU and PLU factors, shall at the terminating Company's option be utilized to determine the appropriate local usage compensation to be paid.
- 5.9 **Audits.** On thirty (30) days written notice, each Company must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic. BellSouth and CLEC-1 shall retain records of call detail for a minimum of nine months from which a PLU, PLF and/or PIU can be ascertained. The audit shall be accomplished during normal business hours at an office designated by the Company being audited. Audit requests shall not be submitted more frequently than one (1) time per calendar year. Audits shall be performed by a mutually acceptable independent auditor paid for by the Company requesting the audit. The PLU and/or PIU shall be adjusted based upon the audit results and shall apply to the usage for the quarter the audit was completed, to the usage for the quarter prior to the completion of the audit, and to the usage for the two quarters following the completion of the audit. If, as a result of an audit, either Company

is found to have overstated the PLU and/or PIU by twenty percentage points (20%) or more, that Company shall reimburse the auditing Company for the cost of the audit.

5.10 Mutual Provision of Switched Access Service

5.10.1 Switched Access Traffic. Switched Access Traffic is described in the BellSouth Tennessee Intrastate Access Tariff. Additionally, any Public Switched Telephone Network interexchange telecommunications traffic, regardless of transport protocol method, where the originating and terminating points, end-to-end points, are in different LATAs, or are in the same LATA and the Companies' Switched Access services are used for the origination or termination of the call, shall be considered Switched Access Traffic. Irrespective of transport protocol method used, a call which originates in one LATA and terminates in another LATA (i.e., the end-to-end points of the call), shall not be compensated as Local.

5.10.2 When CLEC-1's end office switch, subtending the BellSouth Access Tandem switch for receipt or delivery of switched access traffic, provides an access service connection to or from an interexchange carrier ("IXC") by either a direct trunk group to the IXC utilizing BellSouth facilities, or via BellSouth's tandem switch, each Company will provide its own access services to the IXC and bill on a multi-bill, multi-tariff meet-point basis. Each Company will bill its own access services rates to the IXC with the exception of the interconnection charge. The interconnection charge will be billed by the Company providing the end office function. Each Company will use the Multiple Exchange Carrier Access Billing (MECAB) guidelines to establish meet point billing for all applicable traffic. Thirty (30)-day billing periods will be employed for these arrangements. For tandem routed traffic, the tandem company agrees to provide to the Initial Billing Company as defined in MECAB, at no charge, all the switched access detail usage data, recorded at the access tandem, within no more than sixty (60) days after the recording date. The Initial Billing Company will provide the switched access summary usage data, for all originating and terminating traffic, to all Subsequent Billing Companies as defined in MECAB within 10 days of rendering the initial bill to the IXC. Each Company will notify the other when it is not feasible to meet these requirements so that the customers may be notified for any necessary revenue accrual associated with the significantly delayed recording or billing. As business requirements change data reporting requirements may be modified as necessary.

5.10.3 In the event that either Company fails to provide the appropriate MECAB switched access usage data to the other Company within 90 days after the recording date and the receiving Company is unable to bill and/or collect access revenues due to the sending Company's failure to provide such data within said time period, then the Company failing to send the data as specified herein shall be liable to the other Company in an amount equal to the unbillable or uncollectible revenues. Each company will provide complete documentation to the other to substantiate any

claim of unbillable switched access revenues, and a negotiated settlement will be agreed upon between the Companies.

- 5.10.4 Each Company will retain for a minimum period of sixty (60) days, access message detail sufficient to recreate any data which is lost or damaged by its Company or any third Company involved in processing or transporting data.
- 5.10.5 Each Company agrees to recreate the lost or damaged data within forty-eight (48) hours of notification by the other or by an authorized third Company handling the data.
- 5.10.6 Each Company also agrees to process the recreated data within forty-eight (48) hours of receipt at its data processing center.
- 5.10.7 All claims should be filed with the other Company within 120 days of the receipt of the date of the unbillable usage.
- 5.10.8 The Initial Billing Company shall keep records of its billing activities relating to jointly-provided Intrastate and Interstate access services in sufficient detail to permit the Subsequent Billing Company to, by formal or informal review or audit, to verify the accuracy and reasonableness of the jointly-provided access billing data provided by the Initial Billing Company. Each Company agrees to cooperate in such formal or informal reviews or audits and further agrees to jointly review the findings of such reviews or audits in order to resolve any differences concerning the findings thereof.
- 5.10.9 CLEC-1 agrees not to deliver switched access traffic to BellSouth for termination except over CLEC-1 ordered switched access trunks and facilities.

5.11 Transit Traffic Service

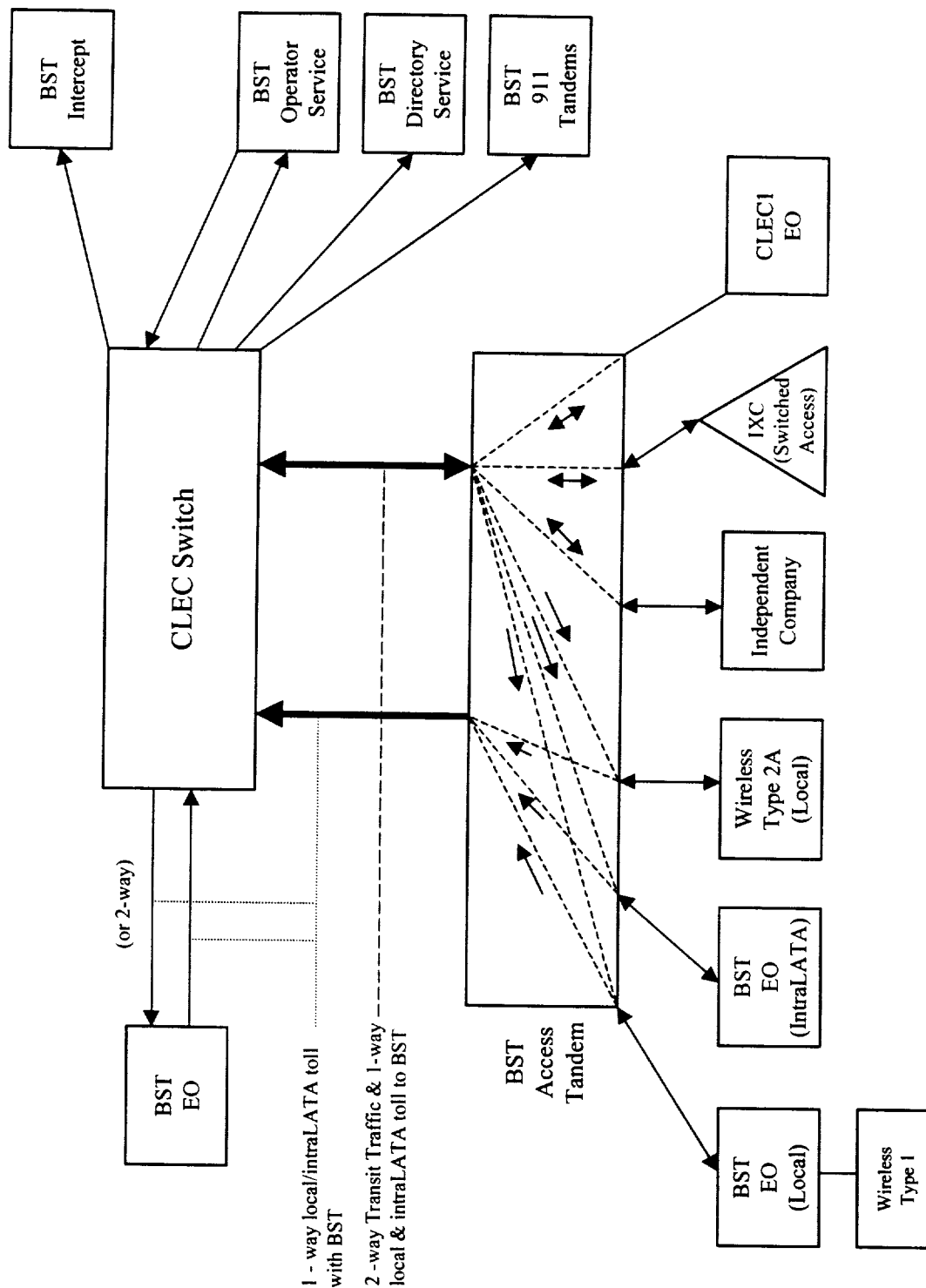
- 5.11.1 BellSouth shall provide tandem switching and transport services for CLEC-1's Transit Traffic. Transit traffic is traffic originating on CLEC-1's network that is switched and/or transported by BellSouth and delivered to a third Company's network, or traffic originating on a third Company's network that is switched and/or transported by BellSouth and delivered to CLEC-1's network. Rates for local Transit Traffic shall be the applicable Call Transport and Termination charges as set forth in the Price Schedule of this Tariff. Rates for Switched Access Transit Traffic shall be the applicable charges as set forth in BellSouth Interstate or Intrastate Switched Access tariffs. Switched Access Transit Traffic presumes that CLEC-1's end office is subtending the BellSouth Access Tandem for switched access traffic to and from CLEC-1's end users utilizing BellSouth facilities, either by direct trunks with the IXC, or via the BellSouth Access Tandem. Billing associated with all Transit Traffic shall be pursuant to MECAB guidelines. Pursuant to these guidelines, the Initial Billing Company shall provide summary usage data, for all originating and terminating Transit Traffic, to all

