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T.R.A. DOCKET ROOM  
April 12, 2004

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VIA HAND DELIVERY

Hon. Deborah Taylor Tate, Chairman  
Tennessee Regulatory Authority  
460 James Robertson Parkway  
Nashville, TN 37238

Re: *Petition for Arbitration of US LEC of Tennessee Inc. of an Amendment to an Interconnection Agreement with BellSouth Telecommunications, Inc. Pursuant to Section 252(b) of the Communications Act of 1934, as amended*

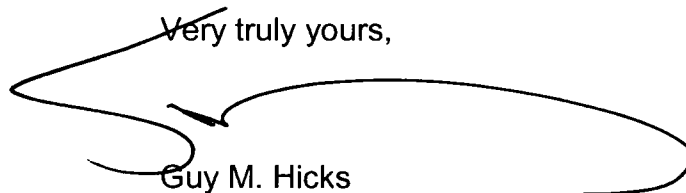
*Petition of US LEC of Tennessee Inc. to Resolve Dispute with BellSouth Telecommunications, Inc. on Change of Law Provisions to the Interconnection Agreement*

Docket No. 04-00089

Dear Chairman Tate.

Enclosed are the original and fourteen copies of BellSouth's Response to US LEC's Petition for Arbitration in the referenced matter. Copies of the enclosed are being provided to counsel for US LEC.

Very truly yours,



Guy M. Hicks

GMH:ch

BEFORE THE TENNESSEE REGULATORY AUTHORITY  
Nashville, Tennessee

*In Re:           Petition for Arbitration of US LEC of Tennessee Inc. of an Amendment to an Interconnection Agreement with BellSouth Telecommunications, Inc. Pursuant to Section 252(b) of the Communications Act of 1934, as amended*

*Petition of US LEC of Tennessee Inc. to Resolve Dispute with BellSouth Telecommunications, Inc. on Change of Law Provisions to the Interconnection Agreement*

Docket No. 04-00089

**BELLSOUTH TELECOMMUNICATIONS, INC.'S RESPONSE TO  
US LEC OF TENNESSEE INC.'S PETITION FOR ARBITRATION**

Pursuant to 47 U.S.C. § 252(b)(3), BellSouth Telecommunications, Inc. ("BellSouth"), responds to the Petition for Arbitration ("Petition") filed by US LEC of Tennessee Inc. ("US LEC") and says:

Sections 251 and 252 of the Telecommunications Act of 1996 ("1996 Act") encourage negotiations between parties to reach local interconnection agreements. Section 251(c)(1) of the 1996 Act requires incumbent local exchange companies to negotiate the particular terms and conditions of agreements to fulfill the duties described in Sections 251(b) and 251(c)(2)-(6).

As part of the negotiation process, the 1996 Act allows a party to petition a state commission for arbitration of unresolved issues.<sup>1</sup> The petition must identify the issues resulting from the negotiations that are resolved, as well as those that are unresolved.<sup>2</sup> The petitioning party must submit along with its petition "all

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<sup>1</sup> 47 U.S.C. § 252(b)(2)

<sup>2</sup> See generally, 47 U.S.C. §§ 252 (b)(2)(A) and 252 (b)(4).

relevant documentation concerning: (1) the unresolved issues; (2) the position of each of the parties with respect to those issues; and (3) any other issues discussed and resolved by the parties.”<sup>3</sup> A non-petitioning party to a negotiation under this section may respond to the other party’s petition and provide such additional information as it wishes within 25 days after a commission receives the petition.<sup>4</sup> The 1996 Act limits a commission’s consideration of any petition (and any response thereto) to the unresolved issues set forth in the petition and in the response.<sup>5</sup>

Through the arbitration process, a commission must resolve the unresolved issues ensuring that the requirements of Sections 251 and 252 of the 1996 Act are met. The obligations contained in those sections of the 1996 Act are the obligations that form the basis for negotiation, and if negotiations are unsuccessful, then form the basis for arbitration. Issues or topics not specifically related to these areas are outside the scope of an arbitration proceeding.

BellSouth and US LEC previously entered into an Interconnection Agreement (“Prior Agreement”) in Tennessee that expired on December 31, 2003. Instead of negotiating a new agreement, US LEC chose to adopt another carrier’s agreement pursuant to Section 252(i) of the 1996 Act. However, because the Federal Communication Commission’s (“FCC”) Triennial Review Order (“TRO”) materially

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<sup>3</sup> 47 U.S.C. § 252(b)(2).

<sup>4</sup> 47 U.S.C. § 252(b)(3)

<sup>5</sup> 47 U.S.C. § 252(b)(4)

altered the terms and conditions of Attachment 2 in the agreement to be adopted, BellSouth requested that the parties negotiate a new Attachment 2 for said agreement, which would be included in US LEC's new agreement ("New Agreement").

The parties have engaged in good faith negotiations in this regard as they have reduced the number of disputed items from 28 to 13. Notwithstanding these good faith efforts, they have been unable to reach agreement on all of the issues related to Attachment 2. As a result, US LEC filed this Petition pursuant to the 1996 Act. Because the Prior Agreement has expired and because US LEC raised this matter pursuant to Section 252(b) of the 1996 Act, US LEC's alternative request for relief pursuant to the Change in Law provision in the Prior Agreement is irrelevant and not necessary to resolve the instant matter.

BellSouth hereby responds to each of the separately numbered paragraphs of US LEC's Petition:

#### **I. THE PARTIES AND CONTACT INFORMATION**

1. BellSouth denies the allegations of Paragraph 1 of Section I of the Petition, except to admit that US LEC is a local exchange service provider in Tennessee.

2. The allegations in Paragraph 2 of Section I of the Petition require no response from BellSouth.

3. The allegations in Paragraph 3 of Section I of the Petition require no response from BellSouth. BellSouth admits the allegations in Paragraph 3 of Section I of the Petition.

4. BellSouth admits the allegations in Paragraph 4 of Section I of the Petition.

5. BellSouth denies the allegations in Paragraph 5 of Section I of the Petition, except to admit that all correspondence, notices, inquiries and orders regarding this Petition should be directed to the undersigned.

## **II. STATEMENT OF FACTS**

6. BellSouth denies Paragraph 6 of Section II, except to admit that, on or about October 8, 2003, BellSouth received a request from US LEC to amend the Prior Agreement to implement the TRO.

7. BellSouth admits Paragraph 7 of Section II of the Petition.

8. BellSouth admits Paragraph 8 of Section II of the Petition.

9. BellSouth denies the allegations contained in Paragraph 9 of Section II of the Petition, except to admit that BellSouth rejected US LEC's proposed TRO Amendment and advised US LEC on November 5, 2003 that BellSouth will present a new Attachment 2 to reflect the changes and modifications that were necessary as a result of the TRO.

10. BellSouth denies the allegations contained in Paragraph 10 of Section II of the Petition, except to admit that BellSouth provided a template agreement for Attachment 2 on December 12, 2003 and that the parties have been negotiating from this template.

11. BellSouth admits the allegations of Paragraph 11 of Section II of the Petition.

12. BellSouth admits the allegations of Paragraph 12 of the Section II of the Petition and states that BellSouth has negotiated in good faith with US LEC regarding Attachment 2 and the TRO. The parties have continued to negotiate and exchange redlines of the Attachment 2 template since the filing of this Petition. The current resolved and unresolved provisions of Attachment 2 are accurately reflected in Exhibit A attached hereto.

13. BellSouth denies the allegations of Paragraph 13 of Section II of the Petition, except to admit that the Prior Agreement expired on December 31, 2003 and that US LEC has previously requested to adopt the agreements of other carriers.

14. BellSouth denies the allegations of Paragraph 14 of Section II of the Petition, except to admit that (1) US LEC requested a negotiation session on March 4, 2004 – only three days after submitting its redlined version of Attachment 2 to BellSouth; (2) the D.C. Court of Appeals issued its decision in USTA v. FCC, No. 000-00012 (D.C. Circuit, Mar. 2, 2004) ("USTA II") on March 2, 2004; and (3) BellSouth requested that negotiations be postponed until the parties had time to consider the effect of D.C. Circuit's decision in USTA II on Attachment 2.

15. BellSouth denies Paragraph 15 of Section II of the Petition, except to admit that US LEC attached Exhibits A and B to its Petition. These exhibits do not accurately reflect the current status of the parties' negotiations.

### **III. JURISDICTION**

16. The referenced provisions of the 1996 Act speak for themselves and require no response from BellSouth. BellSouth agrees with US LEC's calculations

regarding the deadline for filing the Petition and for a decision by the Authority. BellSouth, however, denies any remaining allegations contained in Paragraph 16 of Section III.

17. The referenced provisions of the Prior Agreement and the TRO speak for themselves and require no response from BellSouth. Further, BellSouth denies US LEC's alternative request to invoke the Change in Law provision contained in the Prior Agreement to resolve the instant dispute. As stated above, because the Prior Agreement has expired and because US LEC raised this matter pursuant to Section 252(b) of the 1996 Act, US LEC's alternative request for relief pursuant to the Change of Law request is irrelevant and not necessary to resolve the instant matter. BellSouth denies any remaining allegations contained in Paragraph 17 of Section III.

#### **IV. UNRESOLVED ARBITRATION ISSUES AND THE POSITION OF THE PARTIES**

17a.<sup>6</sup> Although not reflected in separately numbered paragraphs, pages 7 through 25 of the Petition set forth the unresolved issues and the Parties' positions of those unresolved issues as understood by US LEC. BellSouth denies the allegations contained in Paragraph 17a of Section IV of the Petition as well as any allegation that pages 7 through 25 of the Petition accurately and completely set forth BellSouth's positions on the issues. Consistent with Section 252(b)(3) of the 1996 Act, BellSouth prepared an Issues Matrix, attached hereto as Exhibit B, which sets forth a neutral wording of the issues to be decided by the Tennessee

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<sup>6</sup> US LEC's Petition contains two paragraphs enumerated as Number 17. Accordingly, in its Response, BellSouth has designated the second Paragraph 17 as Paragraph 17a

Regulatory Authority ("Authority") and a summary of BellSouth's positions on each of the unresolved issues to be decided by the Authority. BellSouth denies any remaining allegations in pages 7 through 25 of the Petition. Because the parties are still negotiating and some ambiguity remains as to US LEC's position on certain issues, BellSouth reserves the right to modify the Issues Matrix.

## **V. PROCEDURAL MATTERS**

18. BellSouth avers that the referenced provision of the 1996 Act speaks for itself and requires no response from BellSouth. BellSouth has no objection to the Authority issuing a procedural schedule for this matter. BellSouth does specifically object to US LEC's request for a discovery schedule and to the other procedural requests to the extent they conflict with the Authority's procedural practices and Rules. BellSouth denies any remaining allegations in Paragraph 18 of Section V of the Petition.

## **VI. CONCLUSION AND PRAYER**

19. BellSouth denies the allegations in the Paragraph 19 of Section VI of the Petition. BellSouth affirmatively avers that the Authority should reject US LEC's positions on each and every one of the issues set forth herein and, instead, adopt BellSouth's positions on each and every issue set forth herein.

20. BellSouth notes that national and state telecommunications law and policy is in a state of flux, which could impact the issues presented to the Authority for resolution in this arbitration. Indeed, the current legal and regulatory uncertainty may potentially impact even those provisions of the parties' New Agreement that are not currently in dispute. In the event changes and/or



clarifications of the law impact the disputed and/or undisputed provisions of the parties' New Agreement (and the parties are unable to agree on how any such changes and/or clarifications are to be incorporated into the parties' Interconnection Agreement), BellSouth reserves the right to seek further redress from the Authority on those issues as well the right to amend its statement of issues, position statements, and testimony submitted in this proceeding.

21. In addition, US LEC has agreed to dismiss without prejudice its *Complaint by US LEC of Tennessee Inc. against BellSouth Telecommunications, Inc. for Failure to Comply with Section 252(i) and Petition for Approval of Section 252(i) of Adoption of an Existing Interconnection Agreement*, Docket No. 04-00063, filed on February 25, 2004 ("Complaint") and incorporate that Complaint into this arbitration proceeding. However, upon information and belief, US LEC has not amended its Petition for Arbitration or disputed issue list to set forth any allegations or issues that are in the Complaint but not in the Petition. Accordingly, BellSouth reserves the right to amend this Response and Issue Matrix to specifically address any issue or allegation in the Complaint that US LEC intends to litigate in this proceeding. In an abundance of caution, to the extent US LEC has implicitly asserted the allegations raised in the Complaint herein, BellSouth denies those allegations.

22. BellSouth denies each and every allegation in the Petition not expressly admitted herein, and demands strict proof thereof.

Respectfully submitted,

BELLSOUTH TELECOMMUNICATIONS, INC.

By: 

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# **EXHIBIT A**

## **Attachment 2**

### **Network Elements and Other Services**

## TABLE OF CONTENTS

1	INTRODUCTION .....	<u>43</u>
2	UNBUNDLED LOOPS .....	<u>1312</u>
3	LINE SHARING .....	<u>3433</u>
4	LOCAL SWITCHING .....	<u>4039</u>
5	UNBUNDLED NETWORK ELEMENT COMBINATIONS .....	<u>4847</u>
6	TRANSPORT, CHANNELIZATION AND DARK FIBER .....	<u>5251</u>
7	DATABASES .....	<u>5756</u>
8	BELLSOUTH SWITCHED ACCESS (SWA) 8XX TOLL FREE DIALING TEN DIGIT SCREENING SERVICE .....	<u>5857</u>
9	LINE INFORMATION DATABASE (LIDB) .....	<u>5857</u>
10	SIGNALING .....	<u>6160</u>
11	AUTOMATIC LOCATION IDENTIFICATION/DATA MANAGEMENT SYSTEM (ALI/DMS)....	<u>6766</u>
12	CALLING NAME (CNAM) DATABASE SERVICE .....	<u>6766</u>
13	SERVICE CREATION ENVIRONMENT AND SERVICE MANAGEMENT SYSTEM (SCE/SMS) ADVANCED INTELLIGENT NETWORK (AIN) ACCESS .....	<u>6867</u>
14	OPERATIONAL SUPPORT SYSTEMS (OSS) .....	<u>6968</u>
	Rates .....	Exhibit A

## **ACCESS TO NETWORK ELEMENTS AND OTHER SERVICES**

### **1 Introduction**

#### **BELLSOUTH PROPOSED LANGUAGE**

- 1.1 This Attachment sets forth rates, terms and conditions for unbundled network elements (Network Elements) and combinations of Network Elements that BellSouth agrees to offer to US LEC in accordance with its obligations under Section 251(c)(3) of the Act. Additionally, this Attachment sets forth the rates, terms and conditions for other facilities and services BellSouth makes available to US LEC (Other Services). The rates for each Network Element and combination of Network Elements and Other Services are set forth in Exhibit A of this Attachment. Additionally, the provision of a particular Network Element or Other Service may require US LEC to purchase other Network Elements or services. In the event of a conflict between this Attachment and any other section or provision of this Agreement, the provisions of this Attachment shall control.

#### **US LEC PROPOSED LANGUAGE**

- 1.1 This Attachment sets forth rates, terms and conditions for unbundled network elements (Network Elements) and combinations of Network Elements that BellSouth agrees to offer to US LEC in accordance with its obligations under both 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51 or as otherwise required by the [\*\*State Commission TXT\*\*] pursuant to 47 U.S.C. § 252(e)(3). In the event BellSouth is no longer obligated to provide Network Elements or combinations of Network Elements under either 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51, but is obligated to provide access to such Network elements or combinations of Network Elements under § 271 of the Act, US LEC may access these Network Elements or combinations of Network Elements pursuant to this Attachment, and the Parties shall mutually agree upon the rates; such rates not to exceed wholesale rates and to be just, reasonable and non-discriminatory. Additionally, this Attachment sets forth the rates, terms and conditions for other facilities and services BellSouth makes available to US LEC (Other Services). The rates for each Network Element and combination of Network Elements and Other Services are set forth in Exhibit A of this Attachment. Additionally, the provision of a particular Network Element or Other Service may require US LEC to purchase other Network Elements or services. In the event of a conflict between this Attachment and any other section or provision of this Agreement, the provisions of this Attachment shall control.
- 1.2 US LEC may not access a Network Element for the sole purpose of providing "Non-Qualifying Services" as defined by the FCC. For purposes of this Agreement, combinations of Network Elements shall be referred to as "Combinations."

- 1.3 BellSouth shall, upon request of US LEC, and to the extent technically feasible, provide to US LEC access to its Network Elements for the provision of US LEC's Qualifying and Non-Qualifying Services so long as the Network Element will not be used solely for Non-Qualifying Services. If no rate is identified in this Agreement, the rate will be negotiated by the Parties upon request by either Party.
- 1.4 BellSouth shall comply with the requirements as set forth in the technical references within this Attachment 2.

#### **BELLSOUTH PROPOSED LANGUAGE**

- 1.5 To the extent any Network Elements, combinations of Network Elements, services or terms and conditions contained herein are based upon FCC rules and orders that are vacated by the DC Circuit Court of Appeals in an effective order, such Network Elements, combinations of Network Elements and services shall no longer be available pursuant to this Attachment. Upon the effective date of such order, US LEC will not attempt to order any such Network Elements, combinations of Network Elements or services that are subject to the vacatur. BellSouth and US LEC will work cooperatively to transition the embedded base of such Network Elements, combinations of Network Elements and services to tariffed services or to services offered pursuant to a separate commercial agreement, provided that the appropriate tariff rate or rate set forth in such commercial agreement shall apply from the effective date of the vacatur. In the event US LEC has not entered into a separate commercial agreement, or transitioned such services to a tariffed service, or if the parties are unable to agree on a transition schedule for the embedded base Network Elements, combinations of Network Elements or services within thirty (30) calendar days of the effective date of the vacatur, BellSouth may disconnect those Network Elements, combinations of Network Elements or services upon thirty (30) calendar days notice. If US LEC has not entered into a commercial agreement necessary for certain Network Elements, combinations of Network Elements or services, and BellSouth disconnects such Network Elements, combinations of Network Elements or services pursuant to the preceding sentence, BellSouth's then current market rates shall apply to such Network Elements, combinations of Network Elements or services from the effective date of the vacatur until disconnection.

#### **US LEC PROPOSED LANGUAGE – COVERS PARAGRAPHS 1.1, 1.5 AND 1.7**

- 1.5 On March 2, 2004, the United States Court of Appeals for the District of Columbia Circuit issued its decision in *USTA v. FCC et al* (No. 00-1012) on appeal of the FCC Triennial Review Order (FCC 03-36, Docket No. 01-338). The Parties have not incorporated that decision into this Agreement. Notwithstanding anything in this Agreement to the contrary, in the event that as a result of any final and non-appealable decision, order, or determination of any judicial or regulatory authority with jurisdiction over the subject matter hereof, BellSouth is not required to provide access to any unbundled network elements or combinations of such elements, or furnish any service, facility, arrangement, or

benefit required to be furnished or provided to US LEC under this Agreement, then BellSouth may notify US LEC of its intent to discontinue provisioning the specific unbundled network element or combinations of such elements, service, facility, arrangement, or benefit ("Discontinued Element or Combination") to the extent permitted by any such decision, order, or determination by providing written notice to US LEC ("Transition Notice"). Immediately upon provision of such written notice to CLEC will be prohibited from ordering and BellSouth will not provide new Discontinued Element or Combinations.

For embedded Discontinued Element or Combinations, BellSouth and US LEC will work cooperatively together to identify each embedded Discontinued Element or Combination and BellSouth agrees to cooperate fully with US LEC to ensure that a seamless transition is completed without affecting the service quality, availability or performance from US LEC's end user customer perspective. If US LEC has more than one hundred Loops or one hundred Dedicated Transport circuits or more than one hundred Combinations any one of which is subject to a Transition Notice, US LEC shall have a transition period of ninety (90) days after the receipt of a Transition Notice for one or all of such Network Elements or Combinations within which to specify one of the alternative service arrangements set forth herein. If US LEC has less than one hundred Loops or one hundred Dedicated Transport circuits or one hundred Combinations any of which is subject to a Transition Notice, US LEC shall have a transition period of thirty (30) days after receipt of a Transition Notice for such Loops, Transport or Combination, as applicable, to specify one of the alternative service arrangements set forth herein. In either case, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based. The alternative service arrangements are as follows:

1. Conversion to Access Service: US LEC may elect to convert a Discontinued Element or Combination to the analogous access service, if available. Where the Discontinued Element or Combination is converted to an analogous access service, from and after the date on which BellSouth processes US LEC's order, BellSouth will provide such access services at the rates applicable under the term plan selected by US LEC, and in accordance with the terms and conditions, of BellSouth's applicable access tariff, with the effective bill date being the first day following the date on which BellSouth processes US LEC's order. Conversion to an analogous access service shall be accomplished via the applicable LSR or ASR process, or with respect to a significant number of Discontinued Element or Combinations, via spreadsheet, which will be coordinated by the Parties on a project basis. Until the date on which BellSouth processes US LEC's order with respect to a particular Discontinued Element or Combination and converts it to the analogous access service, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions



of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based.

2. **Conversion to Resale Arrangement.** US LEC may elect to convert a Discontinued Element or Combination to a resale arrangement (either under the Agreement or otherwise), if available. Where the Discontinued Element or Combination is converted to a resale arrangement, from and after the date on which BellSouth processes US LEC's order, BellSouth will provide such resale arrangement at the rates, terms and conditions applicable under this Agreement or other contract or, if applicable, the relevant BellSouth tariff, with the effective bill date being the first day following the date on which BellSouth processes US LEC's order. Conversion to a resale arrangement shall be accomplished via the applicable LSR or ASR process, or with respect to a significant number of Discontinued Element or Combinations, via spreadsheet, which will be coordinated by the Parties on a project basis. Until the date on which BellSouth processes US LEC's order with respect to a particular Discontinued Element or Combination and converts it to a resale arrangement, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based.
3. **Conversion to Alternative BellSouth Service Arrangement.** US LEC and BellSouth may mutually agree to convert a Discontinued Element or Combination to some other service arrangement (e.g., a separate agreement at market-based or other rates). Conversion to some other service arrangement shall be accomplished via a process to be mutually agreed upon by the Parties. Until the date on which the conversion is completed per the terms agreed upon by the Parties, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based.
4. **Disconnection of Discontinued Element or Combination:** US LEC may elect to disconnect a Discontinued Element or Combination. Disconnection of a Discontinued Element or Combination shall be accomplished via the applicable LSR or ASR process, or with respect to a significant number of Discontinued Element or Combinations, via spreadsheet, which will be coordinated by the Parties on a project basis. Billing will cease as of the effective date of the disconnect specified by US LEC in its order. Until the date on which BellSouth processes US LEC's disconnect order with respect to a particular Discontinued Element or Combination, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based.

5. Transfer of Service to US LEC's or a Third Party: US LEC may elect to replace a Discontinued Element or Combination with a service provisioned on US LEC's own facilities or those of a third party. BellSouth and US LEC shall use commercially reasonable efforts to expedite the preparation of relevant facilities or the applicable third-party facilities to meet the transition schedules. Until the date on which the transition is completed, BellSouth agrees to continue providing such Discontinued Element or Combination under the rates, terms, and conditions of the Agreement, as the same were in effect as of the day before the effective date of the legal authority on which the Transition Notice is based; provided, however, if undue delays in the transfer process are attributable to US LEC or the third party, BellSouth shall have the right to obtain an equitable adjustment in the rates payable by US LEC for all time periods resulting from all undue delays.

If at the end of the applicable transition period specified herein, US LEC has not designated an alternative service arrangement for a Discontinued Element or Combination, BellSouth may convert such Discontinued Element or Combination to an analogous access service, if available, and provide such access service at the month-to-month rates, and in accordance with the terms and conditions of the applicable BellSouth access tariff, with the effective billing date being the first day following the applicable transition period; provided that if no analogous access service is available, BellSouth may disconnect such Discontinued Element or Combination.

#### **BELLSOUTH PROPOSED LANGUAGE**

- 1.6 Upon request, BellSouth shall convert a wholesale service, or group of wholesale services, to the equivalent unbundled Network Element, or combination of Network Elements that is available to US LEC under 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51. Nonrecurring switch as is rates for conversion of Network Elements are contained in Exhibit A of this Attachment. Any price change resulting from the conversion will be effective as of the next billing cycle following BellSouth's receipt of a complete and accurate conversion request from US LEC. Conversion of a wholesale service or group of wholesale services shall be considered termination for purposes of any volume and/or term commitments and/or grandfathered status between US LEC and BellSouth. Any change from a wholesale service to a Network Element that requires a physical rearrangement of the Network Element will not be considered a conversion for purposes of this Agreement.) BellSouth will not require physical rearrangement if the conversion can be completed through record changes only.

#### **US LEC PROPOSED LANGUAGE**

- 1.6 Upon request, BellSouth shall convert a wholesale service, or group of wholesale services, to the equivalent unbundled Network Element, or combination of Network Elements that is available to US LEC under 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51. Any price change resulting from the conversion will be

effective as of the next billing cycle following BellSouth's receipt of a complete and accurate conversion request from US LEC. Conversion of a wholesale service or group of wholesale services shall be considered termination for purposes of any volume and/or term commitments and/or grandfathered status between US LEC and BellSouth. Any change from a wholesale service to a Network Element that requires a physical rearrangement of the Network Element will not be considered a conversion for purposes of this Agreement.) BellSouth will not require physical rearrangement if the conversion can be completed through record changes only.

### **BELLSOUTH PROPOSED LANGUAGE 1.7-1.7.2**

- 1.7 Except to the extent expressly provided otherwise in this Attachment, for Network Elements or combinations of Network Elements (collectively "Arrangements") that are no longer offered pursuant to, or are not in compliance with, the terms set forth in this Agreement (for example, but not limited to, local channels or non-compliant EELs), US LEC will submit orders to rearrange, disconnect or convert those arrangements or services within thirty (30) calendar days of the last signature date of this Agreement. If orders to rearrange, disconnect or convert those Arrangements are not received by the thirty-first (31<sup>st</sup>) calendar day after the last signature date of this Agreement, BellSouth shall provide US LEC notice of those Arrangements that are no longer offered pursuant to, or are not in compliance with, the terms set forth in this Agreement, and US LEC shall submit orders to rearrange, disconnect or convert those Arrangements within sixteen (16) calendar days of the date of such notice from BellSouth. If US LEC fails to submit orders to rearrange, disconnect or convert such Arrangements within sixteen (16) calendar days of BellSouth's notice, BellSouth may disconnect those Arrangements without further notice.
- 1.7.1 In the event all orders to rearrange, disconnect or convert Arrangements are not received by the thirty-first (31<sup>st</sup>) calendar day after the last signature date of this Agreement, then 1) in the event no orders to rearrange, disconnect or convert an Arrangement are submitted prior to the thirtieth (30<sup>th</sup>) calendar day after BellSouth's notice, US LEC shall pay BellSouth the rate BellSouth could have charged had US LEC transitioned those Arrangements to another tariffed or contract service arrangement beginning on the Effective Date of this Agreement to the date orders to rearrange, disconnect or convert such Arrangements or services are actually completed; or 2) in the event orders to rearrange, disconnect or convert an Arrangement are submitted prior to the thirtieth (30<sup>th</sup>) calendar day after BellSouth's notice, US LEC shall pay BellSouth the rate charged for such Arrangements under this Agreement until the date orders to rearrange, disconnect or convert such Arrangements or services are actually completed and the new rate applicable to such services as specified in BellSouth's tariffs or in a separate contract once the orders are actually completed. If US LEC has failed to identify at least 98% of the Arrangements that are no longer offered pursuant to, or are not

in compliance with, the terms set forth in this Agreement prior to the thirty-first (31<sup>st</sup>) calendar day after the last signature date of this Agreement, then US LEC shall reimburse BellSouth for labor incurred in identifying such Network Elements or combinations of Network Elements pursuant to the rates set forth in the Access Tariff.

- 1.7.2 Where no re-termination or physical rearrangement of the Arrangement is required, US LEC will be charged a non-recurring switch-as-is-charge established for the individual Network Elements(s) as set forth in Exhibit A. For arrangements that require a re-termination or other physical rearrangement of the Arrangement to comply with the terms of this Agreement, full non-recurring charges for the applicable Network Element from Exhibit A of this Attachment will apply. To the extent an Arrangement requires re-termination or other physical rearrangement in order to comply with a tariff or separate agreement, the applicable rates, terms and conditions of such tariff or separate agreement shall apply. US LEC shall be responsible for all applicable disconnection charges pursuant to this Agreement for Arrangements that are disconnected or rearranged pursuant to these Sections 1.7 – 1.7.1.
- 1.7.3 US LEC may utilize Network Elements and Other Services to provide services as long as such use is consistent with industry standards and applicable BellSouth Technical References.

#### **BELLSOUTH PROPOSED LANGUAGE**

- 1.7.4 BellSouth will perform Routine Network Modifications in accordance with FCC 47 C.F.R. 51.319 (a)(8) and (e)(5). Except to the extent expressly provided otherwise in this Attachment, if BellSouth has anticipated such Routine Network Modifications and performs them during normal operations and has recovered the costs for performing such modifications through the rates set forth in Exhibit A of this Attachment, then BellSouth shall perform such Routine Network Modifications at no additional charge. Routine Network Modifications shall be performed within the intervals established for the UNE and subject to the performance measurements and associated remedies set forth in Attachment 9 to the extent such Routine Network Modifications were anticipated in the setting of such intervals. If BellSouth has not anticipated a requested network modification as being a Routine Network Modification and has not recovered the costs of such Routine Network Modifications in the rates set forth in Exhibit A of this Attachment, then US LEC must submit a service inquiry (SI) to have the work performed. Each request will be handled as a project on an individual case basis. BellSouth will provide a price quote for the request, and upon receipt of payment from US LEC, BellSouth shall perform the Routine Network Modification. The request may not be used to place fiber.

#### **US LEC PROPOSED LANGUAGE**

- 1.7.4 Except to the extent expressly provided otherwise in this Attachment, if a Network Element is not readily available but can be made available through routine network modifications, pursuant to 47 C.F.R. Part 51, US LEC may request BellSouth to perform such routine network modifications. If BellSouth has anticipated such Routine Network Modifications and performs them during normal operations, then BellSouth shall perform such Routine Network Modifications at no additional charge. If BellSouth has not anticipated a requested or necessary network modification as being a Routine Network Modification and, as such, has not recovered the costs of such Routine Network Modifications in the rates set forth in Exhibit A of this Attachment, then BellSouth shall notify US LEC of the Required Network Modification and shall request that US LEC submit a service inquiry (SI) to have the work performed. Each unique request will be handled as a project on an individual case basis. BellSouth will provide a TELRIC-compliant price quote for the request, and upon receipt of a firm order from US LEC, BellSouth shall perform the routine network modifications.

#### **BELLSOUTH PROPOSED LANGUAGE**

- 1.7.5 Notwithstanding any other provision of this Agreement, BellSouth will not commingle Network Elements or combinations of Network Elements with any service, network element or other offering that it is obligated to make available only pursuant to Section 271 of the Act.

#### **US LEC PROPOSED LANGUAGE**

- 1.7.5 ~~Notwithstanding any other provision of this Agreement, BellSouth will commingle or combine Network Elements or combinations of Network Elements with any service, network element or other offering that it is obligated to make available pursuant to Section 271 of the Act.~~

#### **1.8 Commingling of Services**

#### **BST PROPOSED LANGUAGE**

- 1.8.1 Commingling means the connecting, attaching, or otherwise linking of a Network Element, or a Network Element combination, to one or more telecommunications services or facilities that US LEC has obtained at wholesale from BellSouth, or the combining of a Network Element or Network Element combination with one or more such wholesale telecommunications services or facilities.

#### **US LEC PROPOSED LANGUAGE**

- 1 8.1 Commingling means the connecting, attaching, or otherwise linking of a Network Element, or a Network Element combination, to one or more services or facilities that US LEC has obtained at wholesale from BellSouth, or the combining of a Network Element or Network Element combination with one or more such wholesale services or facilities.