Subsequent Billing Companies. Traffic between CLEC-1 and Wireless Type 1 third Companies shall not be treated as Transit Traffic from a routing or billing perspective. Traffic between CLEC-1 and Wireless Type 2A or UNE-CLEC third Companies shall not be treated as Transit Traffic from a routing or billing perspective until BellSouth and the Wireless carrier or UNE-CLEC third Company have the capability to properly meet-point-bill in accordance with MECAB guidelines.

- 5.11.2 In the event that either Company fails to provide the appropriate MECAB usage data to the other Company within 90 days after the recording date and the receiving Company is unable to bill and/or collect Transit Traffic revenues due to the sending Company's failure to provide such data within said time period, then the Company failing to send the data as specified herein shall be liable to the other Company in an amount equal to the unbillable or uncollectible revenues. Each company will provide complete documentation to the other to substantiate any claim of unbillable revenues and a negotiated settlement will be agreed upon between the Companies
- 5.11.3 The delivery of traffic which transits the BellSouth network and is transported to another carrier's network is excluded from any BellSouth billing guarantees and will be delivered at the rates stipulated set forth above to a terminating carrier. BellSouth agrees to deliver this traffic to the terminating carrier; provided, however, that CLEC-1 is solely responsible for negotiating and executing any appropriate contractual agreements with the terminating carrier for the receipt of this traffic through the BellSouth network. BellSouth will not be liable for any compensation to the terminating carrier or to CLEC-1. CLEC-1 agrees to compensate BellSouth for any charges or costs for the delivery of Transit Traffic to a connecting carrier on behalf of CLEC-1. Additionally, the Companies agree that any billing to a third Company or other telecommunications carrier under this section shall be pursuant to MECAB procedures.

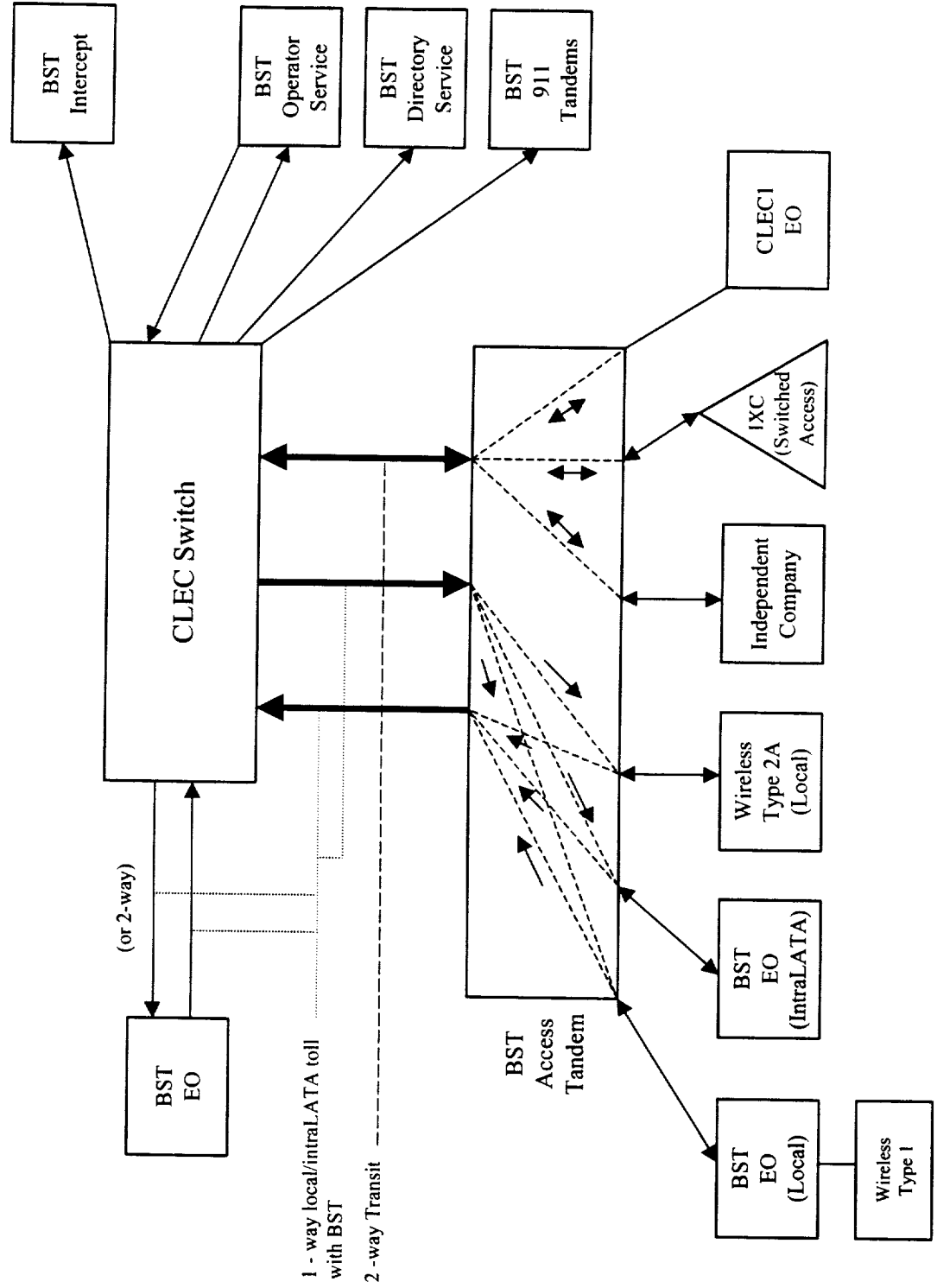
Basic Architecture

Exhibit B



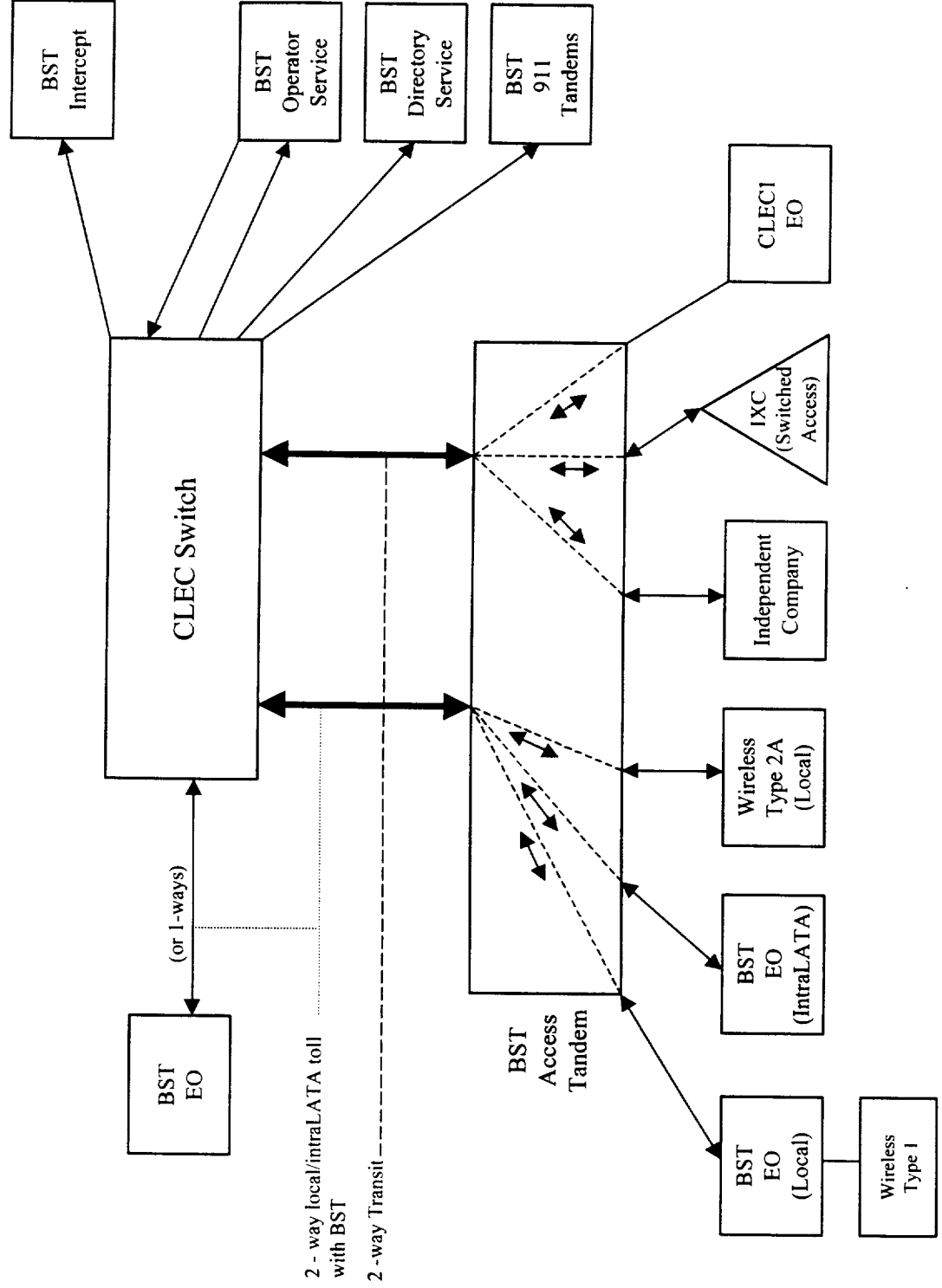
One-Way Architecture

Exhibit C



Two-Way Architecture

Exhibit D



BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Effective: Upon notification by the TRA

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.0	Unbundled local loop						
A.1	2-Wire Analog Voice Grade Loop (2-WAVGL)						
A.1.1	2-WAVGL- Service level 1	Loop		\$31.99	\$20.02	\$10.65	\$1.41
	Zone 1		\$13.19				
	Zone 2		\$17.23				
	Zone 3		\$22.53				
A.1.2	2-WAVGL- Service level 2	Loop		\$75.06	\$48.20	\$28.70	\$17.64
	Zone 1		\$16.56				
	Zone 2		\$21.63				
	Zone 3		\$28.28				
A.1.3	2-WAVGL-SL1-Manual Order Coordination	Loop		\$36.52	\$36.52	\$9.18	\$9.18
A.1.4	2-WAVGL-SL1-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.1.5	2-WAVGL-SL2-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.2	Sub-Loop 2-wire analog						
A.2.1	Loop feeder per 2-WVGL	Loop	\$12.05	\$122.24	\$85.05	\$76.35	\$39.16
A.2.2	Loop distribution - per 2-WAVGL	Loop	\$10.02	\$148.84	\$112.34	\$73.14	\$36.65
A.2.3	Loop concentration- Channelization System (Outside C.O.)	System	\$328.28	\$651.09	\$263.42	\$207.92	\$50.94
A.2.4	Loop concentration-Remote terminal Cabinet (Outside CO)	Cabinet					
A.2.5	Loop concentration-Remote Channel Interface -2-WAVGL (Outside CO)	Interface	\$0.88	\$9.43	\$9.40	\$4.71	\$4.70
A.2.6	NID per 2-WAVGL	Loop	\$1.15	\$0.74			
A.2.7	LC-Channelization System-Incremental Cost-Manual Svc Order vs Electronic	System		\$20.35	\$10.54	\$13.32	
A.2.8	Sub-Loop Feeder-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.2.9	Sub-Loop Distribution-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.3	Loop Channelization and CO Interface (Inside CO)						
A.3.1	Loop Channelization System - DLC	System	\$307.07	\$307.34	\$74.37	\$4.18	
A.3.2	CO Channel Interface - 2-Wire Voice Grade	Interface	\$1.20	\$9.57	\$9.52	\$8.66	\$8.60
A.3.3	LC-Channelization System-Incremental Cost-Manual Svc Order vs Electronic	System		\$20.35	\$10.54	\$13.32	

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.4	4-Wire Analog Voice Grade Loop						
A.4.1	4-wire analog voice grade loop	Loop		\$122.76	\$85.57	\$76.35	\$39.16
	Zone 1		\$24.70				
	Zone 2		\$32.25				
	Zone 3		\$42.17				
A.4.2	NID per 4-wire analog voice grade loop	Loop	\$1.27	\$0.74			
A.4.3	4-WAYGL-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.5	2-Wire ISDN Digital Grade Loop						
	Zone 1		\$22.22				
	Zone 2		\$29.02				
	Zone 3		\$37.95				
A.5.1	2-wire ISDN Digital Grade Loop	Loop		\$142.76	\$88.88	\$76.35	\$39.16
A.5.2	NID per 2-Wire ISDN Digital Grade Loop	Loop	\$1.15	\$0.74			
A.5.3	2-Wire ISDN Digital Grade Loop-Order Coordination for Specified Conversion Time	Loop		\$34.29			
	2-wire asymmetrical digital subscriber line (ADSL) compatible loop						
A.6	2-wire ADSL compatible loop	Loop		\$270.01	\$234.63	\$74.54	\$39.14
	Zone 1		\$13.82				
	Zone 2		\$18.05				
	Zone 3		\$23.60				
A.6.2	NID per 2-wire ADSL loop	Loop	\$1.15	\$0.74			
A.6.3	2-Wire ADSL Digital Grade Loop-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.7	2-wire high bit rate DSL compatible loop						
	Zone 1		\$10.83				
	Zone 2		\$14.15				
	Zone 3		\$18.50				
A.7.1	2-wire HD SL compatible loop	Loop		\$270.01	\$234.63	\$74.54	\$39.14
A.7.2	NID per 2-wire HD SL loop	Loop	\$1.15	\$0.74			
A.7.3	2-Wire HD SL Loop-Order Coordination for Specified Conversion Time	Loop		\$34.29			