- 1.8.2 Subject to the limitations set forth elsewhere in this Attachment, BellSouth shall not deny access to a Network Element or a combination of Network Elements on the grounds that one or more of the elements: 1) is connected to, attached to, linked to, or combined with such a facility or service obtained from BellSouth; or 2) shares part of BellSouth's network with access services or inputs for non-qualifying services.
- 1.8.3 BellSouth will not "ratchet" a commingled circuit. Unless otherwise agreed to by the Parties, the Network Element portion of such circuit will be billed at the rates set forth in this Agreement and the remainder of the circuit or service will be billed in accordance with BellSouth's tariffed rates or rates set forth in a separate agreement between the Parties.

#### **BST PROPOSED LANGUAGE**

- 1.8.4 When multiplexing equipment is attached to a commingled circuit, the multiplexing equipment will be billed from the same jurisdictional authorization (Agreement or tariff) as the high bandwidth of service and the Central Office Channel Interfaces will be billed from the same jurisdictional authorization (Agreement or tariff) as the lower bandwidth of service.

#### **US LEC PROPOSED LANGUAGE**

- 1.8.4 When multiplexing equipment is attached to a commingled circuit, the multiplexing equipment and Central Office Channel Interfaces will be billed from the same jurisdictional authorization (Agreement or tariff) as the lower bandwidth of service.
- 1.9 If US LEC reports a trouble on a Network Element or Other Service and no trouble actually exists on the BellSouth portion, BellSouth will charge US LEC for any dispatching and testing (both inside and outside the Central Office (CO)) required by BellSouth in order to confirm the working status
- 1.10 Rates
- 1.10.1 The prices that US LEC shall pay to BellSouth for Network Elements and Combinations of Network Elements and Other Services are set forth in Exhibit A to this Attachment. To the extent a rate is required to be TELRIC-compliant, the rate in Exhibit A of this Attachment shall be TELRIC-compliant, and if Commission approved, is the Commission approved rate. If US LEC purchases a service(s) from a tariff, all terms and conditions and rates as set forth in such tariff shall apply.
- 1.10.2 Rates, terms and conditions for order cancellation charges and Service Date Advancement Charges will apply in accordance with Attachment 6 and are incorporated herein by this reference.

1.10.3 If US LEC modifies an order after being sent a Firm Order Confirmation (FOC) from BellSouth, an Order Modification Charge (OMC) will be paid by US LEC in accordance with FCC No. 1 Tariff, Section 5.3, if billed by BellSouth.

1.10.4 A one-month minimum billing period shall apply to all Network Elements and Combination of Network Elements and Other Services.

## **2 Unbundled Loops**

### **2.1 General**

The local loop is as defined in 47 C.F.R. Part 51.319(a). Facilities that do not constitute loops as defined under 47 C.F.R. Part 51.319(a), including, by way of example, but not limited to, facilities that terminate to another carrier's switch, a cell site, Mobile Switching Center or base station, do not constitute local loops. US LEC shall purchase the entire bandwidth of the loop and, except as required herein or as otherwise agreed to by the Parties, BellSouth shall not subdivide the frequency of the loop.

2.1.1.1 BellSouth shall provide access to the unbundled local loops set forth in this Attachment (Loop).

2.1.1.2 The Loop does not include any packet switched features, functions or capabilities.

2.1.1.3 New builds. An incumbent LEC is not required to provide nondiscriminatory access to a fiber-to-the home loop on an unbundled basis when the incumbent LEC deploys such a loop to an End User customer premises that previously has not been served by any loop facility.

2.1.1.4 In FTTH overbuild situations where BellSouth also has copper Loops, BellSouth will make those copper Loops available to US LEC on an unbundled basis, until such time as BellSouth chooses to retire those copper Loops using the FCC's network disclosure requirements. In these cases, BellSouth will provide nondiscriminatory access to a 64kbps transmission path capable of voice grade service over its FTTH on an unbundled basis.

### **BELLSOUTH PROPOSED LANGUAGE**

2.1.1.5 Furthermore, in FTTH overbuild areas, BellSouth is not obligated to ensure that copper Loops in that area are capable of transmitting signals prior to receiving a request for access to such Loops by US LEC. If a request is received by BellSouth for a copper Loop, BellSouth will restore the copper Loop to serviceable condition if technically feasible. BellSouth will determine the feasibility of restoring the copper within 60 calendar days of the request and will inform US LEC of the results. If BellSouth is unable to restore the copper Loop to serviceable condition, BellSouth will make a 64kbps narrowband voice grade channel available to US LEC over its FTTH facilities as described in § 2.1.1.3 above.

**US LEC PROPOSED LANGUAGE**

- 2.1.1.5 Furthermore, in FTTH overbuild areas, BellSouth is not obligated to ensure that copper Loops in the area are capable of transmitting signals prior to receiving a request for access to such Loops by US LEC. If a request is received by BellSouth for a copper Loop, BellSouth will restore the copper Loop to serviceable condition; provided, however, BellSouth will have 10 business days from the date of the request to notify US LEC either that:
- 1) the condition of the copper Loop has degraded to such a degree that BellSouth is unable to restore such Loop to serviceable condition. BellSouth will provide US LEC results of any tests that supports such determination. Upon such notification, US LEC may either dispute the determination or request BellSouth to make a 64 kbps narrowband voice grade channel available to US LEC over its FTTH facilities as described in § 2.1.1.3; or
  - 2) BellSouth is able to restore the copper Loop to serviceable condition, and the parties will mutually agree to the applicable provisioning interval.
- 2.1.1.6 For hybrid loops, where US LEC seeks access to a hybrid loop for the provision of broadband services, BellSouth shall provide US LEC with nondiscriminatory access to the time division multiplexing features, functions and capabilities of that hybrid loop, including DS1 or DS3, on an unbundled basis to establish a complete transmission path between BellSouth's central office and an End User's customer premises.
- 2.1.1.7 US LEC may not purchase Loops or convert Special Access circuits to Loops if such Loops will be used to provide wireless telecommunications services.
- 2.1.2 The provisioning of a Loop to a collocation space will require cross office cabling and cross connections within the central office to connect the Loop to the demarcation point associated with the collocation space. These cross connects are separate components that are not considered a part of the Loop, and thus, have a separate charge.
- 2.1.3 Where facilities are available, BellSouth will install Loops in compliance with BellSouth's Products and Services Interval Guide available at the website at <http://www.interconnection.bellsouth.com>. For orders of fifteen (15) or more Loops, the installation and any applicable Order Coordination as described below will be handled on a project basis, and the intervals will be set by the BellSouth project manager for that order. When Loops require a Service Inquiry (SI) prior to issuing the order to determine if facilities are available, the interval for the SI process is separate from the installation interval.
- 2.1.4 The Loop shall be provided to US LEC in accordance with BellSouth's TR73600 Unbundled Local Loop Technical Specification and applicable industry standard technical references.



- 2.1.5 BellSouth will provision, maintain and repair the Loops to the standards that are consistent with the type of Loop ordered.
- 2.1.5.1 When a BellSouth technician is required to be dispatched to provision the Loop, BellSouth will tag the Loop with the Circuit ID number and the name of the ordering CLEC. When a dispatch is not required to provision the Loop, BellSouth will tag the Loop on the next required visit to the End User's location. If US LEC wants to ensure the Loop is tagged during the provisioning process for Loops that may not require a dispatch (e.g. UVL-SL1, UVL-SL2, and UCL-ND), US LEC may order Loop Tagging. Rates for Loop Tagging as set forth in Exhibit A of this Attachment.
- 2.1.5.2 In the event BellSouth must dispatch to the end-user's location more than once due to incorrect or incomplete information provided by US LEC (e.g., incomplete address, incorrect contact name/number, etc.), BellSouth will bill US LEC for each additional dispatch required to provision the circuit due to the incorrect/incomplete information provided. BellSouth will assess the applicable Trouble Determination rates from BellSouth's FCC or state tariffs.
- 2.1.6 **Loop Testing/Trouble Reporting**
- 2.1.6.1 US LEC will be responsible for testing and isolating troubles on the Loops. US LEC must test and isolate trouble to the BellSouth portion of a designed/non-designed unbundled Loop (e.g., UVL-SL2, UCL-D, UVL-SL1, UCL-ND, etc.) before reporting repair to the UNE Customer Wholesale Interconnection Network Services (CWINS) Center. Upon request from BellSouth at the time of the trouble report, US LEC will be required to provide the results of the US LEC test which indicate a problem on the BellSouth provided Loop.
- 2.1.6.2 Once US LEC has isolated a trouble to the BellSouth provided Loop, and had issued 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 End Users.
- 2.1.6.3 If US LEC reports a trouble on a non-designed or designed Loop and no trouble actually exists, BellSouth will charge US LEC for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the Loop's working status. If, US LEC reports the same trouble on the same Network Element within thirty (30) calendar days of BellSouth's notification to US LEC of its disposition of the prior trouble, and BellSouth is able to determine that such trouble does exist on BellSouth's network, US LEC shall be credited on the next billing cycle for charges associated with the prior trouble.
- 2.1.6.4 In the event BellSouth must dispatch to the end-user's location more than once due to incorrect or incomplete information provided by US LEC (e.g., incomplete address, incorrect contact name/number, etc.), BellSouth will bill US LEC for

each additional dispatch required to repair the circuit due to the incorrect/incomplete information provided. BellSouth will assess the applicable Trouble Determination rates from BellSouth's FCC or state tariffs.

2.1.7 **Order Coordination and Order Coordination-Time Specific**

2.1.7.1 "Order Coordination" (OC) allows BellSouth and US LEC to coordinate the installation of the SL2 Loops, Unbundled Digital Loops (UDL) and other Loops where OC may be purchased as an option, to US LEC's facilities to limit End User service outage. OC is available when the Loop is provisioned over an existing circuit that is currently providing service to the End User. OC for physical conversions will be scheduled at BellSouth's discretion during normal working hours on the committed due date. OC shall be provided in accordance with the chart set forth below.

2.1.7.2 "Order Coordination – Time Specific" (OC-TS) allows US LEC to order a specific time for OC to take place. BellSouth will make every effort to accommodate US LEC's specific conversion time request. However, BellSouth reserves the right to negotiate with US LEC a conversion time based on load and appointment control when necessary. This OC-TS is a chargeable option for all Loops except Unbundled Copper Loops (UCL) and is billed in addition to the OC charge. US LEC may specify a time between 9:00 a.m. and 4:00 p.m. (location time) Monday through Friday (excluding holidays). If US LEC 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 based on the amount of overtime worked and in accordance with the rates established in the Access Services Tariff, Section E13.2, for each state. The OC-TS charges for an order due on the same day at the same location will be applied on a per Local Service Request (LSR) basis.

2.1.8 **CLEC to CLEC Conversions for Unbundled Loops**

2.1.8.1 The CLEC to CLEC conversion process for unbundled Loops may be used by US LEC when converting an existing unbundled Loop from another CLEC for the same End User. The Loop type being converted must be included in US LEC's Interconnection Agreement before requesting a conversion.

2.1.8.2 To utilize the CLEC to CLEC conversion process, the Loop being converted must be the same Loop type with no requested changes to the Loop, must serve the same End User location from the same serving wire center, and must not require an outside dispatch to provision.

2.1.8.3 The Loops converted to US LEC pursuant to the CLEC to CLEC conversion process shall be provisioned in the same manner and with the same functionality and options as described in this Attachment for the specific Loop type.

2.1.8.4

	<b>Order Coordination (OC)</b>	<b>Order Coordination – Time Specific (OC-TS)</b>	<b>Test Points</b>	<b>DLR</b>	<b>Charge for Dispatch and Testing if No Trouble Found</b>
<b>SL-1 (Non-Designed)</b>	Chargeable Option	Chargeable Option	Not available	Chargeable Option – ordered as Engineering Information Document	Charged for Dispatch inside and outside Central Office
<b>UCL-ND (Non-Designed)</b>	Chargeable Option	Not Available	Not Available	Chargeable Option – ordered as Engineering Information Document	Charged for Dispatch inside and outside Central Office
<b>Unbundled Voice Loops - SL-2 (including 2- and 4-wire UVL) (Designed)</b>	Included	Chargeable Option	Included	Included	Charged for Dispatch outside Central Office
<b>Unbundled Digital Loop (Designed)</b>	Included	Chargeable Option (except on Universal Digital Channel)	Included (where appropriate)	Included	Charged for Dispatch outside Central Office
<b>Unbundled Copper Loop (Designed)</b>	Chargeable in accordance with Section 2	Not available	Included	Included	Charged for Dispatch outside Central Office
For UVL-SL1 and UCLs, US LEC must order and will be billed for both OC and OC-TS if requesting OC-TS.					

2.1.9 **Bulk Migration**

2.1.9.1 If US LEC requests to migrate twenty-five (25) or more UNE-Port/Loop Combination (UNE-P) customers to UNE-Loop (UNE-L) in the same Central Office on the same due date, US LEC must use the Bulk Migration process, which is described in the BellSouth CLEC Information Package, “UNE-Port/Loop Combination (UNE-P) to UNE-Loop (UNE-L) Bulk Migration.” This CLEC Information package, incorporated herein by reference as it may be amended from time to time, is located at [www.interconnection.bellsouth.com/guides/html/unec.html](http://www.interconnection.bellsouth.com/guides/html/unec.html). The rates for the

Bulk Migration process shall be the nonrecurring rates associated with the Loop type being requested on the Bulk Migration, as set forth in Exhibit A of this Attachment. Additionally, OSS charges will also apply per LSR generated per customer account as provided for in the Bulk Migration Request. The migration of loops from Integrated Digital Loop Carrier (IDLC) will be done pursuant to Section 2.6 of this Attachment.

#### 2.1.10 **Ordering Guidelines and Processes**

- 2.1.10.1 For information regarding Ordering Guidelines and Processes for various UNEs, US LEC should refer to the "Guides" section of the BellSouth Interconnection website, which is incorporated herein by reference, as amended from time to time. The website address is: <http://www.interconnection.bellsouth.com/>
- 2.1.10.2 Additional information may also be found in the individual CLEC Information Packages, as amended from time to time and which are incorporated herein by reference, located at the "CLEC UNE Products" website at the following address: <http://www.interconnection.bellsouth.com/guides/html/unec.html>

#### 2.2 **Unbundled Voice Loops (UVLs)**

- 2.2.1 BellSouth shall make available the following UVLs:
  - 2.2.1.1 2-wire Analog Voice Grade Loop – SL1 (Non-Designed)
  - 2.2.1.2 2-wire Analog Voice Grade Loop – SL2 (Designed)
  - 2.2.1.3 4-wire Analog Voice Grade Loop (Designed)
- 2.2.2 Unbundled Voice Loops (UVL) may be provisioned using any type of facility that will support voice grade services. This may include loaded copper, non-loaded copper, digital loop carrier systems, fiber/copper combination (hybrid loop) or a combination of any of these facilities. BellSouth, in the normal course of maintaining, repairing, and configuring its network, may also change the facilities that are used to provide any given voice grade circuit. This change may occur at any time. In these situations, BellSouth will only ensure that the newly provided facility will support voice grade services. BellSouth will not guarantee that US LEC will be able to continue to provide any advanced services over the new facility. BellSouth will offer UVL in two different service levels - Service Level One (SL1) and Service Level Two (SL2).
- 2.2.3 Unbundled Voice Loop - SL1 (UVL-SL1) Loops are 2-wire Loop start circuits, will be non-designed, and will not have remote access test points. OC will be offered as a chargeable option on SL1 Loops when reuse of existing facilities has been requested by US LEC. US LEC may also order OC-TS when a specified conversion time is requested. OC-TS is a chargeable option for any coordinated order and is billed in addition to the OC charge. An Engineering Information (EI)

document can be ordered as a chargeable option. The EI document provides Loop Make-Up information which is similar to the information normally provided in a Design Layout Record (DLR). Upon issuance of a non-coordinated 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 End Users.

- 2.2.4 For an additional charge BellSouth will make available Loop Testing so that US LEC may request further testing on new UVL-SL1 Loops. Rates for Loop Testing are as set forth in Exhibit A of this Attachment.
- 2.2.5 Unbundled Voice Loop – SL2 (UVL-SL2) Loops may be 2-wire or 4-wire circuits, shall have remote access test points, and will be designed with a DLR provided to US LEC. SL2 circuits can be provisioned with loop start, ground start or reverse battery signaling. OC is provided as a standard feature on SL2 Loops. The OC feature will allow US LEC 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.

### 2.3 **Unbundled Digital Loops**

- 2.3.1 BellSouth will offer Unbundled Digital Loops (UDL). UDLs are service specific, will be designed, will be provisioned with test points (where appropriate), and will come standard with OC and a DLR. The various UDLs are intended to support a specific digital transmission scheme or service.
- 2.3.2 BellSouth shall make available the following UDLs, subject to restrictions set forth herein:
  - 2.3.2.1 2-wire Unbundled ISDN Digital Loop
  - 2.3.2.2 2-wire Unbundled ADSL Compatible Loop
  - 2.3.2.3 2-wire Unbundled HDSL Compatible Loop
  - 2.3.2.4 4-wire Unbundled HDSL Compatible Loop
  - 2.3.2.5 4-wire Unbundled DS1 Digital Loop
  - 2.3.2.6 4-wire Unbundled Digital Loop/DS0 – 64 kbps, 56 kbps and below
  - 2.3.2.7 DS3 Loop
  - 2.3.2.8 STS-1 Loop

- 2.3.3 2-Wire Unbundled ISDN Digital Loops will be provisioned according to industry standards for 2-Wire Basic Rate ISDN services and will come standard with a test point, OC, and a DLR. US LEC 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.
- 2.3.3.1 Upon the last signatory date hereof, Universal Digital Channel (UDC) elements will no longer be offered by BellSouth and no new orders for UDC will be accepted. Any existing UDCs that were provisioned prior to the last signatory date hereof will be grandfathered at the rates set forth in the Parties' interconnection agreement that was in effect immediately prior to the last signatory date hereof. Existing UDCs that were provisioned prior to the last signatory date hereof may remain connected, maintained and repaired according to BellSouth's TR73600 until such time as they are disconnected by US LEC or BellSouth provides ninety (90) calendar days written notice that such UDC must be terminated. US LEC may order an ISDN loop, if available, to provide the same functionality as the previously offered UDC product.
- 2.3.4 2-Wire ADSL-Compatible Loop. This is a designed Loop that is provisioned according to Revised Resistance Design (RRD) criteria and may be up to 18,000 feet long and may have up to 6,000 feet of bridged tap (inclusive of Loop length). The Loop is a 2-wire circuit and will come standard with a test point, OC, and a DLR.
- 2.3.5 2-Wire or 4-Wire HDSL-Compatible Loop. This is a designed Loop that meets Carrier Serving Area (CSA) specifications, may be up to 12,000 feet long and may have up to 2,500 feet of bridged tap (inclusive of Loop length). It may be a 2-wire or 4-wire circuit and will come standard with a test point, OC, and a DLR.
- 2.3.6 4-Wire Unbundled DS1 Digital Loop. This is a designed 4-wire Loop that is provisioned according to industry standards for DS1 or Primary Rate ISDN services and will come standard with a test point, OC, and a DLR. A DS1 Loop may be provisioned over a variety of loop transmission technologies including copper, HDSL-based technology or fiber optic transport systems. It will include a 4-Wire DS1 Network Interface at the End User's location.
- 2.3.7 4-Wire Unbundled Digital/DS0 Loop. These are designed 4-wire Loops that may be configured as 64kbps, 56kbps, 19kbps, and other sub-rate speeds associated with digital data services and will come standard with a test point, OC, and a DLR.
- 2.3.8 DS3 Loop. DS3 Loop is a two-point digital transmission path which provides for simultaneous two-way transmission of serial, bipolar, return-to-zero isochronous digital electrical signals at a transmission rate of 44.736 megabits per second (Mbps). It may provide transport for twenty-eight (28) DS1 channels, each of which provides the digital equivalent of twenty-four (24) analog voice grade

channels. The interface to unbundled dedicated DS3 transport is a metallic-based electrical interface.

- 2.3.9 STS-1 Loop. STS-1 Loop is a high-capacity digital transmission path with SONET VT1.5 mapping. It is a two-point digital transmission path which provides for simultaneous two-way transmission of serial bipolar return-to-zero synchronous digital electrical signals at a transmission rate of 51.84 megabits per second (Mbps). It may provide transport for twenty-eight (28) DS1 channels, each of which provides the digital equivalent of twenty-four (24) analog voice grade channels. The interface to unbundled dedicated STS-1 transport is an optical interface.
- 2.3.10 Both DS3 Loop and STS-1 Loop require a Service Inquiry (SI) in order to ascertain availability.
- 2.3.11 If DS3/STS-1 Loops are not readily available but can be made available through routine network modifications, pursuant to 47 C.F.R. Part 51, US LEC may request BellSouth to perform such routine network modifications as set forth in Section 1.7.4.
- 2.3.12 DS3 services come with a test point and a DLR. Mileage is airline miles, rounded up and a minimum of one mile applies. BellSouth TR 73501 LightGate® Service Interface and Performance Specifications, Issue D, June 1995 applies to DS3 services.
- 2.3.13 US LEC may access a total of two (2) DS3s per End User location at the Network Element rates set forth in Exhibit A.

## **2.4 Unbundled Copper Loops (UCL)**

- 2.4.1 BellSouth shall make available Unbundled Copper Loops (UCLs). The UCL is a copper twisted pair Loop that is unencumbered by any intervening equipment (e.g., filters, load coils, range extenders, digital loop carrier, or repeaters) and is not intended to support any particular telecommunications service. The UCL will be offered in two types – Designed and Non-Designed.
- 2.4.2 **Unbundled Copper Loop – Designed (UCL-D)**
  - 2.4.2.1 The UCL-D will be provisioned as a dry copper twisted pair (2- or 4-wire) Loop that is unencumbered by any intervening equipment (e.g., filters, load coils, range extenders, digital loop carrier, or repeaters).
  - 2.4.2.2 A UCL-D will be 18,000 feet or less in length and is provisioned according to Resistance Design parameters, may have up to 6,000 feet of bridged tap and will have up to 1300 Ohms of resistance.

- 2.4.2.3 The UCL-D is a designed circuit, is provisioned with a test point, and comes standard with a DLR. OC is a chargeable option for a UCL-D; however, OC is always required on UCLs where a reuse of existing facilities has been requested by US LEC.
- 2.4.2.4 These Loops are not intended to support any particular services and may be utilized by US LEC to provide a wide-range of telecommunications services as long as those services do not adversely affect BellSouth's network. This facility will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the Loop to the customer's inside wire
- 2.4.2.5 Upon the last signatory date hereof, Unbundled Copper Loop – Long (UCL-L) elements will no longer be offered by BellSouth and no new orders for UCL-L will be accepted. Any existing UCL-Ls that were provisioned prior to the last signatory date hereof will be grandfathered at the rates set forth in the Parties' interconnection agreement that was in effect immediately prior to the last signatory date hereof. Existing UCL-Ls that were provisioned prior to the last signatory date hereof may remain connected, maintained and repaired according to BellSouth's TR73600 and may remain connected until such time as they are disconnected by US LEC or BellSouth provides ninety (90) calendar days written notice that such UCL-L must be terminated.
- 2.4.3 **Unbundled Copper Loop – Non-Designed (UCL-ND)**
- 2.4.3.1 The UCL-ND is provisioned as a dedicated 2-wire metallic transmission facility from BellSouth's Main Distribution Frame (MDF) to a customer's premises (including the NID). The UCL-ND will be a "dry copper" facility in that it will not have any intervening equipment such as load coils, repeaters, or digital access main lines (DAMLs), and may have up to 6,000 feet of bridged tap between the End User's premises and the serving wire center. The UCL-ND typically will be 1300 Ohms resistance and in most cases will not exceed 18,000 feet in length, although the UCL-ND will not have a specific length limitation. For Loops less than 18,000 feet and with less than 1300 Ohms resistance, the Loop will provide a voice grade transmission channel suitable for Loop start signaling and the transport of analog voice grade signals. The UCL-ND will not be designed and will not be provisioned with either a DLR or a test point.
- 2.4.3.2 The UCL-ND facilities may be mechanically assigned using BellSouth's assignment systems. Therefore, the Loop Makeup (LMU) process is not required to order and provision the UCL-ND. However, US LEC can request LMU for which additional charges would apply.
- 2.4.3.3 For an additional charge, BellSouth also will make available Loop Testing so that US LEC may request further testing on the UCL-ND. Rates for Loop Testing are as set forth in Exhibit A of this Attachment.



- 2.4.3.4 UCL-ND Loops are not intended to support any particular service and may be utilized by US LEC to provide a wide-range of telecommunications services as long as those services do not adversely affect BellSouth's network. The UCL-ND will include a NID at the customer's location for the purpose of connecting the Loop to the customer's inside wire.
- 2.4.3.5 OC will be provided as a chargeable option and may be utilized when the UCL-ND provisioning is associated with the reuse of BellSouth facilities. OC-TS does not apply to this product.
- 2.4.3.6 US LEC may use BellSouth's Unbundled Loop Modification (ULM) offering to remove excessive bridged taps and/or load coils from any copper Loop within the BellSouth network. Therefore, some Loops that would not qualify as UCL-ND could be transformed into Loops that do qualify, using the ULM process.

2.5 **Unbundled Loop Modifications (Line Conditioning)**

- 2.5.1 BellSouth shall perform Line Conditioning in accordance with 47 C.F.R. 51.319(a)(1)(iii). Line Conditioning is defined as routine network modification that BellSouth regularly undertakes to provide xDSL services to its own customers. This may include the removal of any device, from a copper Loop or copper Sub-loop that may diminish the capability of the Loop or Sub-loop to deliver high-speed switched wireline telecommunications capability, including xDSL service. Such devices include, but are not limited to, load coils, excessive bridged taps, low pass filters, and range extenders. Excessive bridged taps are bridged taps that serves no network design purpose and that are beyond the limits set according to industry standards and/or the BellSouth TR 73600. Insofar as it is technically feasible, BellSouth shall test and report troubles for all the features, functions and capabilities of conditioned copper lines, and may not restrict its testing to voice transmission only.
- 2.5.2 BellSouth will remove load coils only on copper loops and sub-loops that are less than 18,000 feet in length.
- 2.5.3 For any copper loop being ordered by US LEC which has over 6,000 feet of combined bridged tap will be modified, upon request from US LEC, so that the loop will have a maximum of 6,000 feet of bridged tap. This modification will be performed at no additional charge to US LEC. Loop conditioning orders that require the removal of bridged tap that serves no network design purpose on a copper loop that will result in a combined total of bridged tap between 2,500 and 6,000 feet will be performed at the rates set forth in Exhibit A of this Attachment.
- 2.5.4 US LEC may request removal of any unnecessary and non-excessive bridged tap (bridged tap between 0 and 2,500 feet which serves no network design purpose), at rates pursuant to BellSouth's Special Construction Process as mutually agreed to by the Parties.

- 2.5.5 Rates for ULM are as set forth in Exhibit A of this Attachment.
- 2.5.6 BellSouth will not modify a Loop in such a way that it no longer meets the technical parameters of the original Loop type (e.g., voice grade, ADSL, etc.) being ordered.
- 2.5.7 If US LEC requests ULM on a reserved facility for a new loop order, BellSouth may perform a pair change and provision a different loop facility in lieu of the reserved facility with ULM if feasible. The loop provisioned will meet or exceed specifications of the requested loop facility as modified. US LEC will not be charged for ULM if a different loop is provisioned. For loops that require a DLR or its equivalent, BellSouth will provide LMU detail of the loop provisioned.
- 2.5.8 US LEC shall request Loop make up information pursuant to this Attachment prior to submitting a service inquiry and/or a LSR for the Loop type that US LEC desires BellSouth to condition.
- 2.5.9 When requesting ULM for a Loop that BellSouth has previously provisioned for US LEC, US LEC will submit a service inquiry to BellSouth. If a spare Loop facility that meets the loop modification specifications requested by US LEC is available at the location for which the ULM was requested, US LEC will have the option to change the Loop facility to the qualifying spare facility rather than to provide ULM. In the event that BellSouth changes the Loop facility in lieu of providing ULM, US LEC will not be charged for ULM but will only be charged the service order charges for submitting an order.

## **2.6 Loop Provisioning Involving Integrated Digital Loop Carriers**

- 2.6.1 Where US LEC has requested an Unbundled Loop and BellSouth uses IDLC systems to provide the local service to the End User and BellSouth has a suitable alternate facility available, BellSouth will make such alternative facilities available to US LEC. If a suitable alternative facility is not available, then to the extent it is technically feasible, BellSouth will implement one of the following alternative arrangements for US LEC (e.g. hairpinning):
1. Roll the circuit(s) from the IDLC to any spare copper that exists to the customer premises.
  2. Roll the circuit(s) from the IDLC to an existing DLC that is not integrated.
  3. If capacity exists, provide "side-door" porting through the switch.
  4. If capacity exists, provide "Digital Access Cross Connect System (DACS)-door" porting (if the IDLC routes through a DACS prior to integration into the switch).
- 2.6.2 Arrangements 3 and 4 above require the use of a designed circuit. Therefore, non-designed Loops such as the SL1 voice grade and UCL-ND may not be ordered in these cases.

- 2.6.3 If no alternate facility is available, and upon request from US LEC, and if agreed to by both Parties, BellSouth will utilize its Special Construction (SC) process to determine the additional costs required to provision facilities. US LEC will then have the option of paying the one-time SC rates to place the Loop.

## **2.7 Network Interface Device**

- 2.7.1 The NID is defined as any means of interconnection of the End User's customer premises wiring 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 customer 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.

- 2.7.2 BellSouth shall permit US LEC to connect US LEC's Loop facilities to the End User's customer premises wiring through the BellSouth NID or at any other technically feasible point.

### **2.7.3 Access to NID**

- 2.7.3.1 US LEC may access the End User's customer premises wiring by any of the following means and US LEC shall not disturb the existing form of electrical protection and shall maintain the physical integrity of the NID:
- 2.7.3.1.1 BellSouth shall allow US LEC 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 premises.
- 2.7.3.1.2 Where an adequate length of the End User's customer premises wiring is present and environmental conditions permit, either Party may remove the customer premises wiring from the other Party's NID and connect such wiring to that Party's own NID;
- 2.7.3.1.3 Either Party may enter the subscriber access chamber or dual chamber NID enclosures for the purpose of extending a connect divisioned or spliced jumper wire from the customer premises wiring through a suitable "punch-out" hole of such NID enclosures; or
- 2.7.3.1.4 US LEC may request BellSouth to make other rearrangements to the End User customer premises wiring terminations or terminal enclosure on a time and materials cost basis.

- 2.7.3.2 In no case shall either Party remove or disconnect the other Party's Loop facilities from either Party's NIDs, enclosures, or protectors unless the applicable Commission has expressly permitted the same and the disconnecting Party provides prior notice to the other Party. In such cases, it shall be the responsibility of the Party disconnecting Loop facilities to leave undisturbed the existing form of electrical protection and to maintain the physical integrity of the NID. It will be US LEC's responsibility to ensure there is no safety hazard, and US LEC will hold BellSouth harmless for any liability associated with the removal of the BellSouth Loop from the BellSouth NID. Furthermore, it shall be the responsibility of the disconnecting Party, once the other Party's Loop has been disconnected from the NID, to reconnect the disconnected Loop to a nationally recognized testing laboratory listed station protector, which has been grounded as per Article 800 of the National Electrical Code. If no spare station protector exists in the NID, the disconnected Loop must be appropriately cleared, capped and stored.
- 2.7.3.3 US LEC shall not remove or disconnect ground wires from BellSouth's NIDs, enclosures, or protectors.
- 2.7.3.4 US LEC shall not remove or disconnect NID modules, protectors, or terminals from BellSouth's NID enclosures.
- 2.7.3.5 Due to the wide variety of NID enclosures and outside plant environments, BellSouth will work with US LEC to develop specific procedures to establish the most effective means of implementing this section if the procedures set forth herein do not apply to the NID in question.
- 2.7.4 Technical Requirements
- 2.7.4.1 The NID shall provide an accessible point of interconnection and shall maintain a connection to ground.
- 2.7.4.2 If an existing NID is accessed, it shall be capable of transferring electrical analog or digital signals between the End User's customer premises and the distribution media and/or cross connect to US LEC's NID.
- 2.7.4.3 Existing BellSouth NIDs will be provided in "as is" condition. US LEC may request BellSouth to do additional work to the NID on a time and material basis. When US LEC deploys its own local Loops in a multiple-line termination device, US LEC shall specify the quantity of NID connections that it requires within such device.
- 2.8 **Sub-loop Elements**
- 2.8.1 Where facilities permit, BellSouth shall offer access to its Unbundled Sub-Loop (USL) elements as specified herein.

2.8.2 **Unbundled Sub-Loop Distribution**

- 2.8.2.1 The Unbundled Sub-Loop Distribution facility is a dedicated transmission facility that BellSouth provides from an End User'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. BellSouth will make available the following sub-loop distribution offerings where facilities exist:

Unbundled Sub-Loop Distribution – Voice Grade

Unbundled Copper Sub-Loop

Unbundled Sub-Loop Distribution – Intrabuilding Network Cable (aka riser cable)

- 2.8.2.2 Unbundled Sub-Loop Distribution – Voice Grade (USLD-VG) is a copper sub-loop facility from the cross-box in the field up to and including the point of demarcation at the End User's premises and may have load coils.
- 2.8.2.3 Unbundled Copper Sub-Loop (UCSL) is a copper facility of any length provided from the cross-box in the field up to and including the End User's point of demarcation. If available, this facility will not have any intervening equipment such as load coils between the End User and the cross-box.
- 2.8.2.3.1 If US LEC requests a UCSL and it is not available, US LEC may request the copper Sub-Loop facility be modified pursuant to the ULM process to remove load coils and/or excessive bridged taps. If load coils and/or excessive bridged taps are removed, the facility will be classified as a UCSL.
- 2.8.2.4 Unbundled Sub-Loop Distribution – Intrabuilding Network Cable (USLD-INC) is the distribution facility owned or controlled by BellSouth inside a building or between buildings on the same property that is not separated by a public street or road. USLD-INC includes the facility from the cross connect device in the building equipment room up to and including the point of demarcation at the End User's premises.
- 2.8.2.4.1 Upon request for USLD-INC from US LEC, BellSouth will install a cross connect panel in the building equipment room for the purpose of accessing USLD-INC pairs from a building equipment room. The cross-connect panel will function as a single point of interconnection (SPOI) for USLD-INC and will be accessible by multiple carriers as space permits. BellSouth will place cross-connect blocks in 25-pair increments for US LEC's use on this cross-connect panel. US LEC will be responsible for connecting its facilities to the 25-pair cross-connect block(s).
- 2.8.2.5 For access to Voice Grade USLD and UCSL, US LEC shall install a cable to the BellSouth cross-box pursuant to the terms and conditions for physical collocation for remote sites set forth in this Agreement. This cable would be connected by a BellSouth technician within the BellSouth cross-box during the set-up process.

US LEC's cable pairs can then be connected to BellSouth's USL within the BellSouth cross-box by the BellSouth technician.

- 2.8.2.6 Through the SI process, BellSouth will determine whether access to Unbundled Sub-Loops at the location requested by US LEC is technically feasible and whether sufficient capacity exists in the cross-box. If existing capacity is sufficient to meet US LEC's request, then BellSouth will perform the site set-up as described in the CLEC Information Package, located at the website address: <http://www.interconnection.bellsouth.com/products/html/unes.html>.
- 2.8.2.7 The site set-up must be completed before US LEC can order sub-loop pairs. For the site set-up in a BellSouth cross-connect box in the field, BellSouth will perform the necessary work to splice US LEC's cable into the cross-connect box. For the site 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.
- 2.8.2.8 Once the site set-up is complete, US LEC will request sub-loop pairs through submission of a LSR form to the Local Carrier Service Center (LCSC). OC is required with USL pair provisioning when US LEC requests reuse of an existing facility, and the Order Coordination charge shall be billed in addition to the USL pair rate. For expedite requests by US LEC for sub-loop pairs, expedite charges will apply for intervals less than five (5) calendar days.
- 2.8.2.9 Unbundled Sub-Loops will be provided in accordance with technical reference TR73600.
- 2.8.3 **Unbundled Network Terminating Wire (UNTW)**
- 2.8.3.1 UNTW is unshielded twisted copper wiring that is used to extend circuits from an intra-building network cable terminal or from a building entrance terminal to an individual End User's point of demarcation. It is the final portion of the Loop that in multi-subscriber configurations represents the point at which the network branches out to serve individual subscribers.
- 2.8.3.2 BellSouth will provide this element in Multi-Dwelling Units (MDUs) and/or Multi-Tenants Units (MTUs) where BellSouth owns, controls or leases, but only to the extent that BellSouth has control by virtue of such lease, wiring all the way to the End Users' premises, BellSouth shall use commercially reasonable efforts to obtain the right to permit US LEC to access the UNTW.
- 2.8.3.3 **Requirements**
- 2.8.3.3.1 Upon request, BellSouth will provide access to UNTW pairs on an Access Terminal that is suitable for use by multiple carriers at each Garden Terminal or Wiring Closet.

- 2.8.3.3.2 BellSouth shall not be required to install new or additional NTW beyond existing NTW to provision the services of the Requesting Party.
- 2.8.3.3.3 Upon receipt of an UNTW SI requesting access to BellSouth's UNTW pairs at a multi-unit premises, representatives of both Parties will participate in a meeting at the site of the requested access. The purpose of the site visit will include discussion of the procedures for installation and location of the Access Terminals. By request of US LEC, an Access Terminal will be installed at a single point of access either adjacent to each BellSouth Garden Terminal or inside each BellSouth Wiring Closet. US LEC will deliver and connect its central office facilities to the UNTW pairs within the Access Terminal. US LEC may access any available pair on an Access Terminal. A pair is available when a pair is not being utilized to provide service or where the End User has requested a change in its local service provider to US LEC on that pair. US LEC shall use commercially reasonable efforts to access only available UNTW pairs. Prior to connecting US LEC's service on a pair previously used by BellSouth or another CLEC, US LEC is responsible for verifying with the End User that the End User is no longer using BellSouth's service or another CLEC's service before accessing the UNTW pairs.
- 2.8.3.3.4 Access Terminal installation intervals will be established on an individual case basis.
- 2.8.3.3.5 US LEC is responsible for obtaining the property owner's permission for BellSouth to install an Access Terminal(s) on behalf of US LEC. The submission of the SI by US LEC will serve as certification by US LEC that such permission has been obtained. If the property owner objects to Access Terminal installations that are in progress or within thirty (30) calendar days of completion and demands removal of Access Terminals, US LEC will be responsible for costs associated with removing Access Terminals and restoring the property to its original state prior to Access Terminals being installed.
- 2.8.3.3.6 US LEC shall indemnify and hold harmless BellSouth against any claims of any kind that may arise out of US LEC's failure to obtain the property owner's permission. US LEC will be billed for nonrecurring and recurring charges for accessing UNTW pairs at the time US LEC activates the pair(s). US LEC will notify BellSouth within five (5) business days of activating UNTW pairs using the LSR form.
- 2.8.3.3.7 If a trouble exists on a UNTW pair, US LEC may use an alternate spare pair that serves that End User if a spare pair is available. In such cases, US LEC will re-terminate its existing jumper from the defective pair to the spare pair. Alternatively, US LEC will isolate and report troubles to BellSouth. In such cases, US LEC must tag the UNTW pair that requires repair. If BellSouth dispatches a technician on a reported trouble call and no UNTW trouble is found, BellSouth will charge US LEC for time spent on the dispatch and testing the UNTW pair(s).

- 2.8.3.3.8 If US LEC initiates the Access Terminal installation and US LEC has not activated at least ten (10) percent of the capacity of the Access Terminal installed pursuant to US LEC's request for an Access Terminal within six (6) months of installation of the Access Terminal, BellSouth will bill US LEC a nonrecurring charge equal to the actual cost of provisioning the Access Terminal.
- 2.8.3.3.9 If BellSouth determines that US LEC is using the UNTW pairs without reporting the activation of the pairs, US LEC will be billed for the use of that pair back to the date the End User began receiving service from US LEC at that location. Upon request, US LEC will provide copies of its redacted billing record or installation order with sufficient information to substantiate such date. If US LEC fails to provide such records, then BellSouth will bill US LEC back to the date of the Access Terminal installation.

## 2.8.4 **Unbundled Sub-Loop Feeder**

- 2.8.4.1 Upon the last signatory date hereof, Unbundled Sub-Loop Feeder (USLF) elements will no longer be offered by BellSouth at TELRIC prices. Within ninety (90) calendar days of the last signatory date hereof, US LEC will either negotiate market-based rates for these elements or will issue orders to have these elements disconnected. If, after this ninety (90) calendar day period, market-based rates have not been negotiated and US LEC has not issued the appropriate disconnect orders, BellSouth may, upon thirty (30) calendar days written notice, disconnect any remaining USLF elements and bill US LEC any applicable disconnect charges.

## 2.8.5 **Unbundled Loop Concentration**

- 2.8.5.1 Upon the last signatory date hereof, the Unbundled Loop Concentration (ULC) element will no longer be offered by BellSouth and no new orders for ULC will be accepted. Any existing ULCs that were provisioned prior to the last signatory date hereof will be grandfathered at the rates set forth in the Parties' interconnection agreement that was in effect immediately prior to this Agreement and may remain connected, maintained and repaired according to BellSouth's TR73600 until such time as they are disconnected by US LEC, or BellSouth provides ninety (90) calendar days written notice that such ULC must be terminated.

## 2.8.6 **Dark Fiber Loop**

- 2.8.6.1 Dark Fiber Loop is an unused optical transmission facility, without attached signal regeneration, multiplexing, aggregation or other electronics, from the demarcation point at an End User's premises to the End User's serving wire center. Dark Fiber Loops may be strands of optical fiber existing in aerial or underground structure. BellSouth will not provide line terminating elements, regeneration or other electronics necessary for US LEC to utilize Dark Fiber Loops.



- 2.8.6.2 If Dark Fiber Loop is not readily available but can be made available through routine network modifications, pursuant to 47 C.F.R. Part 51, US LEC may request BellSouth to perform such routine network modifications as set forth in Section 1.7.4

2.8.6.3 Requirements

**BELLSOUTH PROPOSED LANGUAGE**

- 2.8.6.3.1 BellSouth shall make available Dark Fiber Loop where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. Dark Fiber Loop will not be deemed available if: (1) it is used by BellSouth for maintenance and repair purposes; (2) it is designated for use pursuant to a firm order placed by another customer; (3) it is restricted for use by all carriers, including BellSouth, because of transmission problems or because it is scheduled for removal due to documented changes to roads and infrastructure; or (4) BellSouth has plans to use the fiber within a two year planning period. BellSouth is not required to place the fiber for Dark Fiber Loop if none is available.

**US LEC PROPOSED LANGUAGE**

- 2.8.6.3.1 BellSouth shall make available Dark Fiber Loop where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. Dark Fiber Loop will not be deemed available if: (1) it is used by BellSouth for maintenance and repair purposes; (2) it is designated for use pursuant to a firm order placed by another customer; or (3) it is restricted for use by all carriers, including BellSouth, because of transmission problems or because it is scheduled for removal due to documented changes to roads and infrastructure. BellSouth is not required to place the fiber for Dark Fiber Loop if none is available.
- 2.8.6.3.2 BellSouth will provide continuity and loss test results prior to cutover. US LEC is solely responsible for testing the quality of the Dark Fiber to determine its usability and performance specifications.
- 2.8.6.3.3 BellSouth shall use its commercially reasonable efforts to provide to US LEC information regarding the location, availability and performance of Dark Fiber Loop within ten (10) business days after receiving a SI from US LEC. Within such time period, BellSouth shall send written confirmation of availability of Dark Fiber Loop ("Confirmation").
- 2.8.6.3.4 If the requested Dark Fiber Loop is available, BellSouth shall use commercially reasonable efforts to provision the Dark Fiber Loop to US LEC within twenty (20) business days after US LEC submits a valid, error free LSR. Provisioning includes identification of appropriate connection points (e.g., Light Guide Interconnection (LGX)) to enable US LEC to connect US LEC provided transmission media (e.g., optical fiber) or equipment to the Dark Fiber Loop.

**2.9      Loop Makeup**

**2.9.1      Description of Service**

- 2.9.1.1      BellSouth shall make available to US LEC LMU information so that US LEC can make an independent judgment about whether the Loop is capable of supporting the advanced services equipment US LEC intends to install and the services US LEC wishes to provide. This section addresses LMU as a preordering transaction, distinct from US LEC ordering any other service(s). Loop Makeup Service Inquiries (LMUSI) and mechanized LMU queries for preordering LMU are likewise unique from other preordering functions with associated SIs as described in this Agreement.
- 2.9.1.2      BellSouth will provide US LEC LMU information consisting of the composition of the Loop material (copper/fiber); the existence, location and type of equipment on the Loop, including but not limited to digital loop carrier or other remote concentration devices, feeder/distribution interfaces, bridged taps, load coils, pair-gain devices; the Loop length; the wire gauge and electrical parameters.
- 2.9.1.3      BellSouth's LMU information is provided to US LEC as it exists either in BellSouth's databases or in its hard copy facility records. BellSouth does not guarantee accuracy or reliability of the LMU information provided.
- 2.9.1.4      BellSouth's provisioning of LMU information to the requesting CLEC for facilities is contingent upon either BellSouth or the requesting CLEC controlling the Loop(s) that serve the service location for which LMU information has been requested by the CLEC. The requesting CLEC is not authorized to receive LMU information on a facility used or controlled by another CLEC unless BellSouth receives a Letter of Authorization (LOA) from the voice CLEC (owner) or its authorized agent on the LMUSI submitted by the requesting CLEC.
- 2.9.1.5      US LEC may choose to use equipment that it deems will enable it to provide a certain type and level of service over a particular BellSouth Loop as long as that equipment does not disrupt other services on the BellSouth network. The determination shall be made solely by US LEC and BellSouth shall not be liable in any way for the performance of the advanced data services provisioned over said Loop. The specific Loop type (ADSL, HDSL, or otherwise) ordered on the LSR must match the LMU of the Loop reserved taking into consideration any requisite line conditioning. The LMU data is provided for informational purposes only and does not guarantee US LEC's ability to provide advanced data services over the ordered Loop type. Further, if US LEC orders Loops that do not require a specific facility medium (i.e. copper only) or Loops that are not intended to support advanced services (such as UV-SL1, UV-SL2, or ISDN compatible Loops) and that are not inventoried as advanced services Loops, the LMU information for such Loops is subject to change at any time due to modifications and/or upgrades to BellSouth's network. US LEC is fully responsible for any of

its service configurations that may differ from BellSouth's technical standard for the Loop type ordered.

## 2.9.2 **Submitting Loop Makeup Service Inquiries**

2.9.2.1 US LEC may obtain LMU information by submitting a mechanized LMU query or a Manual LMUSI. Mechanized LMUs should be submitted through BellSouth's OSS interfaces. After obtaining the Loop information from the mechanized LMU process, if US LEC needs further Loop information in order to determine Loop service capability, US LEC may initiate a separate Manual Service Inquiry for a separate nonrecurring charge as set forth in Exhibit A of this Attachment.

2.9.2.2 Manual LMUSIs shall be submitted according to the guidelines in the LMU CLEC Information Package, incorporated herein by reference, as it may be amended from time to time, which can be found at the following BellSouth website: <http://interconnection.bellsouth.com/guides/html/unes.html>. The service interval for the return of a Manual LMUSI is three (3) business days. Manual LMUSIs are not subject to expedite requests. This service interval is distinct from the interval applied to the subsequent service order.

## 2.9.3 **Loop Reservations**

2.9.3.1 For a Mechanized LMUSI, US LEC may reserve up to ten (10) Loop facilities. For a Manual LMUSI, US LEC may reserve up to three (3) Loop facilities.

2.9.3.2 US LEC may reserve facilities for up to four (4) business days for each facility requested through LMU from the time the LMU information is returned to US LEC. During and prior to US LEC placing an LSR, the reserved facilities are rendered unavailable to other customers, including BellSouth. If US LEC does not submit an LSR for a UNE service on a reserved facility within the four (4)-day reservation timeframe, the reservation of that spare facility will become invalid and the facility will be released.

2.9.3.3 Charges for preordering Manual LMUSI or Mechanized LMU are separate from any charges associated with ordering other services from BellSouth.

2.9.3.4 All LSRs issued for reserved facilities shall reference the facility reservation number as provided by BellSouth. US LEC will not be billed any additional LMU charges for the Loop ordered on such LSR. If, however, US LEC does not reserve facilities upon an initial LMUSI, US LEC's placement of an order for an advanced data service type facility will incur the appropriate billing charges to include SI and reservation per Exhibit A of this Attachment.

2.9.3.5 Where US LEC has reserved multiple Loop facilities on a single reservation, US LEC may not specify which facility shall be provisioned when submitting the LSR. For those occasions, BellSouth will assign to US LEC, subject to

availability, a facility that meets the BellSouth technical standards of the BellSouth type Loop as ordered by US LEC.

### **3        Line Sharing**

#### **3.1        General**

- 3.1.1        Line Sharing is defined as the process by which US LEC provides digital subscriber line service over the same copper loop that BellSouth uses to provide voice service, with BellSouth using the low frequency portion of the loop and US LEC using the high frequency spectrum (as defined below) of the loop.
- 3.1.2        Line Sharing arrangements in service as of October 1, 2003, will be grandfathered until the earlier of the date the End User discontinues or moves service with US LEC. Grandfathered arrangements pursuant to this Section will be billed at the rates set forth in Exhibit A.
- 3.1.3        For the period from October 2, 2003, through October 1, 2004, US LEC may request new Line Sharing arrangements. For Line Sharing arrangements placed in service between October 2, 2003, and October 1, 2004, the rates will be as set forth in Exhibit A. After October 1, 2004, US LEC may not request new Line Sharing arrangements under the terms of this Agreement.
- 3.1.4        The rates set forth herein will be applied retroactively back to the date set forth in the F.C.C. Triennial Review Order.
- 3.1.5        As of the earlier of October 2, 2006, or the date that the End User discontinues or moves service with US LEC, all Line Sharing arrangements pursuant to Section 3.1.3 of this Attachment shall be terminated.
- 3.1.6        The High Frequency Spectrum is defined as the frequency range above the voiceband on a copper Loop facility carrying analog circuit-switched voiceband transmissions. Access to the High Frequency Spectrum is intended to allow US LEC the ability to provide Digital Subscriber Line (xDSL) data services to the End User for which BellSouth provides voice services. The High Frequency Spectrum shall be available for any version of xDSL complying with Spectrum Management Class 5 of ANSI T1 417, American National Standard for Telecommunications, Spectrum Management for Loop Transmission Systems. BellSouth will continue to have access to the low frequency portion of the Loop spectrum (from 300 Hertz to at least 3000 Hertz, and potentially up to 3400 Hertz, depending on equipment and facilities) for the purposes of providing voice service. US LEC shall only use xDSL technology that is within the PSD mask for Spectrum Management Class 5 as found in the above-mentioned document.
- 3.1.7        Access to the High Frequency Spectrum requires an unloaded, 2-wire copper Loop. An unloaded Loop is a copper Loop with no load coils, low-pass filters,

range extenders, DAMLs, or similar devices and minimal bridged taps consistent with ANSI T1.413 and T1.601.

### **BELLSOUTH PROPOSED LANGUAGE**

- 3.1.8 BellSouth will provide Loop Modification to US LEC on an existing Loop in accordance with procedures as specified in Section 2 of this Attachment. BellSouth is not required to modify a Loop for access to the High Frequency spectrum if modification of that Loop significantly degrades BellSouth's voice service. If US LEC requests that BellSouth modify a Loop and such modification significantly degrades the voice services on the Loop, US LEC shall pay for the Loop to be restored to its original state.

### **US LEC PROPOSED LANGUAGE**

- 3.1.8 BellSouth will provide Loop Modification to US LEC on an existing Loop in accordance with procedures as specified in Section 2 of this Attachment. BellSouth is not required to modify a Loop for access to the High Frequency spectrum if modification of that Loop significantly degrades BellSouth's voice service.
- 3.1.9 Line Sharing shall only be available on Loops on which BellSouth is also providing, and continues to provide, analog voice service directly to the End User. In the event the End User terminates its BellSouth provided voice service for any reason, or in the event BellSouth disconnects the End User's voice service pursuant to its tariffs or applicable law, and US LEC desires to continue providing xDSL service on such Loop, US LEC shall be required to purchase a full stand-alone Loop UNE. To the extent commercially practicable, BellSouth shall give US LEC written notice in a reasonable time prior to disconnect, which notice shall give US LEC an adequate opportunity to notify BellSouth of its intent to purchase such Loop. In those cases in which BellSouth no longer provides voice service to the End User and US LEC purchases the full stand-alone Loop, US LEC may elect the type of Loop it will purchase. US LEC will pay the appropriate recurring and nonrecurring rates for such Loop as set forth in Exhibit A to this Attachment. In the event US LEC purchases a voice grade Loop, US LEC acknowledges that such Loop may not remain xDSL compatible.
- 3.1.10 If US LEC reports a trouble on the High Frequency Spectrum of a Loop and no trouble actually exists on the BellSouth portion, BellSouth will charge US LEC for any dispatching and testing (both inside and outside the CO) required by BellSouth in order to confirm the working status. The rates charged for no trouble found (NTF) shall be as set forth in Exhibit A of this Attachment. If, US LEC reports the same trouble on the same Network Element within thirty (30) calendar days of BellSouth's notification to US LEC of its disposition of the prior trouble, and BellSouth is able to determine that such trouble does exist on BellSouth's network, US LEC shall be credited on the next billing cycle for charges associated with the prior trouble.

- 3.1.11 Only one CLEC shall be permitted access to the High Frequency Spectrum of any particular Loop.

3.2 **Provisioning of Line Sharing and Splitter Space**

- 3.2.1 BellSouth will provide US LEC with access to the High Frequency Spectrum as follows:

- 3.2.1.1 To order High Frequency Spectrum on a particular Loop, US LEC, or a third Party with whom US LEC has contracted, must have a Digital Subscriber Line Access Multiplexer (DSLAM) collocated in the central office that serves the End User of such Loop.

- 3.2.1.2 US LEC may provide its own splitters or may order splitters in a central office once the DSLAM has been installed in that central office. BellSouth will install splitters within thirty-six (36) calendar days of US LEC's submission of an error free Line Splitter Ordering Document (LSOD) to the BellSouth Complex Resale Support Group.

- 3.2.1.3 Once a splitter is installed on behalf of US LEC in a central office in which US LEC is located, US LEC shall be entitled to order the High Frequency Spectrum on lines served out of that central office. BellSouth will bill and US LEC shall pay the electronic or manual ordering charges as applicable when US LEC orders High Frequency Spectrum for End User service.

- 3.2.1.4 BellSouth shall test the data portion of the Loop to ensure the continuity of the wiring for US LEC's data.

3.3 **BellSouth Provided Splitter – Line Sharing**

- 3.3.1 BellSouth will select, purchase, install, and maintain a central office POTS splitter and provide US LEC access to data ports on the splitter. The splitter will route the High Frequency Spectrum on the circuit to US LEC's, or its designated third Party's, xDSL equipment in US LEC's, or its designated third Party's, collocation space. At least thirty (30) calendar days before making a change in splitter suppliers, BellSouth will provide US LEC with a carrier notification letter, informing US LEC of change. US LEC shall purchase ports on the splitter in increments of eight (8), twenty-four (24), or ninety-six (96) ports in Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina and South Carolina. US LEC shall purchase ports on the splitter in increments of twenty-four (24) or ninety-six (96) ports in Tennessee.

- 3.3.2 BellSouth will install the splitter in (i) a common area close to US LEC's, or its designated third Party's, collocation area, if possible; or (ii) in a BellSouth relay rack as close to US LEC's, or its designated third Party's, DS0 termination point as possible. US LEC, or its designated third Party, shall have access to the splitter for test purposes, regardless of where the splitter is placed in the BellSouth

premises. For purposes of this section, a common area is defined as an area in the central office in which both Parties have access to a common test access point. A Termination Point is defined as the point of termination for US LEC, or its designated third Party, on the main distributing frame in the central office and is not the demarcation point set forth in Attachment 4 of this Agreement. BellSouth will cross-connect the splitter data ports to a specified US LEC, or its designated third Party's, DS0 at such time that a US LEC End User's service is established.

### 3.4 **CLEC Provided Splitter – Line Sharing**

3.4.1 US LEC may at its option purchase, install and maintain central office POTS splitters in its collocation arrangements, or that of its designated third Party. US LEC may use such splitters for access to its customers and to provide digital line subscriber services to its customers using the High Frequency Spectrum. Existing Collocation rules and procedures and the terms and conditions relating to Collocation set forth in Attachment 4-Central Office shall apply.

3.4.2 Any splitters installed by US LEC, or its designated third Party, in its collocation arrangement shall comply with ANSI T1.413, Annex E, or any future ANSI splitter Standards. US LEC, or its designated third Party, may install any splitters that BellSouth deploys or permits to be deployed for itself or any BellSouth affiliate.

### 3.5 **Ordering – Line Sharing**

3.5.1 US LEC shall use BellSouth's LSOD to order splitters from BellSouth and to activate and deactivate DS0 Collocation Connecting Facility Assignments (CFA) for use with High Frequency Spectrum.

3.5.2 BellSouth will provide US LEC the LSR format to be used when ordering the High Frequency Spectrum.

3.5.3 BellSouth will provision High Frequency Spectrum in compliance with BellSouth's Products and Services Interval Guide available at the website at <http://www.interconnection.bellsouth.com>.

3.5.4 BellSouth will provide US LEC access to Preordering LMU in accordance with the terms of this Agreement. BellSouth shall bill and US LEC shall pay the rates for such services, as described in Exhibit A.

### 3.6 **Maintenance and Repair – Line Sharing**

3.6.1 US LEC shall have access for repair and maintenance purposes to any Loop for which it has access to the High Frequency Spectrum. If US LEC is using a BellSouth owned splitter, US LEC may access the Loop at the point where the combined voice and data signal exits the central office splitter via a bantam test

jack. If US LEC provides its own splitter, it may test from the collocation space or the Termination Point.

- 3.6.2 BellSouth will be responsible for repairing voice services and the physical line between the NID at the customer's premises and the Termination Point. US LEC will be responsible for repairing data services. Each Party will be responsible for maintaining its own equipment.
- 3.6.3 US LEC shall inform its End Users to direct data problems to US LEC, unless both voice and data services are impaired, in which event the End Users should call BellSouth.
- 3.6.4 Once a Party has isolated a trouble to the other Party's portion of the Loop, the Party isolating the trouble shall notify the End User that the trouble is on the other Party's portion of the Loop.
- 3.6.5 When BellSouth receives a voice trouble and isolates the trouble to the physical collocation arrangement belonging to US LEC, BellSouth will notify US LEC, and bill US LEC accordingly
- 3.7 **Line Splitting**
- 3.7.1 Line splitting allows a provider of data services (a Data LEC) and a provider of voice services (a Voice CLEC) to deliver voice and data service to End Users over the same Loop. The Voice CLEC and Data LEC may be the same or different carriers.
- 3.7.2 In the event US LEC provides its own switching or obtains switching from a third party, US LEC may engage in line splitting arrangements with another CLEC using a splitter, provided by US LEC, or its designated third Party, in a Collocation Arrangement at the central office where the loop terminates into a distribution frame or its equivalent.
- 3.7.3 Where US LEC is purchasing a UNE-port and a UNE-loop, BellSouth shall offer line splitting pursuant to the following sections in this Attachment.
- 3.7.4 US LEC shall provide BellSouth with a signed LOA between it and the Data LEC or Voice CLEC with which it desires to provision Line Splitting services, if US LEC will not provide voice and data services.
- 3.7.5 End Users currently receiving voice service from a Voice CLEC through a UNE-P may be converted to Line Splitting arrangements by US LEC or its authorized agent ordering Line Splitting Service. If the CLEC wishes to provide the splitter, the UNE-P arrangement will be converted to a stand-alone UNE Loop, a UNE port, two collocation cross connects and the high frequency spectrum line activation. If BellSouth owns the splitter, the UNE-P arrangement will be converted to a stand-alone UNE Loop, port, and one collocation cross connection.



- 3.7.6 When End Users on Loops using High Frequency Spectrum CO Based line sharing service are converted to Line Splitting, BellSouth will discontinue billing US LEC for the High Frequency Spectrum. BellSouth will continue to bill the Data LEC for all associated splitter charges if the Data LEC continues to use a BellSouth splitter. It is the responsibility of US LEC or its authorized agent to determine if the Loop is compatible for Line Splitting Service. US LEC or its authorized agent may use the existing Loop unless it is not compatible with the Data LEC's data service and US LEC or its authorized agent submits an LSR to BellSouth to change the Loop.

3.8 **Provisioning Line Splitting and Splitter Space**

- 3.8.1 The Data LEC, Voice CLEC or BellSouth may provide the splitter. When US LEC or its authorized agent owns the splitter, Line Splitting requires the following: a non-designed analog Loop from the serving wire center to the NID at the End User's location, a collocation cross connection connecting the Loop to the collocation space; a second collocation cross connection from the collocation space connected to a voice port; the high frequency spectrum line activation, and a splitter. The Loop and port cannot be a Loop and port combination (i.e. UNE-P), but must be individual stand-alone Network Elements. When BellSouth owns the splitter, Line Splitting requires the following: a non designed analog Loop from the serving wire center to the NID at the End User's location with CFA and splitter port assignments, and a collocation cross connection from the collocation space connected to a voice port.
- 3.8.2 An unloaded 2-wire copper Loop must serve the End User. The meet point for the Voice CLEC and the Data LEC is the point of termination on the MDF for the Data LEC's cable and pairs.
- 3.8.3 The foregoing procedures are applicable to migration to Line Splitting Service from a UNE-P arrangement, BellSouth Retail Voice Service, BellSouth High Frequency Spectrum (CO Based) Line Sharing.
- 3.8.4 For other migration scenarios to line splitting, BellSouth will work cooperatively with CLECs to develop methods and procedures to develop a process whereby a Voice CLEC and a Data LEC may provide services over the same Loop.

3.9 **Ordering – Line Splitting**

- 3.9.1 US LEC shall use BellSouth's LSOD to order splitters from BellSouth and to activate and deactivate DS0 Collocation CFA for use with Line Splitting.
- 3.9.2 BellSouth shall provide US LEC the LSR format to be used when ordering Line Splitting service.

- 3.9.3 BellSouth will provision Line Splitting service in compliance with BellSouth's Products and Services Interval Guide available at the website at <http://www.interconnection.bellsouth.com>.
- 3.9.4 BellSouth will provide US LEC access to Preordering LMU in accordance with the terms of this Agreement. BellSouth shall bill and US LEC shall pay the rates for such services as described in Exhibit A.
- 3.9.5 BellSouth will provide Loop modification to US LEC on an existing Loop in accordance with procedures developed in the Line Sharing Collaborative. High Frequency Spectrum (CO Based) Unbundled Loop Modification is a separate distinct service from Unbundled Loop Modification set forth in Section 2.5 of this Attachment. Procedures for High Frequency Spectrum (CO Based) Unbundled Loop Modification may be found on the web at: <http://www.interconnection.bellsouth.com/html/unes.html>. Nonrecurring rates for this offering are as set forth in Exhibit A of this Attachment.