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.8	4-wire HD SL compatible loop						
A.8.1	4-wire HD SL compatible loop	Loop		\$279.60	\$244.22	\$74.54	\$39.14
	Zone 1		\$13.93				
	Zone 2		\$18.20				
	Zone 3	Loop	\$23.80				
A.8.2	NID per 4-wire HD SL loop	Loop	\$1.27	\$0.74			
A.8.3	4-Wire HD SL Loop-Order Coordination for Specified Conversion Time			\$34.29			
A.9	4-wire DS1 Digital Loop	Loop					
A.9.1	4-wire DS1 Digital Loop			\$313.08	\$219.72	\$96.86	\$40.45
	Zone 1		\$57.73				
	Zone 2		\$75.40				
	Zone 3		\$98.59				
A.9.2	4-Wire DS1 Loop - Incremental Cost - Manual Svc Order vs Electronic	Loop		\$18.98	\$8.43	\$11.95	\$0.00
A.9.3	4-Wire DS1 Loop-Order Coordination for Specified Conversion Time	Loop		\$34.59			
A.10	4-wire 56 or 64 KBPS Digital Grade Loop						
A.10.1	4-wire 56 or 64 KBPS Digital Grade Loop	Loop		\$207.01	\$141.38	\$90.70	\$44.18
	Zone 1		\$31.10				
	Zone 2		\$40.61				
	Zone 3		\$53.11				
A.10.2	NID per 4-wire 56 or 64 KBPS Digital Grade Loop	Loop	\$1.27	\$0.74			
A.10.3	4-Wire 56/64 Kbps Dig. GL-Order Coordination for Specified Conversion Time	Loop		\$34.29			
A.11	Unbundled Loops-Incremental Cost-Manual Svc vs Electronic						
A.11.1	Unbundled 2-Wire Loops-Incremental Cost-Manual Svc vs Electronic	Loop		\$20.35	\$10.54	\$13.32	
A.11.2	Unbundled 4-Wire Loops (excluding DS1)-Incremental Cost-Manual vs Electronic	Loop		\$20.35	\$10.54	\$13.32	
A.11.3	NID per 2-Wire Loops- Manual Svc Order vs Electronic	Loop		\$20.35	\$10.54	\$13.32	
A.11.4	NID per 4-Wire Loops- Manual Svc Order vs Electronic	Loop		\$20.35	\$10.54	\$13.32	

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
A.18	MULTIPLEXERS						
A.18.1	Channelization - Channel System DS1 to DS0	System	\$80.77	\$141.87	\$77.11	\$14.51	\$13.46
A.18.2	Interface Unit - Interface DS1 to DS0 - OCU - DP Card	Interface	\$1.82	\$6.07	\$4.66		
A.18.3	Interface Unit - Interface DS1 to DS0 - Brile Card	Interface	\$3.10	\$6.07	\$4.66		
A.18.4	Interface Unit - Interface DS1 to DS0 - Voice Grade Card	Interface	\$0.91	\$6.07	\$4.66		
A.18.5	Channelization - Channel System DS3 to DS1	System	\$222.98	\$308.03	\$108.47	\$44.47	\$42.62
A.18.6	Interface Unit - Interface DS3 to DS1	Interface	\$17.58	\$6.07	\$4.66		
A.18.10	Channelization - Channel System DS1 to DS0 - Incremental Cost - Manual Service Order vs. Electronic	System		\$20.35	\$9.80	\$11.49	\$1.18
A.18.11	Channelization - Channel System DS3 to DS1 - Incremental Cost - Manual Service Order vs. Electronic	System		\$20.35	\$9.80	\$11.49	\$1.18
B.0	UNBUNDLED LOCAL EXCHANGE AND FEATURES						
	Exchange Ports (EP)						
B.1	Exchange Ports (including all Applicable Features)						
B.1.1	Exchange ports - 2-wire Analog Line Port (Res., Bus.)	Port	\$1.89	\$9.93	\$9.19	\$3.66	\$2.92
B.1.2	Exchange ports - 4-wire Analog Voice Grade Port	Port	\$8.27	\$9.93	\$9.19	\$3.66	\$2.92
B.1.3	Exchange ports - 2-wire DID Port	Port	\$8.97	\$47.75	\$47.01	\$9.21	\$8.47
B.1.4	Exchange ports - 4-wire DID Port	Port	\$35.74	\$75.93	\$38.15	\$8.77	\$8.04
B.1.5	Exchange ports - 2-wire ISDN Port	Port	\$16.26	\$30.23	\$29.49	\$4.10	\$4.10
B.1.6	Exchange ports - 4-wire ISDN DS1 Port	Port	\$75.04	\$148.66	\$147.18	\$38.46	\$36.98
B.1.7	Exchange ports - 2-wire Analog Line Port (PBX)	Port	\$1.79	\$9.93	\$9.19	\$3.66	\$2.92
B.1.8	Exchange ports - Coin Port	Port	\$2.11	\$9.93	\$9.19	\$3.66	\$2.92
B.1.9	EP-2-Wire Analog Line Port (Res., Bus.)-Incremental Cost-Manual vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40
B.1.10	EP-4-WAVG Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40
B.1.11	EP-2-Wire DID Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40
B.1.12	EP-4-Wire DID Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40
B.1.13	EP-2-Wire ISDN Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$41.43	\$42.17	\$9.80	\$9.80
B.1.14	EP-4-Wire ISDN DS1 Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$40.69	\$42.17	\$9.07	\$10.54
B.1.15	EP-2-Wire Analog Line Port (PBX)-Incremental Cost-Manual Sc Order vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40
B.1.16	Exchange ports - Coin Port-Incremental Cost-Manual Svc Order vs Electronic	Port		\$20.35	\$10.54	\$13.32	\$1.40

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
C.0	UNBUNDLED SWITCHING AND LOCAL INTERCONNECTION			First	Additional	First	Additional
C.1	Local switching						
C.1.1	End office switching function	MOU	\$0.0008041				
C.1.2	End Office Interoffice Trunk Port - Shared, per MOU	MOU	Included in C.1.1				
C.2	Tandem switching						
C.2.1	Tandem switching function	MOU	\$0.0009778				
C.2.2	Tandem Interoffice Trunk Port - Shared, per MOU	MOU	Included in C.2.1				
D.0	UNBUNDLED TRANSPORT AND LOCAL INTERCONNECTION						
D.1	Common Transport						
D.1.1	Common transport - per mile, per MOU	Per Mile, per MOU	\$0.0000064				
D.1.2	Common Transport - Facilities Termination per MOU	MOU	\$0.0003871				
D.2	Interoffice Transport - Dedicated - Voice Grade						
D.2.1	Interoffice Transport - Dedicated - Voice Grade	Per Mile, per MOU	\$0.0174				
D.2.2	Interoffice Transport-Dedicated - 2-wire voice grade- Facility Termination	Termination	\$18.58	\$55.39	\$17.37	\$27.96	\$3.51
D.2.3	Interoffice Transport-Voice Grade-Incremental Cost-Manual Order vs Electronic	Termination		\$20.35	\$21.09	\$9.80	\$10.54
D.3	Interoffice Transport - Dedicated-DSO-56/64 KBPS						
D.3.1	Interoffice Transport - Dedicated - DSO - per mile	Mile	\$0.0174				
D.3.2	Interoffice Transport-Dedicated-DSO-Facility Termination	Termination	\$17.98	\$55.39	\$17.37	\$27.96	\$3.51
D.3.3	Interoffice Transport-DSO-Incremental Cost-Manual Svc Order vs Electronic	Termination		\$20.35	\$21.09	\$9.80	\$10.54
D.4	Interoffice Transport - Dedicated - DS1						
D.4.1	Interoffice Transport - Dedicated - DS1 - per mile	Mile	\$0.3562				
D.4.2	Interoffice Transport-Dedicated-DS1-Facility Termination	Termination	\$77.86	\$112.40	\$76.27	\$19.55	\$14.99
D.4.3	Interoffice Transport-DS1-Incremental Cost-Manual Svc Order vs Electronic	Termination		\$20.35	\$21.09	\$9.80	\$10.54

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Effective: Upon notification by the TRA