### **3.10 Maintenance – Line Splitting**

- 3.10.1 BellSouth will be responsible for repairing voice services and the physical loop between the NID at the customer's premises and the termination point. US LEC will be responsible for maintaining the voice and data services. Each Party will be responsible for maintaining its own equipment.
- 3.10.2 US LEC shall inform its End Users to direct all problems to US LEC or its authorized agent.
- 3.10.3 If US LEC is purchasing line splitting and it is not the data provider, US LEC shall indemnify, defend and hold harmless BellSouth from and against any claims, losses, actions, causes of action, suits, demands, damages, injury, and costs including reasonable attorney fees reasonably arising or resulting from the actions taken by the data provider.

## **4 Unbundled Local Switching**

- 4.1 BellSouth shall provide non-discriminatory access to local circuit switching capability on an unbundled basis, except as set forth in the Sections below to US LEC for the provision of a telecommunications service.

### **4.2 Unbundled Local Circuit Switching Capability, including Unbundled Tandem Switching Capability**

- 4.2.1 Local circuit switching capability is defined as all line-side and trunk-side facilities, plus the features, functions, and capabilities of the switch. The features, functions, and capabilities of the switch shall include the basic switching function of connecting lines to lines, lines to trunks, trunks to lines, and trunks to trunks. Local circuit switching includes all vertical features that the switch is capable of

providing, including custom calling, custom local area signaling service features, and Centrex, as well as any technically feasible customized routing functions. In addition, the features, functions, and capabilities of the local circuit switching UNE also include the same basic capabilities that are available to BellSouth's customers, such as telephone number, directory listing, dial tone, signaling, and access to 911, and, in association with the provision by BellSouth of the local circuit switching UNE, operator services, directory assistance and call related databases (via signaling). Switch routing tables are included as a function of the switch.

- 4.2.2 Notwithstanding BellSouth's general duty to unbundle local circuit switching, BellSouth shall not be required to unbundle local circuit switching for US LEC for a particular End User when US LEC: (1) serves an End User with four (4) or more voice-grade (DS0) equivalents or lines served by BellSouth in Zone 1 of one of the following MSAs: Atlanta, GA; Miami, FL; Orlando, FL; Ft. Lauderdale, FL; Charlotte-Gastonia-Rock Hill, NC; Greensboro-Winston Salem-High Point, NC; Nashville, TN; and New Orleans, LA; or (2) serves an End User with a DS1 or higher capacity Loop in any service area covered by this Agreement. To the extent that US LEC is serving any End User as described in (2) above as of Effective Date hereof, such End User's arrangement may not remain in place and such Arrangement must be terminated by US LEC or transitioned by US LEC, pursuant to Section 1.7 of this Attachment or BellSouth shall disconnect such Arrangements pursuant to Section 1.7.
- 4.2.3 Rates for unbundled switching at the DS1 level and above or for combinations with unbundled switching at the DS1 level and above provisioned prior to the Effective Date of this Agreement shall be those rates set forth in Exhibit A of this Attachment until April 1, 2004.
- 4.2.4 Local Switching that is not required to be provided as a UNE will be provided pursuant to a separate agreement or a tariff, at BellSouth's discretion.
- 4.2.5 Unbundled Local Switching consists of three separate unbundled elements: Unbundled Ports, End Office Switching Functionality, and End Office Interoffice Trunk Ports.
- 4.2.6 Unbundled Local Switching combined with Common Transport and, if necessary, Tandem Switching provides to US LEC's End User local calling and the ability to presubscribe to a primary carrier for intraLATA and/or to presubscribe to a primary carrier for interLATA toll service.
- 4.2.7 Provided that US LEC purchases unbundled local switching from BellSouth and uses the BellSouth Carrier Identification Code (CIC) for its End Users' Local Preferred Interexchange Carrier (LPIC) or if a BellSouth local End User selects BellSouth as its LPIC, then the Parties will consider as local any calls originated by a US LEC local End User, or originated by a BellSouth local End User and terminated to a US LEC local End User, where such calls originate and terminate

in the same LATA, except for those calls originated and terminated through switched access arrangements (i.e., calls that are transported by a Party other than BellSouth). For such calls, BellSouth will charge US LEC the UNE elements for the BellSouth facilities utilized. Neither Party shall bill the other originating or terminating switched access charges for such calls. Inter-carrier compensation for local calls between BellSouth and US LEC shall be as described in BellSouth's UNE Local Call Flows set forth on BellSouth's website.

4.2.8 Where US LEC purchases unbundled local switching from BellSouth but does not use the BellSouth CIC for its End Users' LPIC, BellSouth will consider as local those direct dialed telephone calls that originate from a US LEC End User and terminate within the basic local calling area or within the extended local calling areas and that are dialed using seven (7) or ten (10) digits as defined and specified in Section A3 of BellSouth's General Subscriber Services Tariffs (GSST). For such local calls, BellSouth will charge US LEC the UNE elements for the BellSouth facilities utilized. Inter-carrier compensation for local calls between BellSouth and US LEC shall be as described in BellSouth's UNE Local Call Flows set forth on BellSouth's website.

4.2.9 For any calls that originate and terminate through switched access arrangements (i.e., calls that are transported by a party other than BellSouth), BellSouth shall bill US LEC the UNE elements for the BellSouth facilities utilized. Each Party may bill the toll provider originating or terminating switched access charges as appropriate.

4.2.10 **Unbundled Port Features**

4.2.10.1 Charges for Unbundled Port are as set forth in Exhibit A, and as specified in such exhibit, may or may not include individual features.

4.2.10.2 Where applicable and available, non-switch-based services may be ordered with the Unbundled Port at BellSouth's retail rates.

4.2.10.3 Any features that are not currently available but are technically feasible through the switch can be requested through the BFR/NBR process.

4.2.10.4 BellSouth will provide to US LEC selective routing of calls to a requested Operator System platform pursuant to this Attachment. Any other routing requests by US LEC will be made pursuant to the BFR/NBR Process as set forth in Attachment 11.

4.2.11 **Remote Call Forwarding**

4.2.11.1 As an option, BellSouth shall make available to US LEC an unbundled port with Remote Call Forwarding capability (URCF service). URCF service combines the functionality of unbundled local switching, tandem switching and common transport to forward calls from the URCF service telephone number (the number

dialed by the calling party) to another telephone number selected by the URCF service subscriber. When ordering URCF service, US LEC will ensure that the following conditions are satisfied:

- 4.2.11.1.1 That the End User of the forward-to number (service) agrees to receive calls forwarded using the URCF service (if such End User is different from the URCF service End User);
- 4.2.11.1.2 That the forward-to number (service) is equipped with sufficient capacity to receive the volume of calls that will be generated from the URCF service;
- 4.2.11.1.3 That the URCF service will not be utilized to forward calls to another URCF or similar service; and
- 4.2.11.1.4 That the forward-to number (service) is not a public safety number (e.g. 911, fire or police number).
- 4.2.11.2 In addition to the charge for the URCF service port, BellSouth shall charge US LEC the rates set forth in Exhibit A for unbundled local switching, tandem switching, and common transport, including all associated usage incurred for calls from the URCF service telephone number (the number dialed by the calling party) to the forward-to number (service).

#### 4.2.12 **Provision for Unbundled Local Switching**

- 4.2.12.1 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.
- 4.2.12.2 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.
- 4.2.12.3 BellSouth shall perform manual call trace and permit customer originated call trace. 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.
- 4.2.12.4 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. BellSouth shall offer to US LEC all Advanced Intelligent Network (AIN) triggers in connection with its SMS/SCE offering.
- 4.2.12.5 BellSouth shall provide access to SS7 Signaling Network or Multi-Frequency trunking if requested by US LEC.

**4.2.13      Unbundled Local Switching Interfaces.**

- 4.2.13.1      US LEC shall order ports and associated interfaces compatible with the services it wishes to provide as listed in Exhibit A. BellSouth shall provide the following local switching interfaces:
  - 4.2.13.1.1      Standard Tip/Ring interface including loopstart or groundstart, on-hook signaling (e.g., for calling number, calling name and message waiting lamp);
  - 4.2.13.1.2      Coin phone signaling;
  - 4.2.13.1.3      Basic Rate Interface ISDN adhering to appropriate Telcordia Technical Requirements;
  - 4.2.13.1.4      Two-wire analog interface to PBX;
  - 4.2.13.1.5      Four-wire analog interface to PBX;
  - 4.2.13.1.6      Four-wire DS1 interface to PBX or customer provided equipment (e.g. computers and voice response systems);
  - 4.2.13.1.7      Primary Rate ISDN to PBX adhering to ANSI standards Q.931, Q.932 and appropriate Telcordia Technical Requirements;
  - 4.2.13.1.8      Switched Fractional DS1 with capabilities to configure Nx64 channels (where N = 1 to 24);
  - 4.2.13.1.9      Loops adhering to Telcordia TR-NWT-08 and TR-NWT-303 specifications to interconnect Digital Loop Carriers.
- 4.2.14      All End Users of US LEC who have service provisioned via 4-Wire ISDN DS1 Port with E911 Locator Capability shall physically be located in the E911 Tandem Switch service area.
- 4.2.15      US LEC shall pass its End User's telephone number to BellSouth over the Primary Interface (PRI) trunk group via ANI or via direct Centralized Automated Message Accounting (CAMA) trunks to the appropriate E911 tandem switch.
- 4.2.16      US LEC shall maintain the individual telephone number and the correct corresponding address/location data, including maintaining the End User listed address as the actual physical End User location in the E911 Automatic Location Identification (ALI) Database.
- 4.2.17      US LEC will be responsible and liable for any errors resulting from the submission of invalid telephone number and address/location data for the CLEC's End Users.

**4.3      Unbundled Tandem Switching**

- 4.3.1 The Tandem Switching capability Network Element is defined as: (i) trunk-connect facilities, which include, but are not limited to, the connection between trunk termination at a cross connect panel and switch trunk card; (ii) the basic switch trunk function of connecting trunks to trunks; and (iii) the functions that are centralized in the Tandem Switches (as distinguished from separate end office switches), including but not limited to call recording, the routing of calls to operator services and signaling conversion features.
- 4.3.1.1 Where US LEC utilizes portions of the BellSouth network in originating or terminating traffic, the Tandem Switching rates are applied in call scenarios where the Tandem Switching Network Element has been utilized. Because switch recordings cannot accurately indicate on a per call basis when the Tandem Switching Network Element has been utilized for an interoffice call originating from a UNE port and terminating to a BellSouth, Independent Company or Facility-Based CLEC office, BellSouth has developed, based upon call studies, a melded rate that takes into account the average percentage of calls that utilize Tandem Switching in these scenarios. BellSouth shall apply the melded Tandem Switching rate for every call in these scenarios. BellSouth shall utilize the melded Tandem Switching Rate until BellSouth has the capability to measure actual Tandem Switch usage in each call scenario specifically mentioned above, at which point the rate for the actual Tandem Switch usage shall apply. The UNE Call Flows set forth on BellSouth's website, as amended from time to time and incorporated herein by this reference, illustrate when the full or melded Tandem Switching rates apply for specific scenarios.
- 4.3.2 Technical Requirements
- 4.3.2.1 Tandem Switching shall have the same capabilities or equivalent capabilities as those described in Telcordia TR-TSY-000540 Issue 2R2, Tandem Supplement, June 1, 1990. The requirements for Tandem Switching include but are not limited to the following:
- 4.3.2.1.1 Tandem Switching shall provide signaling to establish a tandem connection;
- 4.3.2.1.2 Tandem Switching will provide screening as jointly agreed to by US LEC and BellSouth;
- 4.3.2.1.3 Where applicable, Tandem Switching shall provide AIN 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;
- 4.3.2.1.4 Where applicable, Tandem Switching shall provide access to Toll Free number database;
- 4.3.2.1.5 Tandem Switching shall provide connectivity to Public Safety Answering Point (PSAP)s where 911 solutions are deployed and the tandem is used for 911; and

- 4.3.2.1.6 Where appropriate, Tandem Switching shall provide connectivity for the purpose of routing transit traffic to and from other carriers.
- 4.3.2.2 BellSouth may perform testing and fault isolation on the underlying switch that is providing Tandem Switching. Such testing shall be testing routinely performed by BellSouth. The results and reports of the testing shall be made available to US LEC.
- 4.3.2.3 BellSouth shall control congestion points and network abnormalities. All traffic will be restricted in a non-discriminatory manner.
- 4.3.2.4 Tandem Switching shall process originating toll free traffic received from US LEC's local switch.
- 4.3.2.5 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.
- 4.3.3 Upon US LEC's purchase of overflow trunk groups, Tandem Switching shall provide an alternate routing pattern for US LEC's traffic overflowing from direct end office high usage trunk groups.
- 4.4 **AIN Selective Carrier Routing for Operator Services, Directory Assistance and Repair Centers**
- 4.4.1 Where BellSouth provides local switching to US LEC, BellSouth will provide AIN Selective Carrier Routing (AIN SCR) at the request of US LEC. AIN SCR will provide US LEC with the capability of routing operator calls, 0+ and 0- and 0+ NPA Local Numbering Plan Area (LNPA), 555-1212 directory assistance, 1+411 directory assistance and 611 repair center calls to pre-selected destinations.
- 4.4.2 US LEC shall order AIN SCR through its Account Team and/or Local Contract Manager. AIN SCR must first be established regionally and then on a per central office per state basis.
- 4.4.3 AIN SCR is not available in DMS 10 switches.
- 4.4.4 Where AIN SCR is utilized by US LEC, the routing of US LEC's End User calls shall be pursuant to information provided by US LEC and stored in BellSouth's AIN SCR Service Control Point database. AIN SCR shall utilize a set of Line Class Codes (LCCs) unique to a basic class of service assigned on an "as needed" basis. The same LCCs will be assigned in each central office where AIN SCR is established.
- 4.4.5 Upon ordering AIN SCR Regional Service, US LEC shall remit to BellSouth the Regional Service Order nonrecurring charges set forth in Exhibit A of this Attachment. There shall be a nonrecurring End Office Establishment Charge per office due at the addition of each central office where AIN SCR will be utilized.



Said nonrecurring charge shall be as set forth in Exhibit A of this Attachment. For each US LEC End User activated, there shall be a nonrecurring End User Establishment charge as set forth in Exhibit A of this Attachment. US LEC shall pay the AIN SCR Per Query Charge set forth in Exhibit A of this Attachment.

- 4.4.6 This Regional Service Order nonrecurring charge will be non-refundable and will be paid with one half due up-front with the submission of all fully completed required forms including: Regional Selective Carrier Routing (SCR) Order Request-Form A, Central Office AIN SCR SCR Order Request - Form B, AIN SCR Central Office Identification Form - Form C, AIN SCR Routing Options Selection Form - Form D, and Routing Combinations Table - Form E BellSouth has thirty (30) calendar days to respond to US LEC's fully completed firm order as a Regional Service Order. With the delivery of this firm order response to US LEC, BellSouth considers that the delivery schedule of this service commences. The remaining half of the Regional Service Order payment must be paid when at least ninety (90) percent of the Central Offices listed on the original order have been turned up for the service.
- 4.4.7 The nonrecurring End Office Establishment Charge will be billed to US LEC following BellSouth's normal monthly billing cycle for this type of order.
- 4.4.8 End-User Establishment Orders will not be turned-up until the second payment is received for the Regional Service Order. The nonrecurring End-User Establishment Charges will be billed to US LEC following BellSouth's normal monthly billing cycle for this type of order.
- 4.4.9 Additionally, the AIN SCR Per Query Charge will be billed to US LEC following the normal billing cycle for per query charges.
- 4.4.10 All other network components needed, for example, unbundled switching, unbundled local transport, etc., will be billed per contracted rates.

**4.5 Selective Call Routing Using Line Class Codes (SCR-LCC)**

- 4.5.1 Where US LEC purchases unbundled local switching from BellSouth and utilizes an operator services provider other than BellSouth, BellSouth will route US LEC's End User calls to that provider through Selective Call Routing.
- 4.5.2 Selective Call Routing using Line Class Codes (SCR-LCC) provides the capability for US LEC to have its Operator Call Processing/Directory Assistance (OCP/DA) calls routed to BellSouth's OCP/DA platform for BellSouth provided Custom Branded or Unbranded OCP/DA or to its own or an alternate OCP/DA platform for Self-Branded OCP/DA. SCR-LCC is only available if line class code capacity is available in the requested BellSouth end office switches

- 4.5.3 Custom Branding for Directory Assistance (DA) is not available for certain classes of service, including but not limited to Hotel/Motel services, WATS service, and certain PBX services.
- 4.5.4 Where available, US LEC specific and unique LCCs are programmed in each BellSouth end office switch where US LEC intends to serve End Users with customized OCP/DA branding. The LCCs specifically identify US LEC's End Users so OCP/DA calls can be routed over the appropriate trunk group to the requested OCP/DA platform. Additional LCCs are required in each end office if the end office serves multiple NPAs (i.e., a unique LCC is required per NPA), and/or if the end office switch serves multiple rate areas and US LEC intends to provide US LEC -branded OCP/DA to its End Users in these multiple rate areas.
- 4.5.5 SCR-LCC supporting Custom Branding and Self Branding require US LEC to order dedicated trunking from each BellSouth end office identified by US LEC, either to the BellSouth Traffic Operator Position System (TOPS) for Custom Branding or to the US LEC Operator Service Provider for Self Branding. Separate trunk groups are required for Operator Services and for DA. Rates for trunks are set forth in applicable BellSouth tariffs.
- 4.5.6 Unbranding - Unbranded DA and/or OCP calls ride common trunk groups provisioned by BellSouth from those end offices identified by US LEC to the BellSouth TOPS.
- 4.5.7 The Rates for SCR-LCC are as set forth in this Attachment. There is a nonrecurring charge for the establishment of each LCC in each BellSouth central office. Furthermore, for Unbranded and Custom Branded OCP/DA provided by BellSouth Operator Services with unbundled ports and unbundled port/loop switch combinations, monthly recurring usage charges shall apply for the UNEs necessary to provide the service, such as end office and tandem switching and common transport. A flat rated end office switching charge shall apply to Self-Branded OCP/DA when used in conjunction with unbundled ports and unbundled port/loop switch combinations.

## **5 Unbundled Network Element Combinations**

- 5.1 For purposes of this Section, references to "Currently Combined" Network Elements shall mean that the particular Network Elements requested by US LEC are in fact already combined by BellSouth in the BellSouth network. References to "Ordinarily Combined" Network Elements shall mean that the particular Network Elements requested by US LEC are not already combined by BellSouth in the location requested by US LEC but are elements that are typically combined in BellSouth's network. References to "Not Typically Combined" Network Elements shall mean that the particular Network Elements requested by US LEC are not elements that BellSouth combines for its use in its network.

- 5.1.1 Upon request, BellSouth shall perform the functions necessary to combine unbundled Network Elements in any manner, even if those elements are not ordinarily combined in BellSouth's network, provided that such combination is technically feasible and will not undermine the ability of other carriers to obtain access to unbundled Network Elements or to interconnect with BellSouth's network.

## **5.2 Enhanced Extended Links (EELs)**

- 5.2.1 EELs are combinations of unbundled Loops and unbundled dedicated transport as defined in this Attachment, together with any facilities, equipment, or functions necessary to combine those Network Elements, except that an EEL that is provisioned at the DS1 and/or DS3 level is a combination of loop and interoffice transport UNEs or commingled loop and interoffice transport facilities at the DS1 and/or DS3 level "High-Capacity EELs". BellSouth shall provide US LEC with EELs, pursuant to 47 U.S.C. § 251(c)(3) and 47 C.F.R. Part 51, where the underlying UNEs are available and in all instances where the requesting carrier meets the eligibility requirements as specified in 5.2.5 below, if applicable.
- 5.2.2 High-Capacity EELs must comply with the service eligibility requirements set forth in 5.2.5 below.
- 5.2.3 By placing an order for a High-Capacity EEL, US LEC thereby certifies that the service eligibility criteria set forth herein are met for access to a converted High-Capacity EEL, a new High-Capacity EEL, or the Network Element portion of a High-Capacity commingled EEL. However, BellSouth may notify US LEC when it detects an order that it does not believe complies with the eligibility criteria and US LEC shall have the option of modifying or canceling such order.
- 5.2.4 If a High-Capacity EEL or Ordinarily Combined Network Element is not readily available but can be made available through routine network modifications, pursuant to 47 C.F.R. Part 51, US LEC may request BellSouth to perform such routine network modifications as set forth in Section 1.7.4.
- 5.2.5 Service Eligibility Criteria
- 5.2.5.1 US LEC must certify that all of the following service eligibility criteria are met for each High-Capacity EEL:
- 5.2.5.1.1 US LEC has received state certification to provide local voice service in the area being served;
- 5.2.5.2 For each combined circuit, including each DS1 circuit, each DS1 EEL, and each DS1-equivalent circuit on a DS3 EEL:
- 5.2.5.2.1 1) Each circuit to be provided to each End User will be assigned a local number prior to the provision of service over that circuit;

- 5.2.5.2.2 2) Each DS1-equivalent circuit on a DS3 EEL must have its own local number assignment so that each DS3 must have at least twenty-eight (28) local voice numbers assigned to it;
  - 5.2.5.2.3 3) Each circuit to be provided to each End User will have 911 or E911 capability prior to provision of service over that circuit;
  - 5.2.5.2.4 4) Each circuit to be provided to each End User will terminate in a collocation arrangement that meets the requirements of 47 CFR 51.318(c);
  - 5.2.5.2.5 5) Each circuit to be provided to each End User will be served by an interconnection trunk over which US LEC will transmit the calling party's number in connection with calls exchanged over the trunk;
  - 5.2.5.2.6 6) For each twenty-four (24) DS1 EELs or other facilities having equivalent capacity, US LEC will have at least one (1) active DS1 local service interconnection trunk over which US LEC will transmit the calling party's number in connection with calls exchanged over the trunk;
  - 5.2.5.2.7 7) Each circuit to be provided to each End User will be served by a switch capable of switching local voice traffic.
- 5.2.6 BellSouth may, upon thirty (30) days written notice, on an annual basis, conduct a limited audit of US LEC's records in order to verify compliance with the High-Capacity EEL service eligibility criteria. The audit shall be conducted by a third party independent auditor ("Auditor"), hired and paid for by BellSouth except as otherwise noted in Section 5.2.7.2 below, and the audit must be performed in accordance with the standards established by the American Institute for Certified Public Accountants (AICPA).
- 5.2.7 The Auditor must perform its evaluation in accordance with the standards established by the AICPA, which will require the Auditor to perform an "examination engagement" and issue an opinion regarding US LEC's compliance with the qualifying service eligibility criteria. The concept of materiality will govern this audit and the Auditor's report will conclude whether US LEC complied in all material respects with the applicable service eligibility criteria, as such standards are established in AICPA Attestation Standards Sections 6.36 and 6.64 and other applicable sections.
- 5.2.7.1 To the extent the Auditor concludes that US LEC failed to comply with the service eligibility criteria for an audited circuit, US LEC must true-up any difference in payments, convert each noncompliant circuits to the appropriate service, and make the correct payments going forward..
- 5.2.7.2 To the extent the Auditor's report concludes that US LEC failed to comply in all material respects with the service eligibility criteria, US LEC must reimburse BellSouth for the cost of the Auditor.
- 5.2.7.3 To the extent the Auditor's report concludes that US LEC complied in all material respects with the service eligibility criteria, BellSouth will reimburse US LEC for its costs associated with the audit.

5.2.7.4 These audit rights are in addition to the Parties' audit rights contained elsewhere in this Agreement.

5.2.8. In the event US LEC converts special access services to UNEs, US LEC shall be subject to the termination liability provisions in the applicable special access tariffs, if any.

### **5.3 UNE Port/Loop Combinations**

5.3.1 Combinations of port and loop unbundled Network Elements along with switching and transport unbundled Network Elements provide local exchange service for the origination or termination of calls. Port/loop combinations support the same local calling and feature requirements as described in the Unbundled Local Switching or Port section of this Attachment and the ability to presubscribe to a primary carrier for intraLATA toll service and/or to presubscribe to a primary carrier for interLATA toll service.

5.3.2 BellSouth is not required to provide combinations of port and loop Network Elements on an unbundled basis in locations where, pursuant to FCC and Commission rules, BellSouth is not required to provide local circuit switching as an unbundled Network Element.

5.3.3 Notwithstanding BellSouth's general duty to unbundle local circuit switching, BellSouth shall not be required to unbundle local circuit switching for US LEC for a particular End User when US LEC: (1) serves an End User with four (4) or more voice-grade (DS0) equivalents or lines to the same end user premises served by BellSouth in Zone 1 of one of the following MSAs: Atlanta, GA; Miami, FL; Orlando, FL; Ft. Lauderdale, FL; Charlotte-Gastonia-Rock Hill, NC; Greensboro-Winston Salem-High Point, NC; Nashville, TN; and New Orleans, LA; or (2) serves an End User with a DS1 or higher capacity Loop in any service area covered by this Agreement. To the extent that US LEC is serving any End User as described in (2) above as of Effective Date hereof, such End User's arrangement may not remain in place and such Arrangement must be terminated by US LEC or transitioned by US LEC, pursuant to Section 1.7 of this Attachment or BellSouth shall disconnect such Arrangements pursuant to Section 1.7.

5.3.4 BellSouth shall make 911 updates in the BellSouth 911 database for US LEC's UNE port/Loop combinations. BellSouth will not bill US LEC for 911 surcharges. US LEC is responsible for paying all 911 surcharges to the applicable governmental agency.

### **5.4 Rates**

#### **BELLSOUTH PROPOSED LANGUAGE**

- 5.4.1 The rates for the Currently Combined Network Elements specifically set forth in Exhibit A of this Attachment shall be the rates associated with such combinations. Where a Currently Combined combination is not specifically set forth in Exhibit A, the rate for such Currently Combined combination of Network Elements shall be the sum of the recurring rates for those individual Network Elements in addition to the applicable non-recurring switch as is charge as set forth in Exhibit A.

#### **US LEC PROPOSED LANGUAGE**

- 5.4.1 The rates for the Currently Combined Network Elements specifically set forth in Exhibit A of this Attachment shall be the rates associated with such combinations. Where a Currently Combined combination is not specifically set forth in Exhibit A, the rate for such Currently Combined combination of Network Elements shall be the sum of the recurring rates for those individual Network Elements as set forth in Exhibit A.
- 5.4.2 The rates for the Ordinarily Combined Network Elements specifically set forth in Exhibit A of this Attachment shall be the non-recurring and recurring charges for those combinations. Where an Ordinarily Combined combination is not specifically set forth in Exhibit A, the rate for such Ordinarily Combined combination of Network Elements shall be the sum of the recurring and non-recurring rates for those individual Network Elements as set forth in Exhibit A.
- 5.4.3 Except as set forth in this Section 5, BellSouth shall provide UNE port/loop combinations specifically set forth in Exhibit A that are Currently Combined or Ordinarily Combined in BellSouth's network at the cost-based rates in Exhibit A.
- 5.4.4 BellSouth shall provide other Currently Combined and Ordinarily Combined and Not Typically Combined UNE Combinations to US LEC in addition to those specifically referenced in this Section 5 above, where available. To the extent US LEC requests a combination for which BellSouth does not have rates and methods and procedures in place to provide such combination, rates and/or methods and procedures for such combination will be developed pursuant to the BFR/NBR process.

#### **6 Transport, Channelization and Dark Fiber**

##### **6.1 Transport**

- 6.1.1 BellSouth shall provide nondiscriminatory access, in accordance with 47 C.F.R. §§ 51.311, 51.319, and 47 U.S.C. § 251(c)(3), to interoffice transmission facilities described in this Section 6 on an unbundled basis to US LEC for the provision of Qualifying and Non-Qualifying Service, as set forth herein, so long as the facilities is not used solely for Non-Qualifying Services.

- 6.1.1.1 Dedicated Transport is defined in 47 C.F.R. 51.319(e) as BellSouth's interoffice transmission facilities, dedicated to a particular customer or carrier that US LEC uses for transmission between wire centers or switches owned by BellSouth and within the same LATA. To the extent that BellSouth has local switching equipment, as defined by the FCC's rules, "reverse collocated" in a non-incumbent LEC premises, the transmission path from this point back to the BellSouth wire center shall constitute Dedicated Transport.
- 6.1.1.2 Dark Fiber Transport is inactivated optical Dedicated Transport as defined in 6.1.1.1 above.
- 6.1.1.3 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. Where BellSouth Network Elements are connected by intraoffice wiring, such wiring is provided as part of the Network Element and is not Common (Shared) Transport.
- 6.1.1.3.1 Notwithstanding any other provision of this Agreement, BellSouth will only provide unbundled access to Common (Shared) Transport to the extent BellSouth is required to provide and is providing unbundled Local Circuit Switching to US LEC.
- 6.1.2 BellSouth shall:
  - 6.1.2.1 Provide US LEC exclusive use of Dedicated Transport 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;
  - 6.1.2.2 Provide all technically feasible features, functions, and capabilities of the transport facility;
  - 6.1.2.3 Permit, to the extent technically feasible, US LEC to connect such interoffice facilities to equipment designated by US LEC, including but not limited to, US LEC's collocated facilities; and
  - 6.1.2.4 Permit, to the extent technically feasible, US LEC to obtain the functionality provided by BellSouth's digital cross-connect systems.
- 6.1.3 Technical Requirements of Common (Shared) Transport
  - 6.1.3.1 Common (Shared) Transport provided on DS1, DS3, and STS-1 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 applicable industry standards.

- 6.1.3.2 BellSouth shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common (Shared) Transport.
- 6.1.3.3 At a minimum, Common (Shared) Transport shall meet all of the requirements set forth in the applicable industry standards.
- 6.2 **Dedicated Transport**
- 6.2.1 BellSouth shall offer Dedicated Transport in each of the following ways:
- 6.2.1.1 As capacity on a shared UNE facility.
- 6.2.1.2 As a circuit (e.g., DS0, DS1, DS3) dedicated to US LEC.
- 6.2.2 Dedicated Transport may be provided over facilities such as optical fiber, copper twisted pair, and coaxial cable, and shall include transmission equipment such as line terminating equipment, amplifiers, and regenerators.
- 6.2.3 US LEC may obtain a maximum of twelve (12) unbundled dedicated DS3 circuits, for any single route at the UNE rates set forth in Exhibit A for which dedicated DS3 transport is available as unbundled transport. Additional capacity may be purchased pursuant to the rates, terms and conditions as set forth in the applicable tariff. A route is defined as a transmission path between one of BellSouth's wire centers or switches and another of BellSouth's wire centers or switches. A route between two (2) points may pass through one or more intermediate wire centers or switches. Transmission paths between identical end points are the same "route", irrespective of whether they pass through the same intermediate wire centers or switches, if any.
- 6.2.4 Any request to re-terminate one end of a circuit will require the issuance of new service and disconnection of the existing service and the applicable charges in Exhibit A shall apply, and the re-terminated circuit shall be considered a new circuit as of the installation date.
- 6.2.5 If Dedicated Transport is not readily available but can be made available through routine network modifications, pursuant to 47 C.F.R. Part 51, US LEC may request BellSouth to perform such routine network modifications as set forth in Section 1.7.4.
- 6.2.6 **Technical Requirements**
- 6.2.6.1 The entire designated transmission service (e.g., DS0, DS1, DS3) shall be dedicated to US LEC designated traffic.
- 6.2.6.2 For DS1 or DS3 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 applicable industry standards.