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
D.5	Local Channel (LC) - Dedicated						
D.5.1	Local Channel - Dedicated - 2-wire voice grade	Channel		\$199.33	\$24.16	\$54.81	\$4.80
	Zone 1		\$17.18				
	Zone 2		\$22.44				
	Zone 3		\$29.34				
D.5.2	Local Channel - Dedicated - 4-wire voice grade	Channel		\$201.53	\$24.83	\$55.52	\$5.51
	Zone 1		\$18.18				
	Zone 2		\$23.74				
	Zone 3		\$31.05				
D.5.3	Local Channel - Dedicated - DS1	Channel		\$277.35	\$233.26	\$33.18	\$22.30
	Zone 1		\$36.24				
	Zone 2		\$47.33				
	Zone 3		\$61.89				
D.5.4	LC-Dedicated-2-Wire Voice Grade-Incremental Cost-Manual Svc Order vs Electronic	Channel		\$20.35	\$10.54	\$13.30	\$0.00
D.5.5	LC-Dedicated-4-Wire Voice Grade-Incremental Cost-Manual Svc Order vs Electronic	Channel		\$20.35	\$10.54	\$13.30	\$0.00
D.5.6	LC-Dedicated-DS1-Incremental Cost-Manual Svc Order vs Electronic	Channel		\$45.68	\$1.76	\$21.75	\$1.76
E.0	Signaling Network, Data Bases, & Svc. Mngt Sys.						
E.1	800 Access Ten Digit Screening						
E.1.1	800 Access Ten digit screening (800 ATDS), per call	Call	\$0.0005192				
E.1.2	800 Access Ten digit screening, Reservation Charge per 800 Number Reserved	800 Number Reserved		\$5.21	\$0.76		
E.1.3	800 Access Ten digit screening, Per 800 # Established W/O POTS Translations	800 Number Established		\$11.47	\$1.46	\$7.34	\$0.7602
E.1.4	800 Access Ten digit screening, Per 800 # Established With POTS Translations	800 Number Established		\$11.47	\$1.46	\$7.34	\$0.7602
E.1.5	800 Access Ten digit screening, Customized Area of Service Per 800 Number	800 Number		\$4.47	\$2.24		
E.1.6	800 ATDS, Multiple Intra-ATA CXR Routing Per CXR Requested Per 800 #	800 Number		\$5.23	\$3.00		
E.1.7	800 Access Ten digit screening, Change Charge Per Request	Request		\$5.97	\$0.76		
E.1.8	800 Access Ten digit screening, Call Handling and Destination Features	Request		\$4.47			
E.1.9	800 ATDS, Reserv Chng Per 800 # Reserved-Incrm Cost-Manual Svc Order vs Electr	800 Number Reserved		\$20.35			
E.1.10	800 ATDS, Per 800 # Est'd w/o POTS Transl-Incrm Cost-Manual Svc Order vs Electr	800 Number Established		\$20.35		\$13.28	
E.1.11	800 ATDS, Per 800 # Est'd w/ POTS Transl-Incrm Cost-Manual Svc Order vs Electr	800 Number Established		\$20.35		\$13.28	
E.1.12	800 ATDS, Chng Chrg/Request-Incrm Cost-Manual Svc Order vs Electr	Request		\$20.35			

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Effective: Upon notification by the TRA

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
E.2	Line Information Data Base Access (LIDB)						
E.2.1	LIDB Common Transport per Query	Query	\$0.0000354				
E.2.2	LIDB Validation per Query	Query	\$0.0117403				
E.2.3	LIDB Originating Point Code Establishment or Change	Point Code		\$49.03			
E.2.4	LIDB-Incremental Cost-Manual Svc Order vs Electronic	Point Code		\$20.35			
E.3	CCS7 Signaling Transport						
E.3.1	CCS7 Signaling Connection, per 56kbps facility (A Link or B Link)	56kbps Facility	\$17.84	\$130.84			
E.3.2	CCS7 Signaling Termination, per STP Port	STP Port	\$138.41				
E.3.3	CCS7 Signaling Usage, per call setup message	Message	\$0.0000373				
E.3.4	CCS7 Signaling Usage, per TCAP Message	Message	\$0.0000916				
E.3.5	CCS7 Signaling Usage Surrogate, per 56kbps facility, per LATA per month	56kbps Facility, per LATA	\$352.30				
E.3.6	CCS7-Incremental Cost-Manual Svc Order vs Electronic	56kbps Facility		\$20.35			
F.0	OPERATIONAL SUPPORT SYSTEMS						
F.1.	Operational Support Systems						
F.1.1	OSS Electronic Interface			Included in Loops, Ports, and Local Channels			
F.1.2	OSS OLEC Daily Usage File: Recording, per message	Message	\$0.0000044				
F.1.3	OSS OLEC Daily Usage File: Message distribution/processing, per message	Message	\$0.0027366				
F.1.4	OSS OLEC Daily Usage File: Message Distribution/Processing, per magnetic tape provisioned	Magnetic Tape	\$52.75				
F.1.5	OSS OLEC Daily Usage File: Data Transmission (Connect: Direct), per message	Message	\$0.0000339				
G.0	OPERATOR SVC AND DIRECTORY ASSISTANCE						
G.1	Operator Call Processing (OCP)						
G.1.1	OCP - Op. Provided cost per min - using BST LIDB	Minute	\$1.08				
G.1.2	OCP - Op. Provided cost per min - using foreign LIDB	Minute	\$1.13				
G.1.3	OCP - Fully automated cost per call -using BST LIDB	Call	\$0.1010353				
G.1.4	OCP-Fully automated cost per call-using foreign LIDB	Call	\$0.1228180				
G.1.5	Loading Expense Per Announcement For Branded Announcement	Announcement		\$240.71	\$240.71		
G.1.6	Recording Expense Per Announcement For Branded Announcement	Announcement		\$1,555.00	\$1,553.00	\$7.03	\$7.03

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
G.2	Inward Operator Services (IOS)						
G.2.1	IOS - Verification, per minute	Minute	\$1.03				
G.2.2	IOS - Verification and Emergency Interrupt, per minute	Minute	\$1.03				
G.3	Directory assistance (DA) call completion access service (DACG)						
G.3.1	DACG, per call attempt	Call Attempt	\$0.0364771				
G.4	Number Svcs Intercept Access Service						
G.4.1	Number services intercept per query	Query	\$0.0177930				
G.5	Directory Assistance Access Service						
G.5.1	DA Access Service Calls, cost per call	Call	\$0.2286787				
G.5.2	Loading Expense Per Announcement For Branded Announcement	Announcement		\$240.71	\$240.71		
G.5.3	Recording Expense Per Announcement For Branded Announcement	Announcement		\$1,555.00	\$1,553.00	\$7.03	\$7.03
G.6	Directory Transport (DT)						
G.6.1	DT - Local Channel DS1	Channel	\$40.99	\$277.35	\$233.26	\$33.18	\$22.30
G.6.2	DT - DS1 Level Interoffice per mile	Mile	\$0.3562				
G.6.3	DT - DS1 Level Interoffice per facility termination	Termination	\$77.86	\$112.40	\$76.27	\$19.55	\$14.99
G.6.4	Switched common transport per DA access service per call	Call	\$0.0002710				
G.6.5	Switched common transport per DA access service per call per mile	Call, per Mile	\$0.0000165				
G.6.6	Access Tandem Switching per DA Access service per call	Call	\$0.0001875				
G.6.7	DT-DA Interconnection Per DA Service Call	Call	\$0.0000000				
G.6.8	DT-Installation NRC, Per Trunk or Signaling Connection	Trunk		\$204.62	\$4.43	\$136.09	\$4.43
G.6.9	DT Local Channel DS1-Incremental Cost-Manual Svc Order vs Electronic	Channel		\$45.68	\$1.76	\$21.75	\$1.76
G.6.10	DT Interoffice DS1-Incremental Cost-Manual Svc Order vs Electronic	Termination		\$20.35	\$21.09	\$9.80	\$10.54
G.7	Directory Assistance Data Base Service (DADS)						
G.7.1	DADS Cost per Listing	Listing	\$0.0485				
G.7.2	DADS, Monthly Recurring Cost	Customer	\$104.13				
G.8	Direct Access to Directory Assistance						
G.8.1	Direct access to DA Service, per month	Customer	\$5.729				
G.8.2	Direct access to DA Service, per query	Query	\$0.0493769				
G.8.3	Direct Access to DA Service, Service Establishment Charge	Customer		\$789.74			