- 6.2.6.3 BellSouth shall offer the following interface transmission rates for Dedicated Transport:
  - 6.2.6.3.1 DS0 Equivalent;
  - 6.2.6.3.2 DS1;
  - 6.2.6.3.3 DS3; and
  - 6.2.6.3.4 SDH (Synchronous Digital Hierarchy) Standard interface rates are in accordance with International Telecommunications Union (ITU) Recommendation G.707 and Plesiochronous Digital Hierarchy (PDH) rates per ITU Recommendation G.704.
- 6.2.6.4 BellSouth shall design Dedicated Transport according to its network infrastructure. US LEC shall specify the termination points for Dedicated Transport.
- 6.2.6.5 At a minimum, Dedicated Transport shall meet each of the requirements set forth in the applicable industry technical references.
- 6.2.6.6 BellSouth Technical References:
  - 6.2.6.6.1 TR-TSY-000191 Alarm Indication Signals Requirements and Objectives, Issue 1, May 1986.
  - 6.2.6.6.2 TR 73501 LightGate®Service Interface and Performance Specifications, Issue D, June 1995.
  - 6.2.6.6.3 TR 73525 MegaLink®Service, MegaLink Channel Service and MegaLink Plus Service Interface and Performance Specifications, Issue C, May 1996.

### **6.3 Unbundled Channelization (Multiplexing)**

- 6.3.1 Unbundled Channelization (UC) provides the optional multiplexing capability that will allow a DS1 (1.544 Mbps) or DS3 (44.736 Mbps) or STS-1 (51.84 Mbps) UNE or collocation cross connect to be multiplexed or channelized at a BellSouth central office. Channelization can be accomplished through the use of a multiplexer or a digital cross connect system at the discretion of BellSouth. Once UC has been installed, US LEC may request channel activation on an as needed basis and BellSouth shall connect the requested facilities via Central Office Channel Interfaces (COCIs). The COCI must be compatible with the lower capacity facility and ordered with the lower capacity facility. This service is available as defined in NECA 4.

- 6.3.2 BellSouth shall make available the following channelization systems and interfaces:
- 6.3.2.1 DS1 Channelization System: channelizes a DS1 signal into a maximum of twenty-four (24) DS0s. The following Central Office Channel Interfaces (COCI) are available: Voice Grade, Digital Data and ISDN.
- 6.3.2.2 DS3 Channelization System: channelizes a DS3 signal into a maximum of twenty-eight (28) DS1s. A DS1 COCI is available with this system.
- 6.3.2.3 STS-1 Channelization System: channelizes a STS-1 signal into a maximum of twenty-eight (28) DS1s. A DS1 COCI is available with this system.
- 6.3.2.4 AMI and B8ZS line coding with either Super Frame (SF) and Extended Super Frame (ESF) framing formats will be supported as an optional feature on DS1 facilities.
- 6.3.3 Technical Requirements
- 6.3.3.1 In order to assure proper operation with BellSouth provided central office multiplexing functionality, US LEC's channelization equipment must adhere strictly to form and protocol standards. US LEC must also adhere to such applicable industry standards for the multiplex channel bank, for voice frequency encoding, for various signaling schemes, and for sub rate digital access.
- 6.3.3.2 TR 73501 LightGate<sup>®</sup> Service Interface and Performance Specifications, Issue D, June 1995
- 6.4 Dark Fiber Transport
- 6.4.1 Dark Fiber Transport is strands of optical fiber existing in aerial or underground structure. BellSouth will not provide line terminating elements, regeneration or other electronics necessary for US LEC to utilize Dark Fiber Transport.
- 6.4.2 If Dark Fiber Transport is not readily available but can be made available through routine network modifications, as defined by the FCC, US LEC may request BellSouth to perform such routine network modifications as set forth in Section 1.7.4.
- 6.4.3 Requirements

### **BELLSOUTH PROPOSED LANGUAGE**

- 6.4.3.1 BellSouth shall make available Dark Fiber Transport where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. Dark Fiber Transport will not be deemed available if (1) it is used by BellSouth for maintenance and repair purposes, (2) it is designated for

use pursuant to a firm order placed by another customer, (3) it is restricted for use by all carriers, including BellSouth, because of transmission problems or because it is scheduled for removal due to documented changes to roads and infrastructure, or (4) BellSouth has plans to use the fiber within a two year planning period. BellSouth is not required to place fibers for Dark Fiber Transport if there are none available.

### **US LEC PROPOSED LANGUAGE**

- 6.4.3.1 BellSouth shall make available Dark Fiber Transport where it exists in BellSouth's network and where, as a result of future building or deployment, it becomes available. Dark Fiber Transport will not be deemed available if (1) it is used by BellSouth for maintenance and repair purposes, (2) it is designated for use pursuant to a firm order placed by another customer, or (3) it is restricted for use by all carriers, including BellSouth, because of transmission problems or because it is scheduled for removal due to documented changes to roads and infrastructure. BellSouth is not required to place fibers for Dark Fiber Transport if there are none available.
- 6.4.3.2 BellSouth will provide continuity and loss test results prior to cutover. <<customer\_short\_name is solely responsible for testing the quality of Dark Fiber Transport to determine its usability and performance specifications.
- 6.4.3.3 BellSouth shall use its best efforts to provide to US LEC information regarding the location, availability and performance of Dark Fiber Transport within ten (10) business days after receiving a request from US LEC. Within such time period, BellSouth shall send written confirmation of availability of the Dark Fiber Transport.
- 6.4.3.4 If the requested Dark Fiber Transport is available, BellSouth shall use its commercially reasonable efforts to provision the Dark Fiber Transport to US LEC within twenty (20) business days after US LEC submits a valid, error free LSR. Provisioning includes identification of appropriate connection points (e.g., LGX) to enable US LEC to connect US LEC provided transmission media (e.g., optical fiber) or equipment to the Dark Fiber Transport.

## **7 Databases**

- 7.1 Call Related Databases are the databases set forth in this Attachment, other than OSS, that are used in signaling networks for billing and collection, or the transmission, routing or other provision of a telecommunications service. Notwithstanding anything to the contrary herein, BellSouth shall only provide unbundled access to BellSouth Switched Access (SWA) 8XX Toll Free Dialing Ten Digit Screening Service, Line Information Database (LIDB), Signaling, Signaling Link Transport, Signaling Transfer Points, SS7 AIN Access, Service Control Point\Databases, Local Number Portability Databases, SS7 Network Interconnection, and Calling Name (CNAM) Database Service at the prices set

forth herein where BellSouth is required to provide and is providing unbundled access to local circuit switching to US LEC.

- 7.2 To the extent unbundled local circuit switching is converted to market based switching pursuant to Section 4.2.2 of this Attachment, BellSouth may, at its discretion, provide access to BellSouth Switched Access (SWA) 8XX Toll Free Dialing Ten Digit Screening Service, LIDB, Signaling, Signaling Link Transport, Signaling Transfer Points, SS7 AIN Access, Service Control Point/Databases, Local Number Portability Databases, SS7 Network Interconnection, Calling Name (CNAM) at market based rates pursuant to a separate agreement or tariff.

**8 BellSouth Switched Access (SWA) 8XX Toll Free Dialing Ten Digit Screening Service**

- 8.1 The BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service database (8XX SCP Database) is a SCP that contains customer record information and the functionality to provide call-handling instructions for 8XX calls. The 8XX SCP IN software stores data downloaded from the national SMS/8XX database 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 (8XX TFD Service) utilizes the 8XX SCP Database to provide identification and routing of the 8XX calls, based on the ten digits dialed. At US LEC's option, 8XX TFD Service is provided with or without POTS number delivery, dialing number delivery, and other optional complex features as selected by US LEC.
- 8.2 The 8XX SCP Database is designated to receive and respond to queries using the ANSI Specification of Signaling System Seven (SS7) protocol.

**9 Line Information Database**

- 9.1 LIDB is a transaction-oriented database accessible through Common Channel Signaling (CCS) networks. For access to LIDB, US LEC must purchase appropriate signaling links pursuant to Section 10 of this Attachment. LIDB 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.
- 9.2 Technical Requirements
- 9.2.1 BellSouth will offer to US LEC any additional capabilities that are developed for LIDB during the life of this Agreement.

- 9.2.2 BellSouth shall process US LEC's customer records in LIDB at least at parity with BellSouth customer records, with respect to other LIDB functions. BellSouth shall indicate to US LEC what additional functions (if any) are performed by LIDB in the BellSouth network.
- 9.2.3 Within two (2) weeks after a request by US LEC, BellSouth shall provide US LEC with a list of the customer data items, which US LEC 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.
- 9.2.4 BellSouth shall provide LIDB systems for which operating deficiencies that would result in calls being blocked shall not exceed thirty (30) minutes per year.
- 9.2.5 BellSouth shall provide LIDB systems for which operating deficiencies that would not result in calls being blocked shall not exceed twelve (12) hours per year.
- 9.2.6 BellSouth shall provide LIDB systems for which the LIDB function shall be in overload no more than twelve (12) hours per year.
- 9.2.7 All additions, updates and deletions of US LEC data to the LIDB shall be solely at the direction of US LEC. Such direction from US LEC will not be required where the addition, update or deletion is necessary to perform standard fraud control measures (e.g., calling card auto-deactivation).
- 9.2.8 BellSouth shall provide priority updates to LIDB for US LEC data upon US LEC'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.
- 9.2.9 BellSouth shall provide LIDB systems such that no more than 0.01% of US LEC customer records will be missing from LIDB, as measured by US LEC audits. BellSouth will audit US LEC records in LIDB against Data Base Administration System (DBAS) to identify record mismatches and provide this data to a designated US LEC contact person to resolve the status of the records and BellSouth will update system appropriately. BellSouth will refer record of mismatches to US LEC within one (1) business day of audit. Once reconciled records are received back from US LEC, BellSouth will update LIDB the same business day if less than 500 records are received before 1:00PM Central Time. If more than 500 records are received, BellSouth will contact US LEC to negotiate a time frame for the updates, not to exceed three business days.
- 9.2.10 BellSouth shall perform backup and recovery of all of US LEC'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.

- 9.2.11 BellSouth shall provide US LEC with LIDB reports of data which are missing or contain errors, as well as any misrouted errors, within a reasonable time period as negotiated between US LEC and BellSouth.
- 9.2.12 BellSouth shall prevent any access to or use of US LEC 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 US LEC in writing.
- 9.2.13 BellSouth shall provide US LEC performance of the LIDB Data Screening function, which allows a LIDB to completely or partially deny specific query originators access to LIDB data owned by specific data owners, for Customer Data that is part of an NPA-NXX or RAO-0/1XX wholly or partially owned by US LEC at least at parity with BellSouth Customer Data. BellSouth shall obtain from US LEC the screening information associated with LIDB Data Screening of US LEC data in accordance with this requirement. BellSouth currently does not have LIDB Data Screening capabilities. When such capability is available, BellSouth shall offer it to US LEC under the BFR/NBR process as set forth in Attachment 11.
- 9.2.14 BellSouth shall accept queries to LIDB associated with US LEC customer records and shall return responses in accordance with industry standards.
- 9.2.15 BellSouth shall provide mean processing time at the LIDB within 0.50 seconds under normal conditions as defined in industry standards.
- 9.2.16 BellSouth shall provide processing time at the LIDB within 1 second for 99% of all messages under normal conditions as defined in industry standards.

### 9.3 Interface Requirements

- 9.3.1 BellSouth shall offer LIDB in accordance with the requirements of this subsection.
- 9.3.2 The interface to LIDB shall be in accordance with the technical references contained within.
- 9.3.3 The CCS interface to LIDB shall be the standard interface described herein.
- 9.3.4 The LIDB Data Base interpretation of the ANSI-TCAP messages shall comply with the technical reference herein. Global Title Translation (GTT) shall be maintained in the signaling network in order to support signaling network routing to the LIDB.

- 9.3.5 The application of the LIDB rates contained in Exhibit A to this Attachment will be based on a Percent CLEC LIDB Usage (PCLU) factor. US LEC shall provide BellSouth a PCLU. The PCLU will be applied to determine the percentage of total LIDB usage to be billed to the other Party at local rates. US LEC shall update its PCLU on the first of January, April, July and October and shall send it to BellSouth to be received no later than thirty (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 PCLU calculation and reporting shall be as set forth in BellSouth's Jurisdictional Factors Reporting Guide, as it is amended from time to time.

## **10 Signaling**

- 10.1 BellSouth shall offer access to signaling and access to BellSouth's signaling databases subject to compatibility testing and at the rates set forth in this Attachment. 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.

### **10.2 Signaling Link Transport**

- 10.2.1 Signaling Link Transport is a set of two (2) or four (4) dedicated 56 kbps transmission paths between US LEC designated Signaling Points of Interconnection that provide appropriate physical diversity.

#### **10.2.2 Technical Requirements**

- 10.2.3 Signaling Link Transport shall consist of full duplex mode 56 kbps transmission paths and shall perform in the following two ways:

- 10.2.3.1 As an "A-link" Signaling Link Transport is a connection between a switch or SCP and a home Signaling Transfer Point switch pair; and

- 10.2.3.2 As a "B-link" Signaling Link Transport is a connection between two Signaling Transfer Point switch pairs in different company networks (e.g., between two Signaling Transfer Point switch pairs for two CLECs).

- 10.2.4 Signaling Link Transport shall consist of two (2) or more signaling link layers as follows:

- 10.2.4.1 An A-link layer shall consist of two (2) links.

- 10.2.4.2 A B-link layer shall consist of four (4) links.

- 10.2.4.3 A signaling link layer shall satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

- 10.2.4.4 No single failure of facilities or equipment causes the failure of both links in an A-link layer (i.e., the links should be provided on a minimum of two (2) separate physical paths end-to-end); and
- 10.2.4.5 No two (2) concurrent failures of facilities or equipment shall cause the failure of all four (4) links in a B-link layer (i.e., the links should be provided on a minimum of three separate physical paths end-to-end).

10.2.5 Interface Requirements

- 10.2.5.1 There shall be a DS1 (1.544 Mbps) interface at US LEC's designated SPOIs. Each 56 kbps transmission path shall appear as a DS0 channel within the DS1 interface.

**10.3 Signaling Transfer Points**

- 10.3.1 A STP is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches (STPS) and their associated signaling links that enables the exchange of SS7 messages among and between switching elements, database elements and signaling transfer point switches.

10.3.2 Technical Requirements

- 10.3.2.1 STPs shall provide access to BellSouth Local Switching or Tandem Switching and to BellSouth Service Control Points/Databases connected to BellSouth SS7 network. STPs also provide access to third-party local or tandem switching and third-party-provided STPs.
- 10.3.2.2 The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to the BellSouth SS7 network. This 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., transit messages). When the BellSouth SS7 network is used to convey transit messages, there shall be no alteration of the Integrated Services Digital Network User Part or Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message.
- 10.3.2.3 If a BellSouth tandem switch routes traffic, based on dialed or translated digits, on SS7 trunks between a US LEC 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 US LEC 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.
- 10.3.2.4 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service as defined in Telcordia ANSI Interconnection



Requirements. This includes GTT and SCCP Management procedures, as specified in ANSI T1.112.4. Where the destination signaling point is a US LEC 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 US LEC database, then US LEC agrees to provide BellSouth with the Destination Point Code for US LEC database.

- 10.3.2.5 STPs shall provide all functions of the Operations, Maintenance and Administration Part (OMAP) as specified in applicable industry standard technical references, which may include, where available in BellSouth's network, MTP Routing Verification Test (MRVT) and SCCP Routing Verification Test (SRVT).
- 10.3.2.6 Where the destination signaling point is a BellSouth local or tandem switching system or database, or is a US LEC 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 may be superseded by the specifications for Internetwork MRVT and SRVT when these become approved ANSI standards and available capabilities of BellSouth STPs.

#### **10.4 SS7**

- 10.4.1 When technically feasible and upon request by US LEC, SS7 AIN 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 US LEC's SS7 network to exchange TCAP queries and responses with a US LEC SCP.
- 10.4.2 SS7 AIN Access shall provide US LEC SCP access to an equipped BellSouth local switch via interconnection of BellSouth's SS7 and US LEC SS7 Networks. BellSouth shall offer SS7 AIN 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 US LEC SCP as at least at parity with BellSouth's SCPs in terms of interfaces, performance and capabilities.
- 10.4.3 Interface Requirements
- 10.4.3.1 BellSouth shall provide the following STP options to connect US LEC or US LEC-designated local switching systems to the BellSouth SS7 network:

- 10.4.3.1.1 An A-link interface from US LEC local switching systems; and,
- 10.4.3.1.2 A B-link interface from US LEC local STPs.
- 10.4.3.2 Each type of interface shall be provided by one or more layers of signaling links.
- 10.4.3.3 The Signaling Point of Interconnection for each link shall be located at a cross-connect element in the 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.
- 10.4.3.4 BellSouth shall provide intraoffice diversity between the SPOI 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.
- 10.4.3.5 STPs shall provide all functions of the MTP as defined in the applicable industry standard technical references.
- 10.4.4 Message Screening
  - 10.4.4.1 BellSouth shall set message screening parameters so as to accept valid messages from US LEC local or tandem switching systems destined to any signaling point within BellSouth's SS7 network where the US LEC switching system has a valid signaling relationship.
  - 10.4.4.2 BellSouth shall set message screening parameters so as to pass valid messages from US LEC local or tandem switching systems destined to any signaling point or network accessed through BellSouth's SS7 network where the US LEC switching system has a valid signaling relationship.
  - 10.4.4.3 BellSouth shall set message screening parameters so as to accept and pass/send valid messages destined to and from US LEC from any signaling point or network interconnected through BellSouth's SS7 network where the US LEC SCP has a valid signaling relationship.
- 10.5 Service Control Points (SCP)/Databases
  - 10.5.1 Call Related Databases provide the storage of, access to, and manipulation of information required to offer a particular service and/or capability. BellSouth shall provide access to the following Databases: Local Number Portability, LIDB, Toll Free Number Database, Automatic Location Identification/Data Management System, and Calling Name Database. BellSouth also provides access to Service Creation Environment and Service Management System (SCE/SMS) application databases and Directory Assistance.
  - 10.5.2 A SCP is deployed in a 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.

10.5.3      **Technical Requirements for SCPs/Databases**

10.5.3.1      BellSouth shall provide physical access to SCPs through the SS7 network and protocols with TCAP as the application layer protocol.

10.5.3.2      BellSouth shall provide physical interconnection to databases via industry standard interfaces and protocols (e.g. SS7, ISDN and X.25).

10.5.3.3      The reliability of interconnection options shall be consistent with requirements for diversity and survivability.

**10.6      Local Number Portability Database**

10.6.1      The Permanent Number Portability (PNP) database supplies routing numbers for calls involving numbers that have been ported from one local service provider to another. BellSouth agrees to provide access to the PNP database at rates, terms and conditions as set forth by BellSouth and in accordance with an effective FCC or Commission directive.

**10.7      SS7 Network Interconnection**

10.7.1      SS7 Network Interconnection is the interconnection of US LEC local signaling transfer point switches or US LEC local or tandem switching systems with BellSouth signaling transfer point switches. This interconnection provides connectivity that enables the exchange of SS7 messages among BellSouth switching systems and databases, US LEC local or tandem switching systems, and other third-party switching systems directly connected to the BellSouth SS7 network.

10.7.2      The connectivity provided by SS7 Network Interconnection shall fully support the functions of BellSouth switching systems and databases and US LEC or other third-party switching systems with A-link access to the BellSouth SS7 network.

10.7.3      If traffic is routed based on dialed or translated digits between a US LEC 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 US LEC local signaling transfer point switches and BellSouth or other third-party local switch.

10.7.4      SS7 Network Interconnection shall provide:

- 10.7.4.1 Signaling Data Link functions, as specified in ANSI T1.111.2;
- 10.7.4.2 Signaling Link functions, as specified in ANSI T1.111.3; and
- 10.7.4.3 Signaling Network Management functions, as specified in ANSI T1.111.4.
- 10.7.5 SS7 Network Interconnection shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service as specified in ANSI T1.112. This includes GTT and SCCP Management procedures as specified in ANSI 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 US LEC local or tandem switching system, SS7 Network Interconnection shall include intermediate GTT of messages to a gateway pair of US LEC local STPs and shall not include SCCP Subsystem Management of the destination.
- 10.7.6 SS7 Network Interconnection shall provide all functions of the Integrated Services Digital Network User Part as specified in ANSI T1.113.
- 10.7.7 SS7 Network Interconnection shall provide all functions of the TCAP as specified in ANSI T1.114.
- 10.7.8 If Internetwork MRVT and SRVT become approved ANSI standards and available capabilities of BellSouth STPs, SS7 Network Interconnection may provide these functions of the OMAP.
- 10.7.9 Interface Requirements
- 10.7.9.1 The following SS7 Network Interconnection interface options are available to connect US LEC or US LEC-designated local or tandem switching systems or signaling transfer point switches to the BellSouth SS7 network:
  - 10.7.9.1.1 A-link interface from US LEC local or tandem switching systems; and
  - 10.7.9.1.2 B-link interface from US LEC STPs.
- 10.7.9.2 The Signaling Point of Interconnection for each link shall be located at a cross-connect element in the central office where the BellSouth STP is located. There shall be a DS1 or higher rate transport interface at each of the Signaling Points of interconnection. Each signaling link shall appear as a DS0 channel within the DS1 or higher rate interface.
- 10.7.9.3 BellSouth shall provide intraoffice diversity between the Signaling Points of Interconnection and the BellSouth STP, 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.

- 10.7.9.4 The protocol interface requirements for SS7 Network Interconnection include the MTP, ISDNUP, SCCP, and TCAP. These protocol interfaces shall conform to the applicable industry standard technical references.
- 10.7.9.5 BellSouth shall set message screening parameters to accept messages from US LEC local or tandem switching systems destined to any signaling point in the BellSouth SS7 network with which the US LEC switching system has a valid signaling relationship.

**11 Automatic Location Identification/Data Management System (ALI/DMS)**

- 11.1 The ALI/DMS Database contains End User information (including name, address, telephone information, and sometimes special information from the local service provider or End User) used to determine to which PSAP to route the call. The ALI/DMS database is used to provide enhanced routing flexibility for E911. US LEC will be required to provide BellSouth daily updates to E911 database. US LEC shall also be responsible for providing BellSouth with complete and accurate data for submission to the 911/E911 database for the purpose of providing 911/E911 service to its End Users.

**11.2 Technical Requirements**

- 11.2.1 BellSouth shall provide US LEC the capability of providing updates to the ALI/DMS database. BellSouth shall provide error reports from the ALI/DMS database to US LEC after US LEC provides End User information for input into the ALI/DMS database.
- 11.2.2 US LEC shall conform to the National Emergency Number Association (NENA) recommended standards for LNP and updating the ALI/DMS database.

**12 Calling Name Database Service**

- 12.1 CNAM is the ability to associate a name with the calling party number, allowing the End User (to which a call is being terminated) to view the calling party's name before the call is answered. The calling party's information is accessed by queries launched to the CNAM database. This service also provides US LEC the opportunity to load and store its subscriber names in the BellSouth CNAM SCPs.
- 12.2 US LEC shall submit to BellSouth a notice of its intent to access and utilize BellSouth CNAM Database Services. Said notice shall be in writing no less than sixty (60) calendar days prior to US LEC's access to BellSouth's CNAM Database Services and shall be addressed to US LEC's Local Contract Manager.
- 12.3 BellSouth's provision of CNAM Database Services to US LEC requires interconnection from US LEC to BellSouth CNAM SCPs. Such interconnections shall be established pursuant to Attachment 3 of this Agreement.

- 12.4 In order to formulate a CNAM query to be sent to the BellSouth CNAM SCP, US LEC shall provide its own CNAM SSP. US LEC's CNAM SSPs must be compliant with TR-NWT-001188, "CLASS Calling Name Delivery Generic Requirements".
- 12.5 If US LEC elects to access the BellSouth CNAM SCP via a third party CCS7 transport provider, the third party CCS7 provider shall interconnect with the BellSouth CCS7 network according to BellSouth's Common Channel Signaling Interconnection Guidelines and Telcordia's CCS Network Interface Specification document, TR-TSV-000905. In addition, the third party provider shall establish CCS7 interconnection at the BellSouth Local Signal Transfer Points (LSTPs) serving the BellSouth CNAM SCPs that US LEC desires to query.
- 12.6 If US LEC queries the BellSouth CNAM SCP via a third party national SS7 transport provider, the third party SS7 provider shall interconnect with the BellSouth CCS7 network according to BellSouth's Common Channel Signaling Interconnection Guidelines and Telcordia's CCS Network Interface Specification document, TR-TSV-000905. In addition, the third party provider shall establish SS7 interconnection at one or more of the BellSouth Gateway STPs. The payment of all costs associated with the transport of SS7 signals via a third party will be established by mutual agreement of the Parties and this Agreement shall be amended in accordance with modification of the General Terms and Conditions incorporated herein by this reference.
- 12.7 The mechanism to be used by US LEC for initial CNAM record load and/or updates shall be determined by mutual agreement. The initial load and all updates shall be provided by US LEC in the BellSouth specified format and shall contain records for every working telephone number that can originate phone calls. It is the responsibility of US LEC to provide accurate information to BellSouth on a current basis.
- 12.8 Updates to the SMS shall occur no less than once a week, reflect service order activity affecting either name or telephone number, and involve only record additions, deletions or changes.
- 12.9 US LEC CNAM records provided for storage in the BellSouth CNAM SCP shall be available, on a SCP query basis only, to all Parties querying the BellSouth CNAM SCP. Further, CNAM service shall be provided by each Party consistent with state and/or federal regulation.
- 13 Service Creation Environment and Service Management System (SCE/SMS) Advanced Intelligent Network Access**
- 13.1 BellSouth's SCE/SMS AIN Access shall provide US LEC the capability to create service applications in a BellSouth SCE and deploy those applications in a BellSouth SMS to a BellSouth SCP.

- 13.2 BellSouth's SCE/SMS AIN Access shall provide access to SCE hardware, software, testing and technical support (e.g., help desk, system administrator) resources available to US LEC. Training, documentation, and technical support will address use of SCE and SMS access and administrative functions but will not include support for the creation of a specific service application.
- 13.3 BellSouth SCP shall partition and protect US LEC service logic and data from unauthorized access.
- 13.4 When US LEC selects SCE/SMS AIN Access, BellSouth shall provide training, documentation, and technical support to enable US LEC to use BellSouth's SCE/SMS AIN Access to create and administer applications.
- 13.5 US LEC access will be provided via remote data connection (e.g., dial-in, ISDN).
- 13.6 BellSouth shall allow US LEC to download data forms and/or tables to BellSouth SCP via BellSouth SMS without intervention from BellSouth.

**14 Operational Support Systems**

- 14.1 BellSouth has developed and made available electronic interfaces by which US LEC may submit LSRs electronically.
- 14.2 LSRs submitted by means of one of these electronic interfaces will incur an OSS electronic ordering charge. An individual LSR will be identified for billing purposes by its Purchase Order Number (PON). LSRs submitted by means other than one of these interactive interfaces (mail, fax, courier, etc.) will incur a manual order charge. All OSS charges are specified in Exhibit A of this Attachment.
- 14.3 Denial/Restoral OSS Charge
- 14.3.1 In the event US LEC provides a list of customers to be denied and restored, rather than an LSR, each location on the list will require a separate PON and therefore will be billed as one LSR per location.
- 14.4 Cancellation OSS Charge
- 14.4.1 US LEC will incur an OSS charge for an accepted LSR that is later canceled.
- 14.5 Supplements or clarifications to a previously billed LSR will not incur another OSS charge.
- 14.6 Network Elements and Other Services Manual Additive
- 14.6.1 The Commissions in some states have ordered per element manual additive nonrecurring charges (NRC) for Network Elements and Other Services ordered by means other than one of the interactive interfaces. These ordered Network

Elements and Other Services manual additive NRCs will apply in these states, rather than the charge per LSR. The per element charges are listed in Exhibit A.



BEFORE THE TENNESSEE REGULATORY AUTHORITY  
Nashville, Tennessee

*In Re*

*Petition for Arbitration of US LEC of Tennessee Inc. of an Amendment to an Interconnection Agreement with BellSouth Telecommunications, Inc. Pursuant to Section 252(b) of the Communications Act of 1934, as amended*

*Petition of US LEC of Tennessee Inc. to Resolve Dispute with BellSouth Telecommunications, Inc. on Change of Law Provisions to the Interconnection Agreement*

Docket No. 04-00089

**JOINT ISSUES MATRIX**

ISSUE NO.	ISSUE DESCRIPTION	US-LEC'S POSITION	BELLSOUTH'S POSITION
A-1	What statutes, regulations or other laws, rules and regulations govern BellSouth's obligation to provide unbundled network elements under this Agreement? (Section 1.1)	US LEC believes that BellSouth is obligated to provide access to unbundled network elements under Sections 251(c)(3) and 271(c)(2)(B)(ii) of the Act, Part 51 of the FCC's rules, or as required by the Authority pursuant to Section 252(e)(3), <i>i.e.</i> , Applicable Law, and may only restrict or limit access to unbundled network elements as prescribed by Applicable Law	The New Agreement is a Section 251 contract. As a result, the state commission, in arbitrating these disputes, is acting under its delegated authority under Section 251. Consequently, the New Agreement should not include any rights and obligations that arise from any independent state authority
A-3	What charges may BellSouth charge for the conversion of wholesale services to Network Elements or Network Elements to wholesale services)? (Sections 1.6, 1.7.2)	BellSouth may not charge a non-recurring charge for the conversion of wholesale services to the equivalent Network Element	Authority-ordered "switch-as-is" nonrecurring rates should apply to the conversion of wholesale services to unbundled network elements or combinations thereof. For conversions of unbundled network elements to wholesale services, US LEC should pay the applicable charges pursuant to the tariff or contract to which such network elements are being transitioned in addition to the applicable disconnect charges under the New Agreement

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A				
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect			SOMECE	SOMAN	SOMAN	SOMAN	SOMAN		
									First								Add'l	
The "Zone" shown in the sections for stand alone loops or loops as part of a combination refers to Geographically Deaveraged UNE Zones. To view Geographically Deaveraged UNE Zone Designations by Central Office, refer to Internet Website <a href="http://www.interconnection.bellsouth.com/become_a_clec/html/interconnection.htm">http://www.interconnection.bellsouth.com/become_a_clec/html/interconnection.htm</a>																		
OPERATIONAL SUPPORT SYSTEMS (OSS) - "REGIONAL RATES"																		
NOTE (1) CLEC should contact its contract negotiator if it prefers the "state specific" OSS charges as ordered by the State Commissions. The OSS charges currently contained in this rate exhibit are the BellSouth "regional" service ordering charges. CLEC may elect either the state specific Commission ordered rates for the service ordering charges or CLEC may elect the regional service ordering charge, however, CLEC can not obtain a mixture of the two regardless if CLEC has an interconnection contract established in each of the 9 states.																		
NOTE (2) Any element that can be ordered electronically will be billed according to the SOMECE rate listed in this category. Please refer to BellSouth's Local Ordering Handbook (LOH) to determine if a product can be ordered electronically. For those elements that cannot be ordered electronically at present per the LOH the listed SOMECE rate in this category reflects the charge that would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the manual ordering charge SOMAN, will be applied to a CLEC's bill when it submits an LSR to BellSouth.																		
NOTE (3) OSS Manual Service Order Charge, Per Element - UNE Only. Please see applicable rate element for SOMAN charge.																		
OSS - Electronic Service Order Charge, Per Local Service Request (LSR) - UNE Only																		
UNE SERVICE DATE ADVANCEMENT CHARGE																		
NOTE: The Expedite charge will be maintained commensurate with BellSouth's FCC No 1 Tariff, Section 5 as applicable.																		
					UAE UANL UCL UEF UDF UEO UDL UENTW UDN UEA UHL ULC USL U1T12 U1T48 U1T01 U1T03 U1TDX U1T03 U1TS1 U1TVX UC1BC UC1BL UC1CC UC1CL UC1DC UC1DL UC1EC UC1EL UC1FC UC1FL UC1GC UC1GL UC1HC UC1HL UDL12 UDL48 UDL03 UDL5X UE3 UDL12 UDL48 ULD01 ULD03 ULD0X ULD03 ULD01 ULDVX UNC1X UNC3X UNC0X UNC3X UNC3X UNC3X UNLD1 UNLD3 UXT01 UXT03 UXTS1 U1TUC U1TUD U1TUB U1TUA													
	UNE Expedite Charge per Circuit or Line Assignable USOC per Day				SDASP		200.00											
UNBUNDLED EXCHANGE ACCESS LOOP																		
2 WIRE ANALOG VOICE GRADE LOOP																		
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 1	1	UEANL	UEAL2		13.19	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 2	2	UEANL	UEAL2		17.23	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 3	3	UEANL	UEAL2		22.53	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 1	1	UEANL	UEASL		13.19	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 2	2	UEANL	UEASL		17.23	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	2 Wire Analog Voice Grade Loop Service Level 1 Zone 3	3	UEANL	UEASL		22.53	31.99	20.02	10.65	1.41		20.35	10.54	13.32	13.32			
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise		UEANL	URETL		8.33	0.63					20.35	10.54	13.32	13.32			
	Loop Testing - Basic 1st Half Hour		UEANL	URET1		78.92	78.92					20.35	10.54	13.32	13.32			
	Loop Testing - Basic Additional Half Hour		UEANL	URETA		23.33	23.33					20.35	10.54	13.32	13.32			
	CLEC to CLEC Conversion Charge Without Outside Dispatch (UVL SL1)		UEANL	UREWO		15.80	8.95					20.35	10.54	13.32	13.32			

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)	Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment: 2			Exhibit: A				
									Incremental Charge Manual Svc Order vs Electronic- 1st	Incremental Charge Manual Svc Order vs Electronic- Add'l	Incremental Charge - Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic Disc Add'l				
													OSS Rates (\$)			
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l	SOME C	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	Unbundled Voice Loop Non-Design Voice Loop billing for BST providing make-up (Engineering Information E 1)			UEANL	UEANM		28.80	28.80								
	Manual Order Coordination for UVL SL1s (per loop)			UEANL	UEAMC		36.52	36.52								
	Order Coordination for Specified Conversion Time for UVL SL1 (per LSR)			UEANL	OCOSL		34.29	34.29								
	<b>2 WIRE UNBUNDLED COPPER LOOP</b>															
	2 Wire Unbundled Copper Loop Non-Design Zone 1		1	UEQ	UEQ2X	13.19	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop Non-Design Zone 2		2	UEQ	UEQ2X	17.23	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop Non-Design Zone 3		3	UEQ	UEQ2X	22.53	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEQ	URETL		8.33	0.83					20.35	10.54	13.32	13.32
	Manual Order Coordination 2 Wire Unbundled Copper Loop Non-Design (per loop)			UEQ	USBMC		36.52	36.52								
	Unbundled Copper Loop Non-Design Copper Loop billing for BST providing make-up (Engineering Information E 1)			UEQ	UEOMU	28.80	28.80						20.35	10.54	13.32	13.32
	Loop Testing Basic 1st Half Hour			UEQ	URET1	76.82	76.82						20.35	10.54	13.32	13.32
	Loop Testing Basic Additional Half Hour			UEQ	URETA	23.33	23.33						20.35	10.54	13.32	13.32
	CLEC to CLEC Conversion Charge Without Outside Dispatch (UCL ND)			UEQ	UREWO	14.29	7.44						20.35	10.54	13.32	13.32
	<b>UNBUNDLED EXCHANGE ACCESS LOOP</b>															
	<b>2 WIRE ANALOG VOICE GRADE LOOP</b>															
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 1		1	UEPSR UEPSB	UEALS	13.19	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 1		1	UEPSR UEPSB	UEABS	13.19	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 2		2	UEPSR UEPSB	UEALS	17.23	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 2		2	UEPSR UEPSB	UEABS	17.23	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 3		3	UEPSR UEPSB	UEALS	22.53	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop-Service Level 1 Line Splitting Zone 3		3	UEPSR UEPSB	UEABS	22.53	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	<b>UNBUNDLED EXCHANGE ACCESS LOOP</b>															
	<b>2 WIRE ANALOG VOICE GRADE LOOP</b>															
	2 Wire Analog Voice Grade Loop Service Level 2 w/Loop or Ground Start Signaling Zone 1		1	UEA	UEAL2	16.56	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop Service Level 2 w/Loop or Ground Start Signaling Zone 2		2	UEA	UEAL2	21.63	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop Service Level 2 w/Loop or Ground Start Signaling Zone 3		3	UEA	UEAL2	28.28	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	Order Coordination for Specified Conversion Time (per LSR)			UEA	OCOSL		34.29						20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop Service Level 2 w/Reverse Battery Signaling Zone 1		1	UEA	UEAR2	16.56	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop Service Level 2 w/Reverse Battery Signaling Zone 2		2	UEA	UEAR2	21.63	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Loop Service Level 2 w/Reverse Battery Signaling Zone 3		3	UEA	UEAR2	28.28	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	Order Coordination for Specified Conversion Time (per LSR)			UEA	OCOSL		34.29						20.35	10.54	13.32	13.32
	CLEC to CLEC Conversion Charge without outside dispatch			UEA	UREWO		75.06	36.41					20.35	10.54	13.32	13.32
	Loop Tagging Service Level 2 (SL2)			UEA	URETL		11.23	1.10					20.35	10.54	13.32	13.32
	<b>4-WIRE ANALOG VOICE GRADE LOOP</b>															
	4 Wire Analog Voice Grade Loop Zone 1		1	UEA	UEAL4	24.70	122.76	85.57	76.35	39.16			20.35	10.54	13.32	13.32
	4 Wire Analog Voice Grade Loop Zone 2		2	UEA	UEAL4	32.25	122.76	85.57	76.35	39.16			20.35	10.54	13.32	13.32
	4 Wire Analog Voice Grade Loop Zone 3		3	UEA	UEAL4	42.17	122.76	85.57	76.35	39.16			20.35	10.54	13.32	13.32
	Order Coordination for Specified Conversion Time (per LSR)			UEA	OCOSL		34.29						20.35	10.54	13.32	13.32
	CLEC to CLEC Conversion Charge without outside dispatch			UEA	UREWO		75.06	36.41					20.35	10.54	13.32	13.32
	<b>2 WIRE ISDN DIGITAL GRADE LOOP</b>															
	2 Wire ISDN Digital Grade Loop Zone 1		1	UDN	U1L2X	22.22	142.76	88.88	76.35	39.16			20.35	10.54	13.32	13.32
	2 Wire ISDN Digital Grade Loop Zone 2		2	UDN	U1L2X	29.02	142.76	88.88	76.35	39.16			20.35	10.54	13.32	13.32

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

## UNBUNDLED NETWORK ELEMENTS - Tennessee

CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMEc	SOMAN	Incremental Charge - Manual Svc Order vs Electronic 1st	Incremental Charge - Manual Svc Order vs Electronic Disc 1st
	2 Wire ISDN Digital Grade Loop - Zone 3		3	UDN	U1L2X	37 95	142 76	88 88	76 35	39 18						
	Order Coordination For Specified Conversion Time (per LSR)			UDN	OCOSL		34 29									
	CLEC to CLEC Conversion Charge without outside dispatch			UDN	UREWO		91 77	44 22							20 35	10 54
	2 WIRE ASYMMETRICAL DIGITAL SUBSCRIBER LINE (ADSL) COMPATIBLE LOOP															
	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1		1	UAL	UAL2X	13 82	270 01	234 63	74 54	39 14					20 35	10 54
	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2		2	UAL	UAL2X	18 05	270 01	234 63	74 54	39 14					20 35	10 54
	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3		3	UAL	UAL2X	23 60	270 01	234 63	74 54	39 14					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UAL	OCOSL		34 29									
	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservation - Zone 1		1	UAL	UAL2W	13 82	31 99	20 02	10 65	1 41					20 35	10 54
	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservation - Zone 2		2	UAL	UAL2W	18 05	31 99	20 02	10 65	1 41					20 35	10 54
	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservation - Zone 3		3	UAL	UAL2W	23 60	31 99	20 02	10 65	1 41					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UAL	OCOSL		34 29									
	CLEC to CLEC Conversion Charge without outside dispatch			UAL	UREWO		31 99	20 02							20 35	10 54
	2 WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP															
	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1		1	UHL	UHL2X	10 83	270 01	234 63	74 54	39 14					20 35	10 54
	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2		2	UHL	UHL2X	14 15	270 01	234 63	74 54	39 14					20 35	10 54
	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3		3	UHL	UHL2X	18 50	270 01	234 63	74 54	39 14					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UHL	OCOSL		34 29									
	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1		1	UHL	UHL2W	10 83	31 99	20 02	10 65	1 41					20 35	10 54
	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2		2	UHL	UHL2W	14 15	31 99	20 02	10 65	1 41					20 35	10 54
	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3		3	UHL	UHL2W	18 50	31 99	20 02	10 65	1 41					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UHL	OCOSL		34 29									
	CLEC to CLEC Conversion Charge without outside dispatch			UHL	UREWO		31 99	20 02							20 35	10 54
	4-WIRE HIGH BIT RATE DIGITAL SUBSCRIBER LINE (HDSL) COMPATIBLE LOOP															
	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1		1	UHL	UHL4X	13 93	279 60	244 22	74 54	39 14					20 35	10 54
	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2		2	UHL	UHL4X	18 20	279 60	244 22	74 54	39 14					20 35	10 54
	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3		3	UHL	UHL4X	23 80	279 60	244 22	74 54	39 14					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UHL	OCOSL		34 29									
	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1		1	UHL	UHL4W	13 93	31 99	20 02	10 65	1 41					20 35	10 54
	4 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2		2	UHL	UHL4W	18 20	31 99	20 02	10 65	1 41					20 35	10 54
	4 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3		3	UHL	UHL4W	23 80	31 99	20 02	10 65	1 41					20 35	10 54
	Order Coordination for Specified Conversion Time (per LSR)			UHL	OCOSL		34 29									
	CLEC to CLEC Conversion Charge without outside dispatch			UHL	UREWO		31 99	20 02							20 35	10 54
	4-WIRE DS1 DIGITAL LOOP															
	4 Wire DS1 Digital Loop - Zone 1		1	USL	USLXX	57 73	313 08	219 72	96 86	40 45					18 98	8 43
	4 Wire DS1 Digital Loop - Zone 2		2	USL	USLXX	75 40	313 08	219 72	96 86	40 45					18 98	8 43
	4 Wire DS1 Digital Loop - Zone 3		3	USL	USLXX	98 59	313 08	219 72	96 86	40 45					18 98	8 43
	Order Coordination for Specified Conversion Time (per LSR)			USL	OCOSL		34 59									
	CLEC to CLEC Conversion Charge without outside dispatch			USL	UREWO		130 47	40 11							20 35	10 54
	4-WIRE 19.2, 56 OR 64 KBPS DIGITAL GRADE LOOP															
	4 Wire Unbundled Digital 19.2 Kbps		1	UDL	UDL19	31 10	207 01	141 38	90 70	44 18					20 35	10 54
	4 Wire Unbundled Digital 19.2 Kbps		2	UDL	UDL19	49 61	207 01	141 38	90 70	44 18					20 35	10 54

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A			
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect				SOMECH	SOMAN	Incremental Charge - Manual Svc Order vs. Electronic 1st	Incremental Charge Manual Svc Order vs. Electronic Disc 1st	Incremental Charge Manual Svc Order vs. Electronic Disc 1st	
									First	Add'l								SOMAN
													OSS Rates (\$)					
	4 Wire Unbundled Digital 19.2 Kbps Zone 1		3	UDL	UDL19	53.11	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	4 Wire Unbundled Digital Loop 56 Kbps Zone 1		1	UDL	UDL56	31.10	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	4 Wire Unbundled Digital Loop 56 Kbps Zone 2		2	UDL	UDL56	40.61	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	4 Wire Unbundled Digital Loop 56 Kbps Zone 3		3	UDL	UDL56	53.11	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	Order Coordination for Specified Conversion Time (per LSR)				UDL		34.29											
	4 Wire Unbundled Digital Loop 64 Kbps Zone 1		1	UDL	UDL64	31.10	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	4 Wire Unbundled Digital Loop 64 Kbps Zone 2		2	UDL	UDL64	40.61	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	4 Wire Unbundled Digital Loop 64 Kbps Zone 3		3	UDL	UDL64	53.11	207.01	141.38	90.70	44.18					20.35	10.54	13.32	13.32
	Order Coordination for Specified Conversion Time (per LSR)				UDL		34.29											
	CLEC to CLEC Conversion Charge without outside dispatch				UDL		102.28	49.82							20.35	10.54	13.32	13.32
	2 WIRE UNBUNDLED COPPER LOOP																	
	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation Zone 1		1	UCL	UCLPB	13.19	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation Zone 2		2	UCL	UCLPB	17.23	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation Zone 3		3	UCL	UCLPB	22.53	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	Order Coordination for Unbundled Copper Loops (per loop)				UCL		36.52	36.52										
	2 Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation Zone 1		1	UCL	UCLPW	13.19	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation Zone 2		2	UCL	UCLPW	17.23	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	2 Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation Zone 3		3	UCL	UCLPW	22.53	31.99	20.02	10.65	1.41					20.35	10.54	13.32	13.32
	Order Coordination for Unbundled Copper Loops (per loop)				UCL		36.52	36.52										
	CLEC to CLEC Conversion Charge without outside dispatch (UCL-Des)		1	UCL	UREWO		31.99	20.02							20.35	10.54	13.32	13.32
	4-WIRE COPPER LOOP																	
	4 Wire Copper Loop-Designed including manual service inquiry and facility reservation Zone 1		1	UCL	UCL4S	24.70	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation Zone 2		2	UCL	UCL4S	32.25	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	4 Wire Copper Loop-Designed including manual service inquiry and facility reservation Zone 3		3	UCL	UCL4S	42.17	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	Order Coordination for Unbundled Copper Loops (per loop)				UCL		36.52	36.52										
	4 Wire Copper Loop-Designed without manual service inquiry and facility reservation Zone 1		1	UCL	UCL4W	24.70	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	4 Wire Copper Loop-Designed without manual service inquiry and facility reservation Zone 2		2	UCL	UCL4W	32.25	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	4 Wire Copper Loop-Designed without manual service inquiry and facility reservation Zone 3		3	UCL	UCL4W	42.17	122.76	85.57	76.35	39.16					20.35	10.54	13.32	13.32
	Order Coordination for Unbundled Copper Loops (per loop)				UCL		36.52	36.52										
	CLEC to CLEC Conversion Charge without outside dispatch (UCL-Des)		1	UCL	UREWO		31.99	20.02							20.35	10.54	13.32	13.32
	LOOP MODIFICATION																	
	Unbundled Loop Modification Removal of Load Coils 2 Wire pair less than or equal to 18k ft. per Unbundled Loop				UCL UCL UCL UEQ ULS UEA UEANL UEPSR UEPSB										20.35	10.54	13.32	13.32
	Unbundled Loop Modification Removal of Load Coils 4 Wire less than or equal to 18K ft. per Unbundled Loop				UCL UCL UCL UEQ ULS UEA UEANL UEPSR UEPSB										20.35	10.54	13.32	13.32
	Unbundled Loop Modification Removal of Bridged Tap Removal per unbundled loop				UCL UCL UCL UEQ ULS UEA UEANL UEPSR UEPSB										20.35	10.54	13.32	13.32
	SUB-LOOPS																	
	Sub-Loop Distribution																	
	Sub Loop Per Cross Box Location - CLEC Feeder Facility Set Up				UEANL USBSA		517.25	517.25							20.35	10.54	13.32	13.32

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A		
						Rec	Nonrecurring		Nonrecurring Disconnect	SOME C			SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
							First	Add'l									
	Sub-Loop Per Cross Box Location - Per 25 Pair Panel Set Up	I		UEANL	USBSB		42 68	42 68					20 35	10 54	13 32	13 32	
	Sub-Loop Per Building Equipment Room - CLEC Feeder Facility Set Up	I		UEANL	USBSC		313 01	313 01					20 35	10 54	13 32	13 32	
	Sub-Loop Per Building Equipment Room - Per 25 Pair Panel Set Up	I		UEANL	USBSD		108 06	108 06					20 35	10 54	13 32	13 32	
	Sub-Loop Distribution Per 2 Wire Analog Voice Grade Loop Statewide		sw	UEANL	USBN2	10 02	148 84	112 34	73 14	36 65			20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEANL	USBMC		34 29	34 29									
	Sub-Loop Distribution Per 4 Wire Analog Voice Grade Loop Zone 1		1	UEANL	USBN4	7 30	147 93	75 11	99 96	16 98			20 35	10 54	13 32	13 32	
	Sub-Loop Distribution Per 4 Wire Analog Voice Grade Loop Zone 2		2	UEANL	USBN4	9 54	147 93	75 11	99 96	16 98			20 35	10 54	13 32	13 32	
	Sub-Loop Distribution Per 4 Wire Analog Voice Grade Loop Zone 3		3	UEANL	USBN4	12 47	147 93	75 11	99 96	16 98			20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEANL	USBMC		34 29	34 29									
	Sub-Loop 2 Wire IntraBuilding Network Cable (INC)	I		UEANL	USBR2	1 35	94 56	29 35					20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEANL	USBMC		34 29	34 29									
	Sub-Loop 4 Wire IntraBuilding Network Cable (INC)	I		UEANL	USBR4	2 26	116 14	37 10					20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEANL	USBMC		34 29	34 29									
	Loop Testing - Basic 1st Half Hour			UEANL	URET1		78 92	78 92									
	Loop Testing - Basic Additional Half Hour			UEANL	URETA		23 33	23 33									
	2 Wire Copper Unbundled Sub-Loop Distribution Zone 1	I	1	UEF	UCS2X	5 16	110 71	37 89	94 41	13 09			20 35	10 54	13 32	13 32	
	2 Wire Copper Unbundled Sub-Loop Distribution Zone 2	I	2	UEF	UCS2X	6 74	110 71	37 89	94 41	13 09			20 35	10 54	13 32	13 32	
	2 Wire Copper Unbundled Sub-Loop Distribution Zone 3	I	3	UEF	UCS2X	8 81	110 71	37 89	94 41	13 09			20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEF	USBMC		34 29	34 29									
	4 Wire Copper Unbundled Sub-Loop Distribution Zone 1	I	1	UEF	UCS4X	6 52	117 12	44 30	99 96	16 98			20 35	10 54	13 32	13 32	
	4 Wire Copper Unbundled Sub-Loop Distribution Zone 2	I	2	UEF	UCS4X	8 52	117 12	44 30	99 96	16 98			20 35	10 54	13 32	13 32	
	4 Wire Copper Unbundled Sub-Loop Distribution Zone 3	I	3	UEF	UCS4X	11 14	117 12	44 30	99 96	16 98			20 35	10 54	13 32	13 32	
	Order Coordination for Unbundled Sub-Loops per sub-loop pair			UEF	USBMC		34 29	34 29									
	Loop Testing - Basic 1st Half Hour			UEF	URET1		78 92	78 92									
	Loop Testing - Basic Additional Half Hour			UEF	URETA		23 33	23 33									
	Unbundled Network Terminating Wire (UNTW)																
	Unbundled Network Terminating Wire (UNTW) per Pair	I		UENTW	UENPP	0 4555	2 48	2 48					20 35	10 54	13 32	13 32	
	Network Interface Device (NID)																
	Network Interface Device (NID) 1-2 Lines			UENTW	UND12	89 69	54 56	0 6391	0 6391				20 35	10 54	13 32	13 32	
	Network Interface Device (NID) 1-6 Lines			UENTW	UND16	129 65	94 51	0 6522	0 6522				20 35	10 54	13 32	13 32	
	Network Interface Device Cross Connect 2W			UENTW	UNDC2	11 11	11 11						20 35	10 54	13 32	13 32	
	Network Interface Device Cross Connect 4W			UENTW	UNDC4	11 11	11 11						20 35	10 54	13 32	13 32	
UNE OTHER, PROVISIONING ONLY NO RATE																	
	NID Dispatch and Service Order for NID installation			UENTW	UNDBX	0 00	0 00										
	UNTW Circuit Id Establishment Provisioning Only No Rate			UENTW	UENCE	0 00	0 00										
	Unbundled Contract Name Provisioning Only No Rate			UEANL UEF UEQ U ENTW	UNEEN	0 00	0 00										
UNE OTHER, PROVISIONING ONLY NO RATE																	
	Unbundled Contract Name Provisioning Only no rate			UAL UCL UDC UDL UDN UEA UHL ULC	UNEEN	0 00	0 00										
	Unbundled Sub-Loop Feeder 2 Wire Cross Box Jumper no rate			UEA UDN UCL UDC	USBFQ	0 00	0 00										
	Unbundled Sub-Loop Feeder 4 Wire Cross Box Jumper no rate			UEA USL UCL UDL	USBFR	0 00	0 00										
	Unbundled DS1 Loop - Superframe Format Option no rate			USL	CCOSF	0 00	0 00										

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge - Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge - Manual Svc Order vs Electronic Add'l
	Unbundled DS1 Loop Expanded Superframe Format option no rate			USL	CCOEF	0.00	0.00									
HIGH CAPACITY UNBUNDLED LOCAL LOOP																
	High Capacity Unbundled Local Loop DS3 Per Mile per month			UE3	1LSND	9.19										
	High Capacity Unbundled Local Loop DS3 Facility Termination per month			UE3	UE3PX	374.24	595.37	304.50	234.83	170.16			36.84	36.84		
	High Capacity Unbundled Local Loop STS 1 Per Mile per month			UDLSX	1LSND	9.19										
	High Capacity Unbundled Local Loop STS 1 Facility Termination per month			UDLSX	UDLS1	389.35	595.37	304.50	215.82	151.15			36.84	36.84		
Note (1) Rates provided in TN for both electronic and manual Loop Makeup are interim and subject to retro-active true-up adjustments pending a permanent rate ruling on these rate elements from the Tennessee Regulatory Authority																
LOOP MAKE UP																
	Loop Makeup Preordering Without Reservation per working or spare facility queried (Manual)	R			UMKLW		0.76	0.76					19.99	19.99	19.99	19.99
	Loop Makeup Preordering With Reservation per spare facility queried (Manual)	R			UMKLP		0.76	0.76					19.99	19.99	19.99	19.99
	Loop Makeup-With or Without Reservation per working or spare facility queried (Mechanized)	R			UMKMQ		0.76	0.76								
LINE SHARING AND LINE SPLITTING																
NOTE 1 The Line Sharing monthly recurring rates for all installations completed from October 02 2003 through midnight October 01 2004 shall be billed as follows																
NOTE 1 10/02/2003 - 10/01/2004 25% of the rate for an unbundled copper loop non designed ("UCLND")																
NOTE 1 10/02/2004 - 10/01/2005 50% of the rate for UCLND																
NOTE 1 10/02/2005 - 10/01/2006 75% of the rate for UCLND																
NOTE 1 Above will apply to USOCs ULSDT and ULSC																
NOTE 2 The Line Sharing monthly recurring rates with USOCs ULSDC and ULSCC applies only to circuits installed and in service on or before October 1 2003																
LINE SHARING																
SPLITTERS CENTRAL OFFICE BASED																
	Line Sharing Splitter per System 96 Line Capacity			ULS	ULSDA	100.00	150.00	0.00	0.00	0.00			20.35	10.54	13.32	13.32
	Line Sharing Splitter per System 24 Line Capacity			ULS	ULSDB	25.00	150.00	0.00	0.00	0.00			20.35	10.54	13.32	13.32
	Line Sharing DLEC Owned Splitter in CO CFA activation deactivation (per LSOD)			ULS	ULSDG		163.06	0.00	92.71	0.00			20.35	10.54	13.32	13.32
END USER ORDERING CENTRAL OFFICE BASED LINE SHARING																
	Line Sharing per Line Activation (BST Owned Splitter) OBSOLETE see NOTE 2			ULS	ULSDC	0.61	40.00	31.39	0.00	0.00			20.35	10.54	13.32	13.32
	Line Share Service TRO per line activation BST owned splitter Central Office Located (25% of UCLND) please see NOTE 1 (E 10/2/2003)			ULS	ULSDT	2.94	40.00	31.39	0.00	0.00						
	Line Share Service TRO per line activation BST owned splitter Central Office Located (50% of UCLND) please see NOTE 1 (E 10/2/2004)			ULS	ULSDT	5.87	40.00	31.39	0.00	0.00						
	Line Share Service TRO per line activation BST owned splitter Central Office Located (75% of UCLND) please see NOTE 1 (E 10/2/2005)			ULS	ULSDT	8.81	40.00	31.39	0.00	0.00						
	Line Sharing per Subsequent Activity per Line Rearrangement (BST Owned Splitter)			ULS	ULSDS		30.00	15.00					20.35	10.54	13.32	13.32
	Line Sharing per Subsequent Activity per Line Rearrangement (DLEC Owned Splitter)			ULS	ULSCS		30.00	15.00					20.35	10.54	13.32	13.32
	Line Sharing per Line Activation (DLEC owned Splitter) OBSOLETE see NOTE 2			ULS	ULSCC	0.61	47.44	19.31	0.00	0.00			20.35	10.54	13.32	13.32
	Line Share Service TRO per line activation CLEC owned splitter Central Office Located (25% of UCLND) please see NOTE 1 (E 10/2/2003)			ULS	ULSCT	2.94	47.44	19.31	0.00	0.00						
	Line Share Service TRO per line activation CLEC owned splitter Central Office Located (50% of UCLND) please see NOTE 1 (E 10/2/2004)			ULS	ULSCT	5.87	47.44	19.31	0.00	0.00						
	Line Share Service TRO per line activation CLEC owned splitter Central Office Located (75% of UCLND) please see NOTE 1 (E 10/2/2005)			ULS	ULSCT	8.81	47.44	19.31	0.00	0.00						
LINE SPLITTING																

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																	
CATEGORY		RATE ELEMENTS		Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge Manual Svc Order vs Electronic 1st	Exhibit: A Incremental Charge Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic Disc Add'l
								Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l	SOME C	SOMAN	OSS Rates (\$)		
															SOMAN	SOMAN	
END USER ORDERING-CENTRAL OFFICE BASED																	
		Line Splitting per line activation DLEC owned splitter				UEPSR UEPSB	UREOS	0.61									
		Line Splitting per line activation BST owned physical				UEPSR UEPSB	UREBP	0.61	48.96	21.39	35.06	10.79			20.35	10.54 13.32 13.32	
		Line Splitting per line activation BST owned virtual				UEPSR UEPSB	UREBV	0.61	48.96	21.39	35.06	10.79			20.35	10.54 13.32 13.32	
MAINTENANCE																	
		No Trouble Found per 1/2 hour increments Basic							80.00	55.00							
		No Trouble Found per 1/2 hour increments Overtime							120.00	82.50							
		No Trouble Found per 1/2 hour increments Premium							160.00	110.00							
UNBUNDLED DEDICATED TRANSPORT																	
INTEROFFICE CHANNEL DEDICATED TRANSPORT																	
		Interoffice Channel Dedicated Transport 2 Wire Voice Grade Per Mile per month				U1TVX	1L5XX	0.0054									
		Interoffice Channel Dedicated Transport 2 Wire Voice Grade Facility Termination				U1TVX	U1TV2	18.58	55.39	17.37	27.96	3.51			20.35	21.09	
		Interoffice Channel Dedicated Transport 2 Wire Voice Grade Rev Bat Per Mile per month				U1TVX	1L5XX	0.0054									
		Interoffice Channel Dedicated Transport 2 Wire VG Rev Bat Facility Termination				U1TVX	U1TR2	18.58	55.39	17.37	27.96	3.51			20.35	21.09	
		Interoffice Channel Dedicated Transport 4 Wire Voice Grade Per Mile per month				U1TVX	1L5XX	0.0054									
		Interoffice Channel Dedicated Transport 4 Wire Voice Grade Facility Termination				U1TVX	U1TV4	24.09	37.87	26.02	30.78	13.07			15.08	15.08	
		Interoffice Channel Dedicated Transport 56 kbps per mile per month				U1TDX	1L5XX	0.0174									
		Interoffice Channel Dedicated Transport 56 kbps - Facility Termination				U1TDX	U1TD5	17.98	55.39	17.37	27.96	3.51			20.35	21.09	
		Interoffice Channel Dedicated Transport - 64 kbps per mile per month				U1TDX	1L5XX	0.0174									
		Interoffice Channel Dedicated Transport 64 kbps Facility Termination				U1TDX	U1TD6	17.98	55.39	17.37	27.96	3.51			20.35	21.09	
		Interoffice Channel Dedicated Channel DS1 Per Mile per month				U1TD1	1L5XX	0.3562									
		Interoffice Channel Dedicated Transport DS1 Facility Termination				U1TD1	U1TF1	77.86	112.40	76.27	19.55	14.99			20.35	21.09	
		Interoffice Channel Dedicated Transport DS3 Per Mile per month				U1TD3	1L5XX	2.34									
		Interoffice Channel Dedicated Transport DS3 Facility Termination per month				U1TD3	U1TF3	848.99	395.29	176.56	109.04	105.91			36.84	36.84	
		Interoffice Channel Dedicated Transport STS 1 Per Mile per month				U1TS1	1L5XX	2.34									
		Interoffice Channel Dedicated Transport STS 1 Facility Termination				U1TS1	U1TFS	849.30	395.29	176.56	109.04	105.91			36.84	36.84	
DARK FIBER																	
		Dark Fiber Four Fiber Strands Per Route Mile or Fraction Thereof per month Interoffice Channel				UDF UDFCX	1L5DF	28.74									
		NRC Dark Fiber Interoffice Channel				UDF UDFCX	UDF14		1 121.00	153.19	580.26	357.17			20.35	10.54 13.32 13.32	
		Dark Fiber Four Fiber Strands Per Route Mile or Fraction Thereof per month Local Loop				UDF UDFCX	1L5DL	58.83									
		NRC Dark Fiber Local Loop				UDF UDFCX	UDFL4		1 121.00	153.19	580.26	357.17			20.35	10.54 13.32 13.32	
8XX ACCESS TEN DIGIT SCREENING																	
		8XX Access Ten Digit Screening Per Call				OHD		0.0005192									
		8XX Access Ten Digit Screening Reservation Charge Per 8XX Number Reserved				OHD	N8R1X		5.21	0.76					20.35	20.35 13.28 13.28	
		8XX Access Ten Digit Screening Per 8XX No Established W/O POTS Translations				OHD			11.47	1.46	7.34	0.7802			20.35	20.35 13.28 13.28	
		8XX Access Ten Digit Screening Per 8XX No Established With POTS Translations				OHD	N8FTX		11.47	1.46	7.34	0.7802			20.35	20.35 13.28 13.28	
		8XX Access Ten Digit Screening Customized Area of Service Per 8XX Number				OHD	N8FCX		4.47	2.24					20.35	20.35 13.28 13.28	



## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee										Attachment: 2		Exhibit: A						
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge - Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs Electronic Add'l	Incremental Charge - Manual Svc Order vs Electronic Disc 1st	Incremental Charge - Manual Svc Order vs Electronic Disc Add'l		
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l							SOMEK	SOMAN
													OSS Rates (\$)					
	8XX Access Ten Digit Screening Multiple Inter/LATA CXR Routing Per CXR Requested Per 8XX No			OHD	N8FMX	5.23	3.00						20.35	20.35	13.28	13.28		
	8XX Access Ten Digit Screening Change Charge Per Request			OHD	N8FAX	5.97	0.76						20.35	20.35	13.28	13.28		
	8XX Access Ten Digit Screening Call Handling and Destination Features			OHD	N8FDX	4.47							20.35	20.35	13.28	13.28		
LINE INFORMATION DATA BASE ACCESS (LIDB)																		
	LIDB Common Transport Per Query			OQT		0.0000354												
	LIDB Validation Per Query			OQT		0.0117403												
	LIDB Originating Point Code Establishment or Change			OQT OQU	NRBPX	49.03							20.35	20.35	13.28	13.28		
SIGNALING (CCS7)																		
	CCS7 Signaling Termination Per STP Port			UDB	PT8SX	138.41												
	CCS7 Signaling Usage Per TCAP Message			UDB		0.0000916												
	CCS7 Signaling Connection Per link (A link)			UDB	TPP++	17.84	130.84	130.84					20.35	20.35	13.32	13.32		
	CCS7 Signaling Connection Per link (B link) (also known as D link)			UDB	TPP++	17.84	130.84	130.84					20.35	20.35	13.32	13.32		
	CCS7 Signaling Usage Per ISUP Message			UDB		0.0000373												
	CCS7 Signaling Usage Surrogate per link per LATA			UDB	STU56	352.30												
	Signaling Point Code per Originating Point Code Establishment or Change per STP			UDB	CCAPO	121.77	121.77						20.35	20.35	13.32	13.32		
CALLING NAME (CNAM) SERVICE																		
	CNAM For DB Owners Service Establishment			OQV		43.27												
	CNAM For Non DB Owners Service Establishment			OQV		43.27												
	CNAM For DB Owners Service Provisioning With Point Code Establishment			OQV		1,858.00	1,382.00											
	CNAM For Non DB Owners Service Provisioning With Point Code Establishment			OQV		645.50	432.23											
	CNAM for DB Owners Per Query			OQV		0.0010541												
	CNAM for Non DB Owners Per Query			OQV		0.0010541												
	CNAM (Non Database Owner) NRC applies when using the Character Based User Interface (CHUI)			OQV	CDDCH								20.35	20.35	13.28	13.28		
SELECTIVE ROUTING																		
	Selective Routing Per Unique Line Class Code Per Request Per Switch					179.60	179.60						20.35	20.35				
VIRTUAL COLLOCATION																		
	Virtual Collocation 2 Wire Cross Connects (Loop) for Line Splitting			UEPSR UEPSB	VE1LS	0.57	11.62	9.90	10.36	8.66			19.99	19.99	19.99	19.99		
PHYSICAL COLLOCATION																		
	Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting			UEPSR UEPSB	PE1LS	0.7905	11.62	9.90	10.36	8.66			19.99	19.99	19.99	19.99		
AIN SELECTIVE CARRIER ROUTING																		
	Regional Service Establishment			SRC	SRCEC	190,638.00							20.35					
	End Office Establishment			SRC	SRCEO	317.55	317.55	3.19	3.19				20.35	20.35	13.28	13.28		
	Query NRC per query			SRC		0.0206047												
AIN BELLSOUTH AIN SMS ACCESS SERVICE																		
	AIN SMS Access Service Service Establishment Per State Initial Setup			A1N	CAMSE	135.56	135.56						20.35	20.35	13.28	13.28		
	AIN SMS Access Service Port Connection - Dial/Shared Access			A1N	CAMDP	41.75	41.75						20.35	20.35	13.28	13.28		
	AIN SMS Access Service Port Connection ISDN Access			A1N	CAM1P	41.75	41.75						20.35	20.35	13.28	13.28		
	AIN SMS Access Service User Identification Codes Per User ID Code			A1N	CAMAU	96.63	96.63						20.35	20.35	13.28	13.28		
	AIN SMS Access Service Security Card Per User ID Code Initial or Replacement			A1N	CAMRC	113.67	113.67						20.35	20.35	13.28	13.28		
	AIN SMS Access Service Storage Per Unit (100 Kilobytes)					0.0024												
	AIN SMS Access Service Session Per Minute					0.0820123												
	AIN SMS Access Service Company Performed Session Per Minute					2.27												
AIN BELLSOUTH AIN TOOLKIT SERVICE																		
	AIN Toolkit Service Service Establishment Charge Per State Initial Setup			CAM	BAPSC	132.04	132.04						20.35	20.35	13.28	13.28		

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A				
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First			Add'l	SOMEK	SOMAN	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-1st
	AIN Toolkit Service Training Session Per Customer				BAPVX		7,915.00	7,915.00					SOMEK	SOMAN	20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN Term Attempt				BAPTT		31.21	31.21							20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN Off Hook Delay				BAPTD		31.21	31.21							20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN Off Hook Immediate				BAPTIM		31.21	31.21							20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN 10 Digit PDDP				BAPTO		85.24	85.24							20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN CDP				BAPTC		85.24	85.24							20.35	20.35	13.28	13.28
	AIN Toolkit Service Trigger Access Charge Per Trigger Per DN Feature Code				BAPTF		85.24	85.24							20.35	20.35	13.28	13.28
	AIN Toolkit Service Query Charge Per Query					0.0211882												
	AIN Toolkit Service Type 1 Node Charge Per AIN Toolkit Subscription Per Node Per Query					0.0054774												
	AIN Toolkit Service SCP Storage Charge Per SMS Access Account Per 100 Kilobytes					1.50												
	AIN Toolkit Service Monthly report Per AIN Toolkit Service Subscription			CAM	BAPMS	17.43	33.52	33.52							20.35	20.35	13.28	13.28
	AIN Toolkit Service Special Study Per AIN Toolkit Service Subscription			CAM	BAPLS	0.1321116	36.23	36.23							20.35	20.35	13.28	13.28
	AIN Toolkit Service Call Event Report Per AIN Toolkit Service Subscription			CAM	BAPDS	17.35	33.52	33.52							20.35	20.35	13.28	13.28
	AIN Toolkit Service Call Event Special Study Per AIN Toolkit Service Subscription			CAM	BAPES	0.0511435	36.23	36.23							20.35	20.35	13.28	13.28
ENHANCED EXTENDED LINK (EELs)																		
NOTE The monthly recurring and non-recurring charges below will apply and the Switch As-Is Charge will not apply for UNE combinations provisioned as Ordinarily Combined Network Elements																		
NOTE The monthly recurring and the Switch As-Is Charge and not the non-recurring charges below will apply for UNE combinations provisioned as Currently Combined Network Elements																		
EXTENDED 2 WIRE VOICE GRADE EXTENDED LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT																		
	First 2 Wire VG Loop (SL2) in Combination Zone 1		1	UNCVX	UEAL2	16.56	108.76	35.47	72.94	10.86					20.35	21.09		
	First 2 Wire VG Loop (SL2) in Combination Zone 2		2	UNCVX	UEAL2	21.63	108.76	35.47	72.94	10.86					20.35	21.09		
	First 2 Wire VG Loop (SL2) in Combination Zone 3		3	UNCVX	UEAL2	28.28	108.76	35.47	72.94	10.86					20.35	21.09		
	Interoffice Transport Dedicated DS1 combination Per Mile per month			UNC1X	1L5XX	0.3562												
	Interoffice Transport Dedicated DS1 combination Facility Termination per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09		
	110 Channelization System in combination Per Month			UNC1X	MQ1	80.77	105.76	14.48	3.04	2.74								
	Voice Grade COCI Per Month			UNCVX	1D1VG	0.91	5.70	4.42										
	Each Additional 2 Wire VG Loop (SL2) in Combination Zone 1		1	UNCVX	UEAL2	16.56	108.76	35.47	72.94	10.86					20.35	21.09		
	Each Additional 2 Wire VG Loop (SL2) in Combination Zone 2		2	UNCVX	UEAL2	21.63	108.76	35.47	72.94	10.86					20.35	21.09		
	Each Additional 2 Wire VG Loop (SL2) in Combination Zone 3		3	UNCVX	UEAL2	28.28	108.76	35.47	72.94	10.86					20.35	21.09		
	Voice Grade COCI Per Month			UNCVX	1D1VG	0.91	5.70	4.42										
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12					20.35	21.09		
EXTENDED 4-WIRE VOICE GRADE EXTENDED LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT																		
	First 4 Wire Analog Voice Grade Loop in Combination Zone 1		1	UNCVX	UEAL4	24.70	108.76	35.47	72.94	10.86					20.35	21.09		
	First 4 Wire Analog Voice Grade Loop in Combination Zone 2		2	UNCVX	UEAL4	32.26	108.76	35.47	72.94	10.86					20.35	21.09		
	First 4 Wire Analog Voice Grade Loop in Combination Zone 3		3	UNCVX	UEAL4	42.18	108.76	35.47	72.94	10.86					20.35	21.09		
	Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0.3562												
	Interoffice Transport Dedicated DS1 Facility Termination Per Month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09		
	110 Channel System in combination Per Month			UNC1X	MQ1	80.77	105.76	14.48	3.04	2.74								

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																Attachment 2		Exhibit A	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic Add'l			
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)						
											SOMEK	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN			
	Voice Grade COCI in combination per month			UNCVX	ID1VG	0.91	5.70	4.42											
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interoffice Transport Combination Zone 1	1		UNCVX	UEAL4	24.70	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interoffice Transport Combination Zone 2	2		UNCVX	UEAL4	32.26	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interoffice Transport Combination Zone 3	3		UNCVX	UEAL4	42.18	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional Voice Grade COCI in combination per month			UNCVX	ID1VG	0.91	5.70	4.42											
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09					
EXTENDED 4-WIRE 56 KBPS EXTENDED DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT																			
	First 4 Wire 56Kbps Digital Grade Loop in Combination Zone 1	1		UNCDX	UDL56	31.10	108.76	35.47	72.94	10.86			20.35	21.09					
	First 4 Wire 56Kbps Digital Grade Loop in Combination Zone 2	2		UNCDX	UDL56	40.61	108.76	35.47	72.94	10.86			20.35	21.09					
	First 4 Wire 56Kbps Digital Grade Loop in Combination Zone 3	3		UNCDX	UDL56	53.11	108.76	35.47	72.94	10.86			20.35	21.09					
	Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0.3562													
	Interoffice Transport Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09					
	1/0 Channel System in combination Per Month			UNC1X	MQ1	80.77	105.76	14.48	3.04	2.74									
	OCU DP COCI (data) in combination per month (2 4 64kbs)			UNCDX	ID1DD	0.91	5.70	4.42											
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 1	1		UNCDX	UDL56	31.10	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 2	2		UNCDX	UDL56	40.61	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 3	3		UNCDX	UDL56	53.11	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional OCU DP COCI (data) in combination per month (2 4 64kbs)			UNCDX	ID1DD	0.91	5.70	4.42											
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09					
EXTENDED 4-WIRE 64 KBPS EXTENDED DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT																			
	First 4 Wire 64Kbps Digital Grade Loop in Combination Zone 1	1		UNCDX	UDL64	31.10	108.76	35.47	72.94	10.86			20.35	21.09					
	First 4 Wire 64Kbps Digital Grade Loop in Combination Zone 2	2		UNCDX	UDL64	40.61	108.76	35.47	72.94	10.86			20.35	21.09					
	First 4 Wire 64Kbps Digital Grade Loop in Combination Zone 3	3		UNCDX	UDL64	53.11	108.76	35.47	72.94	10.86			20.35	21.09					
	Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0.3562													
	Interoffice Transport Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09					
	1/0 Channel System in combination Per Month			UNC1X	MQ1	80.77	105.76	14.48	3.04	2.74									
	OCU DP COCI (data) in combination per month (2 4 64kbs)			UNCDX	ID1DD	0.91	5.70	4.42											
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 1	1		UNCDX	UDL64	31.10	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 2	2		UNCDX	UDL64	40.61	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 3	3		UNCDX	UDL64	53.11	108.76	35.47	72.94	10.86			20.35	21.09					
	Additional OCU DP COCI (data) in combination per month (2 4 64kbs)			UNCDX	ID1DD	0.91	5.70	4.42											
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09					
EXTENDED 4 WIRE DS1 DIGITAL EXTENDED LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT																			
	4 Wire DS1 Digital Loop in Combination Zone 1	1		UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88									
	4 Wire DS1 Digital Loop in Combination Zone 2	2		UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88									
	4 Wire DS1 Digital Loop in Combination Zone 3	3		UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88									

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge Manual Svc Order vs Electronic-1st	Exhibit A Incremental Charge Manual Svc Order vs Electronic-1st	Exhibit A Incremental Charge Manual Svc Order vs Electronic-1st
						Rec	Nonrecurring First	Addl	Nonrecurring First	Disconnect Addl	SOMECE	SOMAN	SOMAN	SOMAN	SOMAN
	Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0.3562									
	Interoffice Transport Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77.85	171.24	113.12	70.07	30.90			20.35	21.09	
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNC00		52.73	24.62	9.12	9.12			20.35	21.09	
EXTENDED 4-WIRE DS1 DIGITAL EXTENDED LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT															
	First DS1 Loop in combination Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88			20.35	21.09	
	First DS1 Loop in combination Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88			20.35	21.09	
	First DS1 Loop in combination Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88			20.35	21.09	
	Interoffice Transport Dedicated DS3 combination Per Mile Per Month			UNC3X	1L5XX	2.34									
	Interoffice Transport Dedicated DS3 Facility Termination per month			UNC3X	U1TF3	854.97	482.01	153.81	64.43	35.43			36.84	36.84	
	3/1 Channel System in combination per month			UNC3X	MQ3	222.98	156.02	49.41	17.12	6.77					
	DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Additional DS1 Loop in DS3 Interoffice Transport Combination Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88			20.35	21.09	
	Additional DS1 Loop in DS3 Interoffice Transport Combination Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88			20.35	21.09	
	Additional DS1 Loop in DS3 Interoffice Transport Combination Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88			20.35	21.09	
	Additional DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC3X	UNC00		52.73	24.62	9.12	9.12			20.35	21.09	
EXTENDED 2-WIRE VOICE GRADE EXTENDED LOOP/ 2 WIRE VOICE GRADE INTEROFFICE TRANSPORT															
	2 Wire/VG Loop in combination Zone 1		1	UNCVX	UEAL2	16.56	108.76	35.47	72.94	10.86					
	2 Wire/VG Loop in combination Zone 2		2	UNCVX	UEAL2	21.63	108.76	35.47	72.94	10.86					
	2 Wire/VG Loop in combination Zone 3		3	UNCVX	UEAL2	28.28	108.76	35.47	72.94	10.86					
	Interoffice Transport 2 wire VG Dedicated Per Mile Per Month			UNCVX	1L5XX	0.0174									
	Interoffice Transport 2 wire VG Dedicated Facility Termination per month			UNCVX	U1TV2	21.79	79.83	44.08	69.32	31.00			20.35	21.09	
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNCVX	UNC00		52.73	24.62	9.12	9.12			20.35	21.09	
EXTENDED 4-WIRE VOICE GRADE EXTENDED LOOP/ 4 WIRE VOICE GRADE INTEROFFICE TRANSPORT															
	4 Wire/VG Loop in combination Zone 1		1	UNCVX	UEAL4	24.70	108.76	35.47	72.94	10.86					
	4 Wire/VG Loop in combination Zone 2		2	UNCVX	UEAL4	32.26	108.76	35.47	72.94	10.86					
	4 Wire/VG Loop in combination Zone 3		3	UNCVX	UEAL4	42.18	108.76	35.47	72.94	10.86					
	Interoffice Transport 4 wire VG Dedicated Per Mile Per Month			UNCVX	1L5XX	0.0174									
	Interoffice Transport 4 wire VG Dedicated Facility Termination per month			UNCVX	U1TV4	27.30	79.83	44.08	69.32	31.00			20.35	21.09	
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNCVX	UNC00		52.73	24.62	9.12	9.12			20.35	21.09	
EXTENDED DS3 DIGITAL EXTENDED LOOP WITH DEDICATED DS3 INTEROFFICE TRANSPORT															
	DS3 Local Loop in combination per mile per month			UNC3X	1L5ND	9.19									
	DS3 Local Loop in combination Facility Termination per month			UNC3X	UE3PX	373.47	240.23	180.87	106.78	45.24					
	Interoffice Transport Dedicated DS3 Per Mile per month			UNC3X	1L5XX	2.34									
	Interoffice Transport Dedicated DS3 combination Facility Termination per month			UNC3X	U1TF3	854.97	482.01	153.81	64.43	35.43			36.84	36.84	
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC3X	UNC00		52.73	24.62	9.12	9.12			36.84	36.84	
EXTENDED STS-1 DIGITAL EXTENDED LOOP WITH DEDICATED STS-1 INTEROFFICE TRANSPORT															
	STS-1 Local Loop in combination per mile per month			UNC5X	1L5ND	9.19									
	STS-1 Local Loop in combination Facility Termination per month			UNC5X	UDLS1	394.56	240.23	180.87	106.78	45.24					
	Interoffice Transport Dedicated STS-1 combination per mile per month			UNC5X	1L5XX	2.34									

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS Tennessee													Attachment 2		Exhibit A	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs. Electronic-1st	Incremental Charge Manual Svc Order vs. Electronic-Add'l	Incremental Charge Manual Svc Order vs. Electronic-1st	Incremental Charge Manual Svc Order vs. Electronic-Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l	SOMEK	SOMAN	OSS Rates (\$)		SOMAN	SOMAN
	Interoffice Transport Dedicated STS-1 combination Facility Termination per month			UNCSX	U1TFS	849.30	482.01	153.81	64.43	35.43			36.84	36.84		
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNCSX	UNCCC		52.73	24.62	9.12	9.12			36.84	36.84		
EXTENDED 2 WIRE ISDN EXTENDED LOOP WITH DS1 INTEROFFICE TRANSPORT																
	First 2 Wire ISDN Loop in Combination - Zone 1		1	UNCNX	U1L2X	22.22	108.76	35.47	72.94	10.86			20.35	21.09		
	First 2 Wire ISDN Loop in Combination - Zone 2		2	UNCNX	U1L2X	29.02	108.76	35.47	72.94	10.86			20.35	21.09		
	First 2 Wire ISDN Loop in Combination - Zone 3		3	UNCNX	U1L2X	37.95	108.76	35.47	72.94	10.86			20.35	21.09		
	Interoffice Transport Dedicated DS1 combination per mile per month			UNC1X	1LSXX	0.3562										
	Interoffice Transport Dedicated DS1 combination Facility Termination per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09		
	1/0 Channel System in combination per month			UNC1X	MQ1	80.77	105.76	14.48	3.04	2.74						
	2 wire ISDN COCI (BRITE) in combination per month			UNCNX	UC1CA	3.24	5.70	4.42								
	Additional 2-wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 1		1	UNCNX	U1L2X	22.22	108.76	35.47	72.94	10.86			20.35	21.09		
	Additional 2 wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 2		2	UNCNX	U1L2X	29.02	108.76	35.47	72.94	10.86			20.35	21.09		
	Additional 2 wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 3		3	UNCNX	U1L2X	37.95	108.76	35.47	72.94	10.86			20.35	21.09		
	Additional 2 wire ISDN COCI (BRITE) in combination per month			UNCNX	UC1CA	3.24	5.70	4.42								
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09		
EXTENDED 4-WIRE DS1 DIGITAL EXTENDED LOOP WITH DEDICATED STS 1 INTEROFFICE TRANSPORT																
	First DS1 Loop Combination - Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88			20.35	21.09		
	First DS1 Loop Combination - Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88			20.35	21.09		
	First DS1 Loop Combination - Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88			20.35	21.09		
	Interoffice Transport Dedicated STS 1 combination Per Mile Per Month			UNCSX	1LSXX	2.34										
	Interoffice Transport Dedicated STS 1 combination Facility Termination per month			UNCSX	U1TFS	849.30	482.01	153.81	64.43	35.43			36.84	36.84		
	3/1 Channel System in combination per month			UNCSX	MQ3	222.98	156.02	49.41	17.12	6.77						
	DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42								
	Additional DS1 Loop in the same STS 1 Interoffice Transport Combination - Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88			20.35	21.09		
	Additional DS1 Loop in the same STS-1 Interoffice Transport Combination - Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88			20.35	21.09		
	Additional DS1 Loop in the same STS 1 Interoffice Transport Combination - Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88			20.35	21.09		
	DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42								
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNCSX	UNCCC		52.73	24.62	9.12	9.12			36.84	36.84		
EXTENDED 4-WIRE 56 KBPS DIGITAL EXTENDED LOOP WITH 56 KBPS INTEROFFICE TRANSPORT																
	4 wire 56 kbps Local Loop in combination - Zone 1		1	UNCDX	UDL56	31.10	108.76	35.47	72.94	10.86						
	4 wire 56 kbps Local Loop in combination - Zone 2		2	UNCDX	UDL56	40.61	108.76	35.47	72.94	10.86						
	4 wire 56 kbps Local Loop in combination - Zone 3		3	UNCDX	UDL56	53.11	108.76	35.47	72.94	10.86						
	Interoffice Transport Dedicated 4 wire 56 kbps combination Per Mile per month			UNCDX	1LSXX	0.0174										
	Interoffice Transport Dedicated 4 wire 56 kbps combination Facility Termination per month			UNCDX	U1TDS	21.19	79.83	44.08	69.32	31.00			20.35	21.09		
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNCDX	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09		
EXTENDED 4-WIRE 64 KBPS DIGITAL EXTENDED LOOP WITH 64 KBPS INTEROFFICE TRANSPORT																
	4-wire 64 kbps Local Loop in Combination - Zone 1		1	UNCDX	UDL64	31.10	108.76	35.47	72.94	10.86						
	4-wire 64 kbps Local Loop in Combination - Zone 2		2	UNCDX	UDL64	40.61	108.76	35.47	72.94	10.86						
	4 wire 64 kbps Local Loop in Combination - Zone 3		3	UNCDX	UDL64	53.11	108.76	35.47	72.94	10.86						
	Interoffice Transport - Dedicated 4 wire 64 kbps combination Per Mile per month			UNCDX	1LSXX	0.0174										

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A		
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMEC	SOMAN	Incremental Charge Manual Svc Order vs. Electronic-1st	Incremental Charge Manual Svc Order vs. Electronic- Disc 1st	Incremental Charge Manual Svc Order vs. Electronic- Disc Add'l
	Interface Transport Dedicated 4 wire 64 kbps combination Facility Termination per month			UNCDX	U1TD6	21.19	79.83	44.08	69.32	31.00					20.35	21.09	
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNCDX	UNCCC		52.73	24.62	9.12	9.12					20.35	21.09	
EXTENDED	2 WIRE VOICE GRADE LOOP WITH DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX																
	First 2 wire VG Loop (SL2) In Combination Zone 1		1	UNCVX	UEAL2	16.56	108.76	35.47	72.94	10.86					20.35	21.09	
	First 2 wire VG Loop (SL2) In Combination Zone 2		2	UNCVX	UEAL2	21.63	108.76	35.47	72.94	10.86					20.35	21.09	
	First 2 wire VG Loop (SL2) In Combination Zone 3		3	UNCVX	UEAL2	28.28	108.76	35.47	72.94	10.86					20.35	21.09	
	First Interface Transport Dedicated DS1 combination Per Mile			UNC1X	1LSXX	0.3562											
	First Interface Transport Dedicated DS1 combination Facility Termination per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09	
	Per each DS1 Channelization System Per Month			UNC1X	MD1	80.77	105.76	14.48	3.04	2.74							
	Per each Voice Grade COCI Per Month per month			UNCVX	1D1VG	0.91	5.70	4.42									
	3/1 Channel System in combination per month			UNC3X	MO3	222.96	156.02	49.41	17.12	6.77					36.84	36.84	
	Per each DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42									
	Each Additional 2 Wire VG Loop(SL 2) in the same DS1 Interface Transport Combination Zone 1		1	UNCVX	UEAL2	16.56	108.76	35.47	72.94	10.86					20.35	21.09	
	Each Additional 2 Wire VG Loop(SL2) in the same DS1 Interface Transport Combination Zone 2		2	UNCVX	UEAL2	21.63	108.76	35.47	72.94	10.86					20.35	21.09	
	Each Additional 2 Wire VG Loop(SL2) in the same DS1 Interface Transport Combination Zone 3		3	UNCVX	UEAL2	28.28	108.76	35.47	72.94	10.86					20.35	21.09	
	Each Additional Voice Grade COCI in combination per month			UNCVX	1D1VG	0.91	5.70	4.42									
	Each Additional DS1 Interface Channel per mile in same 3/1 Channel System per month			UNC1X	1LSXX	0.3562											
	Each Additional DS1 Interface Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09	
	Each Additional DS1 COCI combination per month			UNC1X	UC1D1	17.58	5.70	4.42									
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12					20.35	21.09	
EXTENDED	4-WIRE VOICE GRADE LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX																
	First 4 Wire Analog Voice Grade Local Loop in Combination Zone 1		1	UNCVX	UEAL4	24.70	108.76	35.47	72.94	10.86					20.35	21.09	
	First 4 Wire Analog Voice Grade Local Loop in Combination Zone 2		2	UNCVX	UEAL4	32.26	108.76	35.47	72.94	10.86					20.35	21.09	
	First 4 Wire Analog Voice Grade Local Loop in Combination Zone 3		3	UNCVX	UEAL4	42.18	108.76	35.47	72.94	10.86					20.35	21.09	
	First Interface Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1LSXX	0.3562											
	First Interface Transport Dedicated DS1 Facility Termination Per Month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09	
	Per each 1/0 Channel System in combination Per Month			UNC1X	MD1	80.77	105.76	14.48	3.04	2.74							
	Per each Voice Grade COCI in combination per month			UNCVX	1D1VG	0.91	5.70	4.42									
	3/1 Channel System in combination per month			UNC3X	MO3	222.96	156.02	49.41	17.12	6.77					36.84	36.84	
	Per each DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42									
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interface Transport Combination Zone 1		1	UNCVX	UEAL4	24.70	108.76	35.47	72.94	10.86					20.35	21.09	
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interface Transport Combination Zone 2		2	UNCVX	UEAL4	32.26	108.76	35.47	72.94	10.86					20.35	21.09	
	Additional 4 Wire Analog Voice Grade Loop in same DS1 Interface Transport Combination Zone 3		3	UNCVX	UEAL4	42.18	108.76	35.47	72.94	10.86					20.35	21.09	
	Each Additional DS1 Interface Channel per mile in same 3/1 Channel System per month			UNC1X	1LSXX	0.3562											
	Each Additional DS1 Interface Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90					20.35	21.09	
	Additional Voice Grade COCI in combination per month			UNCVX	1D1VG	0.91	5.70	4.42									
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12					20.35	21.09	
EXTENDED	4-WIRE 56 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX																

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

## UNBUNDLED NETWORK ELEMENTS - Tennessee

CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge - Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs. Electronic-Disc 1st	Incremental Charge Manual Svc Order vs. Electronic-Disc Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l						
											OSS Rates (\$)					
											SOMECH	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	First 4 Wire 56Kbps Digital Grade Local Loop in Combination Zone 1		1	UNCDX	UDL56	31 10	108 76	35 47	72 94	10 86				20 35	21 09	
	First 4 Wire 56Kbps Digital Grade Local Loop in Combination Zone 2		2	UNCDX	UDL56	40 61	108 76	35 47	72 94	10 86				20 35	21 09	
	First 4 Wire 56Kbps Digital Grade Local Loop in Combination Zone 3		3	UNCDX	UDL56	53 11	108 76	35 47	72 94	10 86				20 35	21 09	
	First Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0 3562										
	First Interoffice Transport Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77 86	171 24	113 12	70 07	30 90				20 35	21 09	
	Per each 1/0 Channel System in combination Per Month			UNC1X	MQ1	80 77	105 76	14 48	3 04	2 74						
	Per each OCU DP COCI (data) COCI per month (2 4-64kbs)			UNC3X	1D1DD	0 91	5 70	4 42								
	3/1 Channel System in combination per month			UNC3X	MQ3	222 98	156 02	49 41	17 12	6 77				36 84	36 84	
	Per each DS1 COCI in combination per month			UNC1X	UC1D1	17 58	5 70	4 42								
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 1		1	UNCDX	UDL56	31 10	108 76	35 47	72 94	10 86				20 35	21 09	
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 2		2	UNCDX	UDL56	40 61	108 76	35 47	72 94	10 86				20 35	21 09	
	Additional 4 Wire 56Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 3		3	UNCDX	UDL56	53 11	108 76	35 47	72 94	10 86				20 35	21 09	
	OCU DP COCI (data) COCI in combination per month (2 4 64kbs)			UNC3X	1D1DD	0 91	5 70	4 42								
	Each Additional DS1 Interoffice Channel per mile in same 3/1 Channel System per month			UNC1X	1L5XX	0 3562										
	Each Additional DS1 Interoffice Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77 86	171 24	113 12	70 07	30 90				20 35	21 09	
	Each Additional DS1 COCI in the same 3/1 channel system combination per month			UNC1X	UC1D1	17 58	5 70	4 42								
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCDC		52 73	24 62	9 12	9 12				20 35	21 09	
EXTENDED 4 WIRE 64 KBPS DIGITAL LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX																
	First 4 Wire 64Kbps Digital Grade Loop in a DS1 Interoffice Transport Combination Zone 1		1	UNCDX	UDL64	31 10	108 76	35 47	72 94	10 86				20 35	21 09	
	First 4 Wire 64Kbps Digital Grade Loop in a DS1 Interoffice Transport Combination Zone 2		2	UNCDX	UDL64	40 61	108 76	35 47	72 94	10 86				20 35	21 09	
	First 4 Wire 64Kbps Digital Grade Loop in a DS1 Interoffice Transport Combination Zone 3		3	UNCDX	UDL64	53 11	108 76	35 47	72 94	10 86				20 35	21 09	
	First Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0 3562										
	First Interoffice Transport Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77 86	171 24	113 12	70 07	30 90				20 35	21 09	
	Per each Channel System 1/0 in combination Per Month			UNC1X	MQ1	80 77	105 76	14 48	3 04	2 74						
	Per each OCU DP COCI (data) in combination per month (2 4 64kbs)			UNC3X	1D1DD	0 91	5 70	4 42								
	3/1 Channel System in combination per month			UNC3X	MQ3	222 98	156 02	49 41	17 12	6 77				36 84	36 84	
	Per each DS1 COCI in combination per month			UNC1X	UC1D1	17 58	5 70	4 42								
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 1		1	UNCDX	UDL64	31 10	108 76	35 47	72 94	10 86				20 35	21 09	
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 2		2	UNCDX	UDL64	40 61	108 76	35 47	72 94	10 86				20 35	21 09	
	Additional 4 Wire 64Kbps Digital Grade Loop in same DS1 Interoffice Transport Combination Zone 3		3	UNCDX	UDL64	53 11	108 76	35 47	72 94	10 86				20 35	21 09	
	Additional OCU DP COCI (data) DS1 to DS0 Channel System combination per month (2 4-64kbs)			UNC3X	1D1DD	0 91	5 70	4 42								
	Each Additional DS1 Interoffice Channel per mile in same 3/1 Channel System per month			UNC1X	1L5XX	0 3562										
	Each Additional DS1 Interoffice Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77 86	171 24	113 12	70 07	30 90				20 35	21 09	
	Each Additional DS1 COCI in the same 3/1 channel system combination per month			UNC1X	UC1D1	17 58	5 70	4 42								