BellSouth Telecommunications, Inc. Tennessee Price Schedule

Effective: Upon notification by the TRA

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
G.9	Selective Routing (Interim Solution Line Class Codes)						
G.9.1	Selective Routing Per Unique Line Class Code Per Request Per Switch	Line Class Code, per Switch		\$179.60			
G.9.2	Selective Routing-Incremental Cost-Manual Svc Order vs Electronic	Line Class Code, per Switch		\$20.35			
H.0	COLLOCATION						
	Physical Collocation						
	Cage Construction						
	Planning	per request	\$16.16	\$2,903.66			
	Grounding		\$4.32				
	Cage Preparation	per 100sf cage	\$110.97				
	Cage Preparation	per addl 50sf	\$55.49				
	Land & Building	per 100sf cage	\$594.04				
	Land & Building	per sf cage	\$5.94				
	Cable Racking	per entrance cable	\$21.47				
	Entrance Fiber	per cable	\$2.56	\$944.27			
	Power Delivery	per 40 amp		\$142.40			
		per 100 amp		\$185.72			
		per 200 amp		\$242.05			
	Power Consumption						
	DC Plant	per amp	\$3.55				
	AC Usage	per amp	\$2.03				
	Voice Grade Circuits						
	Connection to MDF	per 100 circuits	\$4.75	\$766.08			
	Connection to MDF	per circuit	\$0.0475	\$7.68			
	DS-1 Circuits						
	Connection to DCS	per 28 circuits	\$215.12	\$1,166.31			
	Connection to DCS	per circuit	\$7.68	\$41.65			
	Connection to DSX	per 28 circuits	\$10.63	\$1,166.31			
	Connection to DSX	per circuit	\$0.38	\$41.65			
	DS-3 Circuits						
	Connection to DCS	per circuit	\$53.96	\$298.03			
	Connection to DSX	per circuit	\$9.32	\$298.03			
	Security Access Cards	per 5 cards		\$76.10			
	Entrance Fiber Structure Charge	per ft innerduct	\$0.0156				

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices									
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect			
H.2	Virtual Collocation (VC)			First	Additional	First	Additional		
H.2.1	VC - Application Cost	Application, per Central Office		\$2,633.00					
H.2.2	VC - Cable Installation Cost Per Cable	Cable		\$1,749.00					
H.2.3	VC - Floor space per sq. ft.	Square Foot	\$3.91						
H.2.4	VC - Floor space power, per ampere	Ampere	\$6.79						
H.2.5	VC - Cable support structure, per entrance cable	Entrance Cable	\$17.87						
H.2.6	VC - 2-wire cross connects	Cross Connect	\$0.57	\$11.62	\$9.90	\$10.36		\$8.66	
H.2.7	VC - 4-wire cross connects	Cross Connect	\$0.57	\$11.81	\$10.04	\$10.44		\$8.67	
H.2.8	VC - DS1 cross connects	Cross Connect	\$1.32	\$32.22	\$17.76	\$10.46		\$8.75	
H.2.9	VC - DS3 cross connects	Cross Connect	\$12.32	\$29.97	\$16.30	\$12.03		\$8.99	
H.2.10	VC - Security Escort - Basic, Per Half Hour	Half Hour		\$33.15	\$20.44				
H.2.11	VC - Security Escort - Overtime, Per Half Hour	Half Hour		\$41.50	\$25.61				
H.2.12	VC - Security Escort - Premium, Per Half Hour	Half Hour		\$49.86	\$30.79				
H.2.13	VC-2-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	\$0.67		\$1.41	
H.2.14	VC-4-Wire Cross Connects-Incrm. Cost - Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	\$0.67		\$1.41	
H.2.15	VC-DS1/DS3 Cross Connects-Incrm. Cost-Manual Svc Order vs Electronic	Cross Connect		\$2.07	\$2.81	\$0.67		\$1.41	
I.0	SERVICE PROVIDER NUMBER PORTABILITY								
I.1	Service Provider Number Portability - RCF								
I.1.1	SPNP - RCF, Per number ported	Number Ported	\$1.24	\$0.46					
I.1.2	SPNP - RCF, Per additional path	Path Service Order, per Location	\$0.15						
I.1.3	SPNP - RCF, Per Service Order, Per Location	Service Order, per Location		\$0.74					
I.2	Service Provider Number Portability - DID								
I.2.1	SPNP - DID, Per Number Ported, Residence	Number Ported		\$0.94					
I.2.2	SPNP - DID, Per Number Ported, Business	Number Ported		\$0.94					
I.2.3	SPNP - DID, Per Service Order, Per Location	Service Order, per Location		\$0.74					
I.2.4	SPNP - DID, per trunk termination, initial	Trunk	\$7.86	\$129.66					
I.2.5	SPNP - DID, per trunk termination, subsequent	Trunk	\$7.69	\$37.32					
I.2.6	SPNP - Manual Svc Order vs Electronic	Trunk		\$20.35	\$21.09	\$13.32		\$14.06	
I.2.7	SPNP - Incremental Cost - Manual Svc Order vs Electronic	Trunk		\$20.35	\$21.09	\$13.32		\$14.06	

**BellSouth Telecommunications, Inc.
Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices						
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect
	Service Provider Number Portability - Manual Svc Order vs. Electronic			First	Additional	First Additional
I.3	Electronic					
I.3.1	SPNP - Incremental Cost - Manual Svc Order vs. Electronic	Service Order, per Location		\$20.35	\$21.09	\$13.32 \$14.06
I.4	Service Provider Number Portability RIPH					
I.4.1	SPNP - RIPH, Functionality, Per Central Office	Central Office		\$180.61		
I.4.2	SPNP - RIPH, Functionality, Per Rearrangement	Rearrangement		\$68.83		
I.5	Service Provider Number Portability RI-PH (SPNP-RI-PH)					
I.5.1	SPNP - RI-PH, per number ported	Number Ported	\$0.87	\$0.34		
I.5.2	SPNP - RI-PH, Per Service Order, Per Location	Service Order, per Location		\$0.74		
J.0	OTHER					
J.1	Dark Fiber					
J.1.1	Dark fiber, per 4 fiber strands, per route mile or fraction thereof	4 Fiber Strands, per Route Mile or Fraction Thereof	\$53.23	\$1,219.22	\$169.75	\$453.22 \$339.34
J.2	Access to Poles, Ducts, Conduits and Rights of Way					
J.2.1	Access to Poles per Pole, Per Foot, Per Year	Pole, per Foot, per Year	\$20.54			
J.2.2	Access to Conduits, Per Foot, Per Year	Foot, per Year	\$0.54			
J.2.3	Access to Interduct, Per Foot, Per Year	Foot, per Year	\$0.45			

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
K.0	ADVANCED INTELLIGENT NETWORK (AIN) SERVICES						
K.1	BellSouth AIN SMS Access Service						
K.1.1	AIN SMS Access Service-Service Establishment, Per State, Initial Setup	State		\$135.56			
K.1.2	AIN SMS Access Service - Port Connection - Dial/Shared Access	Port Connection		\$41.75			
K.1.3	AIN SMS Access Service - Port Connection - ISDN Access	Port Connection		\$41.75			
K.1.4	AIN SMS Access Service - User Identification Codes - Per User ID Code	User ID Code		\$96.63			
K.1.5	AIN SMS Access Service - Security Card, Per User ID Code, Initial or Replacement	User ID Code		\$113.67			
K.1.6	AIN SMS Access Svc - Storage, per unit (100 kilobytes)	100 Kilobytes	\$0.0024				
K.1.7	AIN SMS Access Service - Session, per minute	Minute	\$0.0820123				
K.1.8	AIN SMS Access Svc-Company performed session, per minute	Minute	\$2.27				
K.2	BellSouth AIN Toolkit Service (AIN TS)						
K.2.1	AIN TS - Service Establishment Charge, Per State, Initial Setup	State		\$132.04			
K.2.2	AIN TS - Training Session, Per Customer	Customer		\$7,915.00			
K.2.3	AIN TS - Trigger Access Charge, Per Trigger, per DN, Term, Attempt	Trigger, per DN		\$31.21			
K.2.4	AIN TS - Trigger Access Charge, Per Trigger, per DN, Off Hook Delay	Trigger, per DN		\$31.21			
K.2.5	AIN TS - Trigger Access Charge, Per Trigger, per DN, Off-Hook Immediate	Trigger, per DN		\$85.24			
K.2.6	AIN TS - Trigger Access Charge, Per Trigger, per DN, 10-Digit PODP	Trigger, per DN		\$85.24			
K.2.7	AIN TS - Trigger Access Charge, Per Trigger, per DN, CDP	Trigger, per DN		\$85.24			
K.2.8	AIN TS - Trigger Access Charge, Per Trigger, per DN, Feature Code	Trigger, per DN		\$85.24			
K.2.9	AIN TS - Query Charge, Per Query	Query	\$0.0211882				
K.2.10	AIN TS - Type 1 Node Charge, per AIN Toolkit subscription, per Node, per query	AIN Subscription, per Node, per Query	\$0.0054774				
K.2.11	AIN TS - SCP Storage charge, per SMS access account, per 100 kilobytes	100 Kilobytes	\$1.50				
K.2.12	AIN TS - Monthly report - per AIN TS Subscription	AIN Subscription	\$17.43	\$33.52			
K.2.13	AIN TS - Special study - per AIN TS Subscription	AIN Subscription	\$0.1321116	\$36.23			
K.2.14	AIN TS - Call event report - per AIN TS Subscription	AIN Subscription	\$17.35	\$33.52			
K.2.15	AIN TS - Call event special study - per AIN TS Subscription	AIN Subscription	\$0.0511435	\$36.23			

BellSouth Telecommunications, Inc.

Tennessee Price Schedule

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Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.0	UNBUNDLED LOOP COMBINATIONS (Note 1 - See Last Page of Price Schedule)						
P.1	2-Wire Voice Grade Loop with 2-Wire Line Port	Combination					
	Zone 1		\$14.18				
	Zone 2		\$18.01				
	Zone 3		\$23.02				
P.1.3	2-Wire Voice Grade Loop/Line Port Combo - Switch-as-is	Combination		\$1.03	\$0.29		
	2-Wire Voice Grade Loop/Line Port Combo - NEW	Combination		\$22.14	\$15.25	\$8.45	\$3.91
P.1.4	2-Wire Voice Grade Loop/Line Port Combo - Incremental Cost Manual Svc. Order vs Electronic	Combination		\$30.89	\$7.03		
P.1.5	2-Wire Voice Grade Loop/Line Port Combo - Subsequent Database Update	Combination		\$0.76			
P.1.6	2-Wire Voice Grade Loop/Line Port Combo -Subsequent Database Update - Incremental Manual Svc Order vs. Electronic	Combination		\$7.97			
P.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port	Combination					
	Zone 1		\$18.38				
	Zone 2		\$19.87				
	Zone 3		\$25.52				
P.3.3	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Switch-as-is	Combination		\$8.76	\$5.75		
	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - NEW	Combination		\$45.44	\$29.94	\$8.45	\$3.91
P.3.4	2-Wire Voice Grade Loop with 2-Wire DID Trunk Port Combo - Incremental Cost Manual Svc Order vs. Electronic	Combination		\$41.43	\$9.80		
P.4	2-Wire ISDN Digital Grade Loop with 2-Wire ISDN Digital Line Side Port	Combination					
	Zone 1		\$32.27				
	Zone 2		\$34.78				
	Zone 3		\$44.32				
P.4.3	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Switch-as-is	Combination		\$117.23	\$117.23		
	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - NEW	Combination		\$141.75	\$118.37	\$49.20	\$43.26
P.4.5	2-Wire ISDN Digital Grade Loop/2-Wire ISDN Line Side Port Combo - Non Feature Subsequent Activity	Combination		\$212.88			
P.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port	Combination					
	Zone 1		\$132.58				
	Zone 2		\$150.25				
	Zone 3		\$173.44				
P.5.3	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo- Switch-as-is	Combination		\$328.53	\$328.53		

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices						
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect
				First	Additional	First Additional
	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo- NEW			\$415.53	\$366.90	\$89.28 \$77.43
P. 5.5	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Channel Activation - Per Channel	Channel		\$28.39		
P. 5.6	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward/2way Telephone Numbers	Group of Numbers		\$0.94		
P. 5.7	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Outward Telephone Numbers	Group of Numbers		\$22.36		
P. 5.8	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Inward Telephone Numbers	Group of Numbers		\$44.71		
P. 5.9	4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port Combo-Subsequent Service Order Per Order	Order		\$189.76		
P. 6	2-Wire Voice Grade Extended Loop With DS1 Dedicated Interoffice Transport					
	First 2-Wire Voice Grade with DS1 (excluding mileage)	Combination				
	Zone 1		\$176.10			
	Zone 2		\$181.17			
	Zone 3		\$187.82			
P. 17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12 \$9.12
	Non-Recurring Cost for Extended 2-Wire VG Loop and DS1 Interoffice Transport Combination - NEW	Combination		\$422.72	\$177.91	\$146.05 \$44.50
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562			
	Additional 2-Wire Voice Grade Loop in Same DS1 (excluding mileage)	Loop				
	Zone 1		\$17.47			
	Zone 2		\$22.54			
	Zone 3		\$29.19			
P. 17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42	
P. 17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42	

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P. 7	4-Wire Voice Grade Extended Loop With DS1 Dedicated Interoffice Transport						
	First 4-Wire 56 or 65 kbps Digital Grade Loop with DS1 (excluding mileage)	Combination					
	Zone 1		\$184.24				
	Zone 2		\$191.80				
	Zone 3		\$201.72				
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
P. 17.1	Non-Recurring Cost for Extended 4-Wire VG Loop and DS1 Interoffice Transport Combination - NEW	Combination		\$422.72	\$177.91	\$146.05	\$44.50
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562				
	Additional 4-Wire 56 or 65 kbps in Same DS1 (excluding mileage)	Loop					
	Zone 1		\$25.61				
	Zone 2		\$33.17				
	Zone 3		\$43.09				
P. 17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P. 17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		
P. 8	4-Wire 56 or 64 kbps Extended Digital Loop With Dedicated DS1 Interoffice Transport						
	First 4-Wire 56 or 64 kbps Digital Grade Loop with DS1 (excluding mileage)	Combination					
	Zone 1		\$190.64				
	Zone 2		\$200.16				
	Zone 3		\$212.65				
	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
P. 17.1	Non-Recurring Cost for Extended 4-Wire 56 or 64 kbps Digital Loop and DS1 Interoffice Transport Combination - NEW	Combination		\$417.02	\$173.49	\$146.05	\$44.50
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562				
	Additional 4-Wire 56 or 64 kbps in Same DS1 (excluding mileage)	Loop					
	Zone 1		\$32.01				
	Zone 2		\$41.52				
	Zone 3		\$54.02				
P. 17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P. 17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		

BellSouth Telecommunications, Inc. Tennessee Price Schedule

Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.9	Extended 2-Wire Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport						
	First 2-Wire Local Channel with DS1 (excluding mileage)	Combination					
	Zone 1		\$176.72				
	Zone 2		\$181.98				
	Zone 3		\$188.88				
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Non-Recurring Cost for Extended 2-Wire VG Dedicated Local Channel and DS1 Interoffice Transport Combination - NEW	Combination		\$422.72	\$177.91	\$146.05	\$44.50
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562				
	Additional 2-Wire Voice Grade Channel in Same DS1 (excluding mileage)	Channel					
	Zone 1		\$18.09				
	Zone 2		\$23.35				
	Zone 3		\$30.25				
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P.17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		
P.10	Extended 4-Wire Voice Grade Dedicated Local Channel with Dedicated DS1 Interoffice Transport						
	First 4-Wire Local Channel with DS1 (excluding mileage)	Combination					
	Zone 1		\$177.73				
	Zone 2		\$183.29				
	Zone 3		\$190.59				
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Non-Recurring Cost for Extended 4-Wire VG Dedicated Local Channel and DS1 Interoffice Transport Combination - NEW	Combination		\$422.72	\$177.91	\$146.05	\$44.50
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562				
	Additional 4-Wire Voice Grade Channel in Same DS1 (excluding mileage)	Channel					
	Zone 1		\$19.09				
	Zone 2		\$24.66				
	Zone 3		\$31.96				
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P.17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		

BellSouth Telecommunications, Inc. **Tennessee Price Schedule**

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Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.11	Extended 4-Wire DS1 Digital Loop With Dedicated DS1 Interoffice Transport	Combination					
	First 4-Wire DS1 Digital Loop with DS1 (excluding mileage)						
	Zone 1		\$135.59				
	Zone 2		\$153.26				
	Zone 3		\$176.45				
P.17.1	Non-Recurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch-as-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Non-Recurring Cost for Extended 4-Wire DS1 Digital Loop and DS1 Interoffice Transport Combination - NEW	Combination		\$430.90	\$285.28	\$149.94	\$55.78
	Interoffice Transport - Dedicated - DS1 - Per Mile (Same as D.4.1)	Mile	\$0.3562				
	Additional 4-Wire DS1 Loop in Same DS1 (excluding mileage)	Loop					
	Zone 1		\$57.73				
	Zone 2		\$75.40				
	Zone 3		\$98.59				
P.13	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED DS3						
P.13-1	First DS1 in DS3	Combination	\$1,153.26				
	Zone 1		\$1,170.93				
	Zone 2		\$1,194.12				
	Zone 3						
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	INTEROFFICE TRANSPORT - NEW	Combination		\$903.39	\$379.80	\$161.42	\$67.08
P.13-2	D.6.1 Interoffice Transport - Dedicated - DS3 - Per Mile	Per Mile	\$2.34				
P.13-3	Additional DS1 in same DS3	Loop					
	Zone 1		\$75.45				
	Zone 2		\$93.12				
	Zone 3		\$116.31				
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P.17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		
P.15	4-Wire DS1 Digital Loop With 4-Wire DID Trunk Port	Combination					
	Zone 1		\$93.28				
	Zone 2		\$110.95				
	Zone 3		\$134.14				

BellSouth Telecommunications, Inc.
Tennessee Price Schedule

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Tennessee Interconnection and UNE Prices									
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect			
				First	Additional	First	Additional		
P.15.3	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Switch-as-is	Combination		\$312.91	\$312.91				
P.15.5	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - NEW	Combination		\$342.80	\$257.87	\$61.41		\$48.49	
P.15.6	Per Channel	Channel		\$108.67					
P.15.7	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Telephone Numbers	Group of Numbers		\$88.68					
P.15.8	4-Wire DS1 Digital Loop/4-Wire DID Trunk Port Combo - Subsequent Signaling Charges	Signaling Change		\$22.92					
	Order	Service Order		\$94.88					
P.23	EXTENDED 2-WIRE VOICE GRADE LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT								
P.23-1	Fixed	Combination							
	Zone 1		\$38.35						
	Zone 2		\$43.42						
	Zone 3		\$50.07						
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-is	Combination		\$52.73	\$24.62	\$9.12		\$9.12	
	Nonrecurring - EXTENDED 2-WIRE VOICE GRADE LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT - NEW	Combination		\$219.85	\$89.97	\$142.26		\$41.86	
P.23-2	D.2.1 Interoffice Transport - Dedicated - 2-Wire Voice Grade - Per Mile	Per Mile	\$0.0174						
P.24	EXTENDED 4-WIRE VOICE GRADE LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT								
P.24-1	Fixed	Combination	\$52.00						
	Zone 1		\$52.00						
	Zone 2		\$59.56						
	Zone 3		\$69.48						
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-is	Combination		\$52.73	\$24.62	\$9.12		\$9.12	
	Nonrecurring - EXTENDED 4-WIRE VOICE GRADE LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT - NEW	Combination		\$219.85	\$89.97	\$142.26		\$41.86	
P.24-2	D.12.1 Interoffice Transport - Dedicated - 4-Wire Voice Grade - Per Mile	Per Mile	\$0.0054						

BellSouth Telecommunications, Inc. Tennessee Price Schedule

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Tennessee Interconnection and UNE Prices							
Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.25	EXTENDED DS3 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT						
P.25-1	Fixed	Combination	\$1,228.44				
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Nonrecurring - EXTENDED DS3 DIGITAL LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT - NEW	Combination		\$753.50	\$345.10	\$171.21	\$80.67
P.25-2	D.6.1 Interoffice Transport - Dedicated - DS3 - Per Mile	Per Mile	\$2.34				
P.25-3	A.16.2 High Capacity Unbundled Local Loop - DS3 - Per Mile	Per Mile	\$9.19				
P.26	EXTENDED STS1 DIGITAL LOOP WITH DEDICATED STS1 INTEROFFICE TRANSPORT						
P.26-1	Fixed	Combination	\$1,243.86				
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Nonrecurring - EXTENDED STS1 DIGITAL LOOP WITH DEDICATED STS1 INTEROFFICE TRANSPORT - NEW	Combination		\$753.50	\$345.10	\$171.21	\$80.67
P.26-2	D.10.1 Interoffice Transport - Dedicated - STS-1 - Per Mile	Per Mile	\$2.34				
P.26-3	A.16.16 High Capacity Unbundled Local Loop - STS-1 - Per Mile	Per Mile	\$9.19				
P.51	EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT						
P.51-1	First 2-Wire ISDN in DS1	Combination					
	Zone 1		\$188.66				
	Zone 2		\$195.46				
	Zone 3		\$204.39				
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Nonrecurring - EXTENDED 2-WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT - NEW	Combination		\$422.72	\$177.91	\$146.05	\$44.50

BellSouth Telecommunications, Inc. Tennessee Price Schedule

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Tennessee Interconnection and UNE Prices

Cost Element	Network Elements	Unit	Recurring Rate	Nonrecurring		Disconnect	
				First	Additional	First	Additional
P.51-2	D.4.1 Interoffice Transport - Dedicated - DS1 - Per Mile	Per Mile	\$0.3562				
P.51-3	Additional 2-wire ISDN in same DS1	Loop	\$25.46				
	Zone 1		\$32.26				
	Zone 2		\$41.19				
	Zone 3						
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P.17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		
P.52	EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT						
P.52-1	First in DS1 in STS1	Combination					
	Zone 1		\$1,147.59				
	Zone 2		\$1,165.26				
	Zone 3		\$1,188.45				
P.17.1	Nonrecurring Cost for Extended Loop or Local Channel and Interoffice Combination Switch -As-Is	Combination		\$52.73	\$24.62	\$9.12	\$9.12
	Nonrecurring - EXTENDED 4-WIRE DS1 DIGITAL LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT - NEW	Combination		\$903.39	\$379.80	\$161.42	\$67.08
P.52-2	D.10.1 Interoffice Transport - Dedicated - STS-1 - Per Mile	Per Mile	\$2.34				
P.52-3	Additional DS1 in same STS1	Loop					
	Zone 1		\$75.31				
	Zone 2		\$92.98				
	Zone 3		\$116.17				
P.17.16	Nonrecurring Cost - New Feature Activation for Combination Use Only	Combination		\$5.70	\$4.42		
P.17.103	Nonrecurring Cost - New VG Local Loop for Combination Use Only - Service Order Manual	Combination		\$31.26	\$10.42		
P.58	EXTENDED 4-WIRE 56 OR 64 KBPS DIGITAL LOOP WITH DS0 INTEROFFICE TRANSPORT						
P.58-1	Fixed		\$52.29				
	Zone 1		\$61.80				
	Zone 2		\$74.30				
	Zone 3						

CERTIFICATE OF SERVICE

I hereby certify that on October 24, 2001, a copy of the foregoing document was served on the parties of record as indicated:

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A handwritten signature in black ink, appearing to read 'Timothy Phillips', written over a horizontal line.