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge - Manual Svc Order vs Electronic-1st	Attachment 2 Incremental Charge - Manual Svc Order vs Electronic-Add'l	Exhibit A Incremental Charge - Manual Svc Order vs. Electronic- Disc 1st	Exhibit A Incremental Charge - Manual Svc Order vs. Electronic- Disc Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)		
													SOMEC	SOMAN	SOMAN
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09	
<b>EXTENDED 2 WIRE ISDN LOOP WITH DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX</b>															
	First 2 Wire ISDN Loop in a DS1 Interoffice Combination Transport - Zone 1		1	UNCNX	U1L2X	22.22	108.76	35.47	72.94	10.86			20.35	21.09	
	First 2 Wire ISDN Loop in a DS1 Interoffice Combination Transport - Zone 2		2	UNCNX	U1L2X	29.02	108.76	35.47	72.94	10.86			20.35	21.09	
	First 2 Wire ISDN Loop in a DS1 Interoffice Combination Transport - Zone 3		3	UNCNX	U1L2X	37.95	108.76	35.47	72.94	10.86			20.35	21.09	
	First Interoffice Transport Dedicated DS1 combination Per Mile per month			UNC1X	1L5XX	0.3562									
	First Interoffice Transport Dedicated DS1 combination Facility Termination per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09	
	Per each Channel System 1/0 in combination per month			UNC1X	MD1	80.77	105.76	14.48	3.04	2.74					
	Per each 2 wire ISDN COCI (BRITE) in combination per month			UNCNX	UC1CA	3.24	5.70	4.42							
	3/1 Channel System in combination per month			UNC3X	MO3	222.98	156.02	49.41	17.12	6.77			36.84	36.84	
	Per each DS1 COCI in combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Additional 2 wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 1		1	UNCNX	U1L2X	22.22	108.76	35.47	72.94	10.86			20.35	21.09	
	Additional 2 wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 2		2	UNCNX	U1L2X	29.02	108.76	35.47	72.94	10.86			20.35	21.09	
	Additional 2 wire ISDN Loop in same DS1 Interoffice Transport Combination - Zone 3		3	UNCNX	U1L2X	37.95	108.76	35.47	72.94	10.86			20.35	21.09	
	Additional 2-wire ISDN COCI (BRITE) in same 1/0 channel system combination- per month			UNCNX	UC1CA	3.24	5.70	4.42							
	Each Additional DS1 Interoffice Channel per mile in same 3/1 Channel System per month			UNC1X	1L5XX	0.3562									
	Each Additional DS1 Interoffice Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09	
	Each Additional DS1 COCI in the same 3/1 channel system combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09	
<b>EXTENDED 4 WIRE DS1 LOOP WITH DEDICATED DS1 INTEROFFICE TRANSPORT w/ 3/1 MUX</b>															
	First 4 wire DS1 Digital Local Loop in Combination - Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88					
	First 4 wire DS1 Digital Local Loop in Combination - Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88					
	First 4-wire DS1 Digital Local Loop in Combination - Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88					
	First Interoffice Transport Dedicated DS1 combination Per Mile Per Month			UNC1X	1L5XX	0.3562									
	First Interoffice Transport - Dedicated DS1 combination Facility Termination Per Month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09	
	3/1 Channel System in combination per month			UNC3X	MO3	222.98	156.02	49.41	17.12	6.77			36.84	36.84	
	Per each DS1 COCI combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Each Additional DS1 Interoffice Channel per mile in same 3/1 Channel System per month			UNC1X	1L5XX	0.3562									
	Each Additional DS1 Interoffice Channel Facility Termination in same 3/1 Channel System per month			UNC1X	U1TF1	77.86	171.24	113.12	70.07	30.90			20.35	21.09	
	Each Additional DS1 COCI in the same 3/1 channel system combination per month			UNC1X	UC1D1	17.58	5.70	4.42							
	Additional 4 Wire DS1 Digital Local Loop in Combination - Zone 1		1	UNC1X	USLXX	57.73	228.40	161.74	79.87	24.88					
	Additional 4 Wire DS1 Digital Local Loop in Combination - Zone 2		2	UNC1X	USLXX	75.40	228.40	161.74	79.87	24.88					
	Additional 4 Wire DS1 Digital Local Loop in Combination - Zone 3		3	UNC1X	USLXX	98.59	228.40	161.74	79.87	24.88					
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNC1X	UNCCC		52.73	24.62	9.12	9.12			20.35	21.09	
<b>EXTENDED 4 WIRE 56 KBPS DIGITAL EXTENDED LOOP WITH DS0 INTEROFFICE TRANSPORT</b>															
	First 4 wire 56 kbps Local Loop in combination - Zone 1		1	UNC0X	UDL56	31.10	108.76	35.47	72.94	10.86					



## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

## UNBUNDLED NETWORK ELEMENTS - Tennessee

CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment: 2		Exhibit: A	
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l
													OSS Rates (\$)			
													SOMEC	SOMAN	SOMAN	SOMAN
	First 4 wire 56 kbps Local Loop in combination Zone 2		2	UNCDX	UDL56	40 61	108 76	35 47	72 94	10 86						
	First 4 wire 56 kbps Local Loop in combination Zone 3		3	UNCDX	UDL56	53 11	108 76	35 47	72 94	10 86						
	First 4 wire 56 kbps Interoffice Transport Dedicated Per Mile per month			UNCDX	1LSXX	0 0174										
	First 4 wire 56 kbps Interoffice Transport Dedicated Facility Termination per month			UNCDX	U1TD5	21 19	79 83	44 08	69 32	31 00			20 35	21 09		
	Nonrecurring Currently Combined Network Elements Switch As Is Charge			UNCDX	UNCCC		52 73	24 62	9 12	9 12			20 35	21 09		
	EXTENDED 4-WIRE 64 KBPS DIGITAL EXTENDED LOOP WITH DS0 INTEROFFICE TRANSPORT															
	First 4-wire 64 kbps Local Loop in combination Zone 1		1	UNCDX	UDL64	31 10	108 76	35 47	72 94	10 86						
	First 4-wire 64 kbps Local Loop in combination Zone 2		2	UNCDX	UDL64	40 61	108 76	35 47	72 94	10 86						
	First 4 wire 64 kbps Local Loop in combination Zone 3		3	UNCDX	UDL64	53 11	108 76	35 47	72 94	10 86						
	First 4 wire 64 kbps Interoffice Transport Dedicated Per Mile per month			UNCDX	1LSXX	0 0174										
	First 4 wire 64 kbps Interoffice Transport Dedicated Facility Termination per month			UNCDX	U1TD6	21 19	79 83	44 08	69 32	31 00			20 35	21 09		
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge			UNCDX	UNCCC		52 73	24 62	9 12	9 12			20 35	10 54		
	ADDITIONAL NETWORK ELEMENTS															
	When used as a part of a currently combined facility, the non recurring charges do not apply, but a Switch As Is charge does apply															
	When used as ordinarily combined network elements in All States, the non-recurring charges apply and the Switch As Is Charge does not.															
	Nonrecurring Currently Combined Network Elements "Switch As Is" Charge (One applies to each combination)															
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge 2 wire/4 Wire VG			UNCVX	UNCCC		52 73	24 62	9 12	9 12			53 73	24 62		
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge 56/64 kbps			UNCDX	UNCCC		52 73	24 62	9 12	9 12			20 35	10 54		
	Nonrecurring Currently Combined Network Elements Switch As Is Charge DS1			UNC1X	UNCCC		52 73	24 62	9 12	9 12			53 73	24 62		
	Nonrecurring Currently Combined Network Elements Switch As Is Charge DS3			UNC3X	UNCCC		52 73	24 62	9 12	9 12			53 73	24 62		
	Nonrecurring Currently Combined Network Elements Switch As-Is Charge STS1			UNCSX	UNCCC		52 73	24 62	9 12	9 12			53 73	24 62		
	Optional Features & Functions															
	Clear Channel Capability Extended Frame Option - per DS1	I		U1TD1 ULDD1 UNC1X	CCOEF	0I	0I	0I	0I							
	Clear Channel Capability Super Frame Option - per DS1	I		U1TD1 ULDD1 UNC1X	CCOSF	0I	0I	0I	0I							
	Clear Channel Capability (SF/ESF) Option Subsequent Activity per DS1	I		UNC1X U1TD1 UNC1X USL	NRCCC	185 16S	23 85S	2 03S	0 79S				45 68	1 76		
	C-bit Parity Option Subsequent Activity per DS3	I		U1TD3 ULDD3 UE3 UNC3X	NRCCC3	219 46S	7 68S	7637S	0S				45 68	1 76		
	MULTIPLEXERS															
	DS1 to DS0 Channel System per month			UNC1X	MQ1	80 77	105 76	14 48	3 04	2 74			20 35	9 80		
	OCU DP COCI (data) DS1 to DS0 Channel System per month (2 4-64kbs) used for a Local Loop			UDL	1D1DD	1 82	6 07	4 66						9 80		
	OCU DP COCI (data) DS1 to DS0 Channel System per month (2 4-64kbs) used for connection to a channelized DS1 Local Channel in the same SWC as collocation			U1TUD	1D1DD	1 82	6 07	4 66								
	2 wire ISDN COCI (BRITE) DS1 to DS0 Channel System per month for a Local Loop			UDN	UC1CA	3 10	6 07	4 66								
	2 wire ISDN COCI (BRITE) DS1 to DS0 Channel System per month used for connection to a channelized DS1 Local Channel in the same SWC as collocation			U1TUB	UC1CA	3 10	6 07	4 66								
	Voice Grade COCI - DS1 to DS0 Channel System per month used for a Local Loop			UEA	1D1VG	0 91	6 07	4 66								
	Voice Grade COCI DS1 to DS0 Channel System per month used for connection to a channelized DS1 Local Channel in the same SWC as collocation			U1TUC	1D1VG	0 91	6 07	4 66								
	DS3 to DS1 Channel System per month			UNC3X	MQ3	222 98	156 02	49 41	17 12	6 77			20 35	9 80		
	STS-1 to DS1 Channel System per month			UNCSX	MQ3	222 98	156 02	49 41	17 12	6 77			20 35	9 80		

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee											Attachment: 2		Exhibit: A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add1	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add1
						Rec	Nonrecurring First	Add1	Nonrecurring Disconnect First	Add1	SOMEC	SOMAN	OSS Rates (\$)		SOMAN	SOMAN
	DS1 COCI used with Loop per month			USL	UC1D1	17.58	6.07	4.66								
	DS1 COCI (used for connection to a channelized DS1 Local Channel in the same SWC as collocation) per month			U1TUA	UC1D1	17.58	6.07	4.66								
	DS1 COCI used with Interface Channel per month			U1TD1	UC1D1	17.58	6.07	4.66								
	DS3 Interface Unit (DS1 COCI) used with Local Channel per month			ULDD1	UC1D1	17.58	6.07	4.66								
UNBUNDLED LOCAL EXCHANGE SWITCHING(PORTS)																
Exchange Ports																
NOTE: Although the Port Rate includes all available features in GA, KY, LA & TN, the desired features will need to be ordered using retail USOCs																
2 WIRE VOICE GRADE LINE PORT RATES (RES)																
	Exchange Ports 2 Wire Analog Line Port Res			UEPSR	UEPRL	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire Analog Line Port with Caller ID Res			UEPSR	UEPRC	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire Analog Line Port outgoing only Res			UEPSR	UEPRO	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled TN extended local dialing party Port with Caller ID Res			UEPSR	UEPAQ	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Plus with Caller ID Res (AC7)			UEPSR	UEPAH	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Calling port with Caller ID Res (F2R)			UEPSR	UEPAK	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Calling port with Caller ID Res (TACER)			UEPSR	UEPAL	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Calling port with Caller ID Res (TACSR)			UEPSR	UEPAM	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Calling port with Caller ID Res (1MF2X)			UEPSR	UEPAN	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Tennessee Area Calling port with Caller ID Res (2MR)			UEPSR	UEPAO	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled res low usage line port with Caller ID (LUM)			UEPSR	UEPAP	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Port 2 Wire VG Tennessee Residence Dialing Plan without Caller ID			UEPSR	UEPWN	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Port 2 Wire VG Tennessee Residence Area Plus without Caller ID			UEPSR	UEPRR	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	2 Wire voice unbundled Low Usage Line Port without Caller ID Capability			UEPSR	UEPRT	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Subsequent Activity			UEPSR	USASC	0.00	0.00	0.00					20.35	10.54	13.32	1.40
FEATURES																
	All Available Vertical Features			UEPSR	UEPVF	0.00	0.00	0.00					20.35	10.54	13.32	1.40
2 WIRE VOICE GRADE LINE PORT RATES (BUS)																
	Exchange Ports 2 Wire Analog Line Port without Caller ID Bus			UEPSB	UEPBL	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled Line Port with unbundled port with Caller ID E484 ID Bus			UEPSB	UEPBC	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire Analog Line Port outgoing only Bus			UEPSB	UEPBO	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled TN extended local dialing party Port with Caller ID Bus			UEPSB	UEPAV	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled incoming only port with Caller ID Bus			UEPSB	UEPB1	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled TN Bus 2 Way Area Calling Port Economy Option Bus (TACC1)			UEPSB	UEPAC	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 Wire VG unbundled TN Bus 2 Way Area Calling Port Standard Option Bus (TACC2)			UEPSB	UEPAD	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 W VG unbundled TN Bus 2 Way Collerville & Memphis Local Calling Port Bus (B2F)			UEPSB	UEPAE	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40
	Exchange Ports 2 W VG unbundled TN Bus 2 Way Collerville & Memphis Local Calling Port			UEPSB	UEPB2	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32	1.40

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge Manual Svc Order vs. Electronic 1st	Exhibit A Incremental Charge Manual Svc Order vs. Electronic 1st	Exhibit A Incremental Charge Manual Svc Order vs. Electronic Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l	SOMEK	SOMAN	SOMAN	SOMAN	SOMAN
	Exchange Ports 2 W VG unbundled TN Business Line Inward Collierville & Memphis Local Calling Plan			UEPSB	UEPB3	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	Exchange Ports 2 Wire Voice Tennessee Business Dialing Plan without Caller ID			UEPSB	UEPWO	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire voice unbundled Incoming Only Port without Caller ID Capability			UEPSB	UEPBE	1.89	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	Subsequent Activity			UEPSB	USASC	0.00	0.00	0.00					20.35	10.54	13.32
FEATURES															
	All Available Vertical Features			UEPSB	UEPVF	0.00	0.00	0.00					20.35	10.54	13.32
EXCHANGE PORT RATES (DID & PBX)															
	2 Wire VG Unbundled 2 Way PBX Trunk Res			UEPSE	UEPRD	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire VG Line Side Unbundled 2 Way PBX Trunk Bus			UEPSP	UEPPC	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire VG Line Side Unbundled Outward PBX Trunk Bus			UEPSP	UEPPO	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire VG Line Side Unbundled Incoming PBX Trunk Bus			UEPSP	UEPP1	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Analog Long Distance Terminal PBX Trunk Bus			UEPSP	UEPLD	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Analog TN 2 Way Calling Plan PBX Trunk Bus			UEPSP	UEPT2	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire TN Outward Calling Plan PBX Trunk Bus			UEPSP	UEPTO	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX LD Terminal Ports			UEPSP	UEPLD	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 2 Way PBX Tennessee Calling Port			UEPSP	UEPT2	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 1 Way Outgoing PBX Tennessee Calling Port			UEPSP	UEPTO	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 2 Way PBX Usage Port			UEPSP	UEPXA	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX Toll Terminal Ports			UEPSP	UEPXB	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX LD DDO Terminals Port			UEPSP	UEPXC	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX LD Terminal Switchboard Port			UEPSP	UEPXD	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX LD Terminal Switchboard IDO Capable Port			UEPSP	UEPXE	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Administrative Calling Port			UEPSP	UEPXL	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Room Calling Port			UEPSP	UEPXM	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 W Voice Unbundled 1 Way Out PBX Hotel/Hospital Economy Administrative Calling Port TN Calling Port			UEPSP	UEPXN	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 1 Way Outgoing PBX Hotel/Hospital Discount Room Calling Port			UEPSP	UEPXO	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	Unbundled Exchange Ports PBX Trunk Combination Collierville and Memphis Local Calling Plan			UEPSP	UEPA6	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	Unbundled Exchange Ports PBX Trunk Combination first trunk Collierville and Memphis Local Calling Plan			UEPSP	UEPA7	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 1 Way Outgoing PBX Measured Port			UEPSP	UEPXS	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled PBX Collierville and Memphis Calling Port			UEPSP	UEPXU	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	2 Wire Voice Unbundled 2 Way PBX Tennessee RegionServ Calling Port			UEPSP	UEPXV	1.79	9.93	9.19	3.66	2.92			20.35	10.54	13.32
	Subsequent Activity			UEPSP	USASC	0.00	0.00	0.00					20.35	10.54	13.32
FEATURES															
	All Available Vertical Features			UEPSP	UEPSE	0.00	0.00	0.00					20.35	10.54	13.32
EXCHANGE PORT RATES (COIN)															
	Exchange Ports Coin Port					2.11	9.93	9.19	3.66	2.92			20.35	10.54	13.32
NOTE	Transmission/usage charges associated with POTIS circuit switched usage will also apply to circuit switched voice and/or circuit switched data transmission by B-Channels associated with 2-wire ISDN ports.														
NOTE	Access to B Channel or D Channel Packet capabilities will be available only through BFR/New Business Request Process Rates for the packet capabilities will be determined via the Bona Fide Request/New Business Request Process														
UNBUNDLED LOCAL EXCHANGE SWITCHING (PORTS)															
EXCHANGE PORT RATES															
	The DS1 Port rates below for 4 Wire DDITS Trunk Port and 4 Wire ISDN Port in this rate exhibit apply to the embedded base in place as of 10/2/03 until 4/1/04 After 4/1/04 these rates shall revert to tariff rates or a separate agreement.														
	Requests for 4-Wire DDITS Trunk Ports with 4-Wire ISDN DS1 Ports after the effective date of this amendment shall be provided pursuant to a separate agreement or tariff at BellSouth's discretion														
	Exchange Ports 2 Wire DID Port			UEPEX	UEPP2	8.97	47.75	47.01	9.21	8.47			20.35	10.54	13.32
	Exchange Ports DDITS Port 4 Wire DS1 Port with DID capability (E 4/1/04)			UEPDD	UEPDD	35.74	75.93	38.15	8.77	8.04			20.35	10.54	13.32
	Exchange Ports 2 Wire ISDN Port (See Notes below)			UEPTX	UEPSX	18.26	30.23	28.49	4.10	4.10			20.35	10.54	13.32
	All Features Offered			UEPTX	UEPSX	0.00	0.00	0.00							

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)						Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment: 2 Incremental Charge Manual Svc Order vs. Electronic 1st	Exhibit: A Incremental Charge Manual Svc Order vs. Electronic Disc 1st
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l				OSS Rates (\$)	
											SOMEc	SOMAN	SOMAN	SOMAN	SOMAN
	Exchange Ports 2 Wire ISDN Port Channel Profiles			UEPTX, UEPSX	U1UMA	0.00	0.00	0.00							
NOTE Transmission/usage charges associated with POTS circuit switched usage will also apply to circuit switched voice and/or circuit switched data transmission by B Channels associated with 2-wire ISDN ports															
NOTE Access to B Channel or D Channel Packet capabilities will be available only through BFR/New Business Request Process. Rates for the packet capabilities will be determined via the Bona Fide Request/New Business Request Process															
EXCHANGE PORT RATES (continued)															
	Exchange Ports 4 Wire ISDN DS1 Port with Detailed E911 Locator Capability (E 4/1/2004)			UEPEX	UEPEX	75.04	148.66	147.18	36.46	36.98				20.35	10.54
	Exchange Ports 4 Wire ISDN DS1 Port (E 4/1/2004)			UEPDX	UEPDX	75.04	148.66	147.18	36.46	36.98				20.35	10.54
	Physical Collocation DS1 Cross-Connects			UEPEX	UEPDX	PE1P1	1.51	53.27	40.16						
	Virtual collocation Special Access & UNE cross-connect per DS1			UEPEX	UEPDX	CNC1X	1.32	32.22	17.76	8.75					
Detailed E911 with Locator Capability (required with UEPEX port)															
	Unbundled Exchange Ports 4 Wire ISDN DS1 Port E911 Locator Capability Initial Profile Establishment per CLEC per State			UEPEX	UEP1A	0.00	1,699.00		147.00					20.35	10.54
	Unbundled Exchange Ports 4 Wire ISDN DS1 Port E911 Locator Capability Subsequent Profile Changes Additions Deletions			UEPEX	UEP1B	0.00	164.94							20.35	10.54
New or Additional PRI Telephone Numbers															
	Unbundled Exchange Ports 4 Wire ISDN DS1 Port E911 Locator Capability 2 way Telephone Numbers per number in E911 profile (New or Additional)			UEPEX	UEP1C	0.0755	0.94							20.35	10.54
	Unbundled Exchange Ports 4 Wire ISDN DS1 Port E911 Locator Capability Outdial Telephone Numbers per number in E911 profile (New or Additional)			UEPEX	UEP1D	0.0755	22.36	22.36						20.35	10.54
	Unbundled Exchange Ports 4 Wire ISDN DS1 Port Inward Telephone Numbers Inward Data Only Option (New or Additional)			UEPDX	UEP1E	0.00	0.94							20.35	10.54
	Exchange Ports 4 Wire ISDN DS1 Port Subsequent (New) Inward Tel Numbers (Customer Testing Purposes)			UEPEX	PR72T	0.00	44.71	44.70						20.35	10.54
LOCAL NUMBER PORTABILITY															
	Local Number Portability (1 per port)			UEPEX	UEPDX	LNPCN	1.75							20.35	10.54
INTERFACE (Provisioning Only)															
	Voice/Data			UEPEX	PR71V	0.00	0.00	0.00						20.35	10.54
	Digital Data			UEPEX	PR71D	0.00	0.00	0.00						20.35	10.54
	Inward Data			UEPDX	PR71E	0.00	0.00	0.00						20.35	10.54
New or Additional Channel															
	New or Additional Voice/Data "B" Channel			UEPEX	PR7BV	0.00	28.39							20.35	10.54
	New or Additional Digital Data "B" Channel			UEPEX	PR7BF	0.00	29.11							20.35	10.54
	New or Additional Inward Data "B" Channel			UEPDX	PR7BD	0.00	29.39							20.35	10.54
	New or Additional Usage Sensitive Voice Data "B" Channel			UEPEX	PR7BS	0.00	29.39							20.35	10.54
	New or Additional Usage Sensitive Digital Data "B" Channel			UEPEX	PR7BU	0.00	29.39							20.35	10.54
	New or Additional PRI "D" Channel			UEPEX	PR7EX	0.00	29.39							20.35	10.54
CALL TYPES															
	Inward			UEPEX	UEPDX	PR7C1	0.00	0.00	0.00						
	Outward			UEPEX	PR7CO	0.00	0.00	0.00							
	Two-way			UEPEX	PR7CC	0.00	0.00	0.00							
UNBUNDLED PORT with REMOTE CALL FORWARDING CAPABILITY															
UNBUNDLED REMOTE CALL FORWARDING SERVICE RESIDENCE															
	Unbundled Remote Call Forwarding Service Area Calling Res			UEPVR	UERAC	1.89	9.93	9.19	3.66	2.92				20.35	10.54
	Unbundled Remote Call Forwarding Service Local Calling Res			UEPVR	UERLC	1.89	9.93	9.19	3.66	2.92				20.35	10.54
	Unbundled Remote Call Forwarding Service InterLATA Res			UEPVR	UERTE	1.89	9.93	9.19	3.66	2.92				20.35	10.54
	Unbundled Remote Call Forwarding Service IntraLATA Res			UEPVR	UERTR	1.89	9.93	9.19	3.66	2.92				20.35	10.54
Non Recurring															
	Unbundled Remote Call Forwarding Service Conversion Switches			UEPVR	USAC2		1.03	0.29						20.35	10.54
	Unbundled Remote Call Forwarding Service Conversion with allowed change (PIC and LPIC)			UEPVR	USACC		1.03	0.29						20.35	10.54
UNBUNDLED REMOTE CALL FORWARDING Bus															

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A			
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMEC	SOMAN	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic Disc Add'l
	Unbundled Remote Call Forwarding Service Area Calling Bus			UEPVB	UERAC	1.89	9.93	9.19	3.66	2.92				20.35	10.54	13.32	1.40	
	Unbundled Remote Call Forwarding Service Local Calling Bus			UEPVB	UERLC	1.89	9.93	9.19	3.66	2.92				20.35	10.54	13.32	1.40	
	Unbundled Remote Call Forwarding Service InterLATA Bus			UEPVB	UERTE	1.89	9.93	9.19	3.66	2.92				20.35	10.54	13.32	1.40	
	Unbundled Remote Call Forwarding Service IntraLATA Bus			UEPVB	UERTR	1.89	9.93	9.19	3.66	2.92				20.35	10.54	13.32	1.40	
	Unbundled Remote Call Forwarding Service Expanded and Exception Local Calling			UEPVB	UEVJ	1.89	9.93	9.19	3.66	2.92				20.35	10.54	13.32	1.40	
	Non-Recurring																	
	Unbundled Remote Call Forwarding Service Conversion Switch as is			UEPVB	USAC2		1.03	0.29						20.35	10.54	13.32	1.40	
	Unbundled Remote Call Forwarding Service Conversion with allowed change (PIC and LPIC)			UEPVB	USACC		1.03	0.29										
UNBUNDLED LOCAL SWITCHING, PORT USAGE																		
	End Office Switching (Port Usage)																	
	End Office Switching Function Per MOU					0.0008041												
	Tandem Switching (Port Usage) (Local or Access Tandem)																	
	Tandem Switching Function Per MOU					0.0009778												
	Tandem Switching Function Per MOU (Melded)					0.000380364												
	Melded Factor: 38.99% of the Tandem Rate																	
	Common Transport																	
	Common Transport Per Mile Per MOU					0.0000064												
	Common Transport Facilities Termination Per MOU					0.0003871												
UNBUNDLED PORT/LOOP COMBINATIONS COST BASED RATES																		
Cost Based Rates are applied where BellSouth is required by FCC and/or State Commission rule to provide Unbundled Local Switching or Switch Ports																		
Features shall apply to the Unbundled Port/Loop Combination Cost Based Rate section in the same manner as they are applied to the Stand Alone Unbundled Port section of this Rate Exhibit																		
End Office and Tandem Switching Usage and Common Transport Usage rates in the Port section of this rate exhibit shall apply to all combinations of loop/port network elements except for UNE Coin Port/Loop Combinations.																		
The first and additional Port nonrecurring charges apply to Not Currently Combined Combos For Currently Combined Combos the nonrecurring charges shall be those identified in the Nonrecurring Currently Combined sections																		
2 WIRE VOICE GRADE LOOP WITH 2 WIRE LINE PORT (RES)																		
	UNE Port/Loop Combination Rates																	
	2 Wire VG Loop/Port Combo Zone 1		1				14.18											
	2 Wire VG Loop/Port Combo Zone 2		2				18.01											
	2 Wire VG Loop/Port Combo Zone 3		3				23.02											
	UNE Loop Rates																	
	2 Wire Voice Grade Loop (SL1) Zone 1		1	UEPRX	UEPLX		12.48											
	2 Wire Voice Grade Loop (SL1) Zone 2		2	UEPRX	UEPLX		16.31											
	2 Wire Voice Grade Loop (SL1) Zone 3		3	UEPRX	UEPLX		21.32											
	2 Wire Voice Grade Line Port Rates (Res)																	
	2 Wire voice unbundled port residence			UEPRX	UEPRL	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled port with Caller ID res			UEPRX	UEPRC	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled port outgoing only res			UEPRX	UEPRO	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice Grade unbundled Tennessee extended local dialing party port with Caller ID res			UEPRX	UEPAQ	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Plus with Caller ID res (ACT)			UEPRX	UEPAH	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID res (F2R)			UEPRX	UEPAK	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID res (TACER)			UEPRX	UEPAL	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID res (TACSR)			UEPRX	UEPAM	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID res (1MF2X)			UEPRX	UEPAN	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID res (2MR)			UEPRX	UEPAO	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire voice unbundled res low usage line port with Caller ID (LUM)			UEPRX	UEPAP	1.70	22.14	15.25	8.45	3.91				15.69				
	2 Wire Voice Unbundled Tennessee Residence Dialing Plan without Caller ID			UEPRX	UEPWN	1.70	22.14	15.25	8.45	3.91				15.69				

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee														
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge Manual Svc Order vs. Electronic 1st	Exhibit A Incremental Charge Manual Svc Order vs. Electronic 1st
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)	
											SOMECS	SOMAN	SOMAN	SOMAN
	2 Wire voice unbundled Tennessee Area Plus Port without Caller ID Capability			UEPRX	UEPRR	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled Low Usage Line Port without Caller ID Capability			UEPRX	UEPRR	1.70	22.14	15.25	8.45	3.91		15.69		
FEATURES														
	[A] Features Offered													
LOCAL NUMBER PORTABILITY				UEPRX	UEPVF	0.00	0.00	0.00				15.69		
	Local Number Portability (1 per port)			UEPRX	LNPCX	0.35								
NONRECURRING CHARGES (NRCs) CURRENTLY COMBINED														
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch as-is			UEPRX	USAC2		1.03	0.29				15.69		
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch with change			UEPRX	USACC		1.03	0.29				15.69		
	2 Wire Voice Grade Loop / Line Port Combination Conversion Subsequent Database Update						0.76					15.69		
ADDITIONAL NRCs														
	2 Wire Voice Grade Loop/Line Port Combination Subsequent Activity			UEPRX	USAS2	0.00	0.00	0.00				15.69		
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPRX	URETL		8.33	0.83					20.35	10.54
OFF/ON PREMISES EXTENSION CHANNELS														
	2 Wire Analog Voice Grade Extension Loop - Non-Design	1		UEPRX	UEAEN	13.19	31.99	20.02	10.65	1.41			20.35	10.54
	2 Wire Analog Voice Grade Extension Loop - Non-Design	2		UEPRX	UEAEN	17.23	31.99	20.02	10.65	1.41			20.35	10.54
	2 Wire Analog Voice Grade Extension Loop - Non-Design	3		UEPRX	UEAEN	22.53	31.99	20.02	10.65	1.41			20.35	10.54
	2 Wire Analog Voice Grade Extension Loop - Design	1		UEPRX	UEAED	16.56	75.06	48.20	28.70	17.64			20.35	10.54
	2 Wire Analog Voice Grade Extension Loop - Design	2		UEPRX	UEAED	21.63	75.06	48.20	28.70	17.64			20.35	10.54
	2 Wire Analog Voice Grade Extension Loop - Design	3		UEPRX	UEAED	28.28	75.06	48.20	28.70	17.64			20.35	10.54
INTEROFFICE TRANSPORT														
	Interoffice Transport - Dedicated 2 Wire Voice Grade Facility Termination			UEPRX	UITV2	18.58	55.39	17.37	27.98	3.51				
	Interoffice Transport - Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPRX	UITVM	0.0174	0.00	0.00						
2 WIRE VOICE GRADE LOOP WITH 2 WIRE LINE PORT (BUS)														
UNE Port/Loop Combination Rates														
	2 Wire VG Loop/Port Combo Zone 1	1					14.18							
	2 Wire VG Loop/Port Combo Zone 2	2					18.01							
	2 Wire VG Loop/Port Combo Zone 3	3					23.02							
UNE Loop Rates														
	2 Wire Voice Grade Loop (SL1) Zone 1	1		UEPBX	UEPLX		12.48							
	2 Wire Voice Grade Loop (SL1) Zone 2	2		UEPBX	UEPLX		16.31							
	2 Wire Voice Grade Loop (SL1) Zone 3	3		UEPBX	UEPLX		21.32							
2 Wire Voice Grade Line Port (BUS)														
	2 Wire voice unbundled port without Caller ID - bus			UEPBX	UEPBL	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled port with Caller ID - E484 ID - bus			UEPBX	UEPBC	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled port outgoing only - bus			UEPBX	UEPBO	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice Grade unbundled Tennessee extended local dialing party port with Caller ID - bus			UEPBX	UEPAV	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled incoming only port with Caller ID - Bus			UEPBX	UEPB1	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled Tennessee Bus 2 Way Area Calling Port Economy Option (TACC1)			UEPBX	UEPAC	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled Tennessee Bus 2 Way Area Calling Port Standard Option (TACC2)			UEPBX	UEPAD	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire voice unbundled Tennessee Bus 2 Way Collville and Memphis Local Calling Port (B2F)			UEPBX	UEPAE	1.70	22.14	15.25	8.45	3.91		15.69		
	2 Wire Voice Unbundled Tennessee Business Dialing Plan without Caller ID			UEPBX	UEPWO	1.70	22.14	15.25	8.45	3.91		15.69		
	Tennessee Inward Collville and Memphis Local Calling Plan (BUS)			UEPBX	UEPB2	1.70	22.14	15.25	8.45	3.91		15.69		
	Tennessee 2 Way Collville and Memphis Local Calling Plan (BUS)			UEPBX	UEPB3	1.70	22.14	15.25	8.45	3.91		15.69		

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l			SOME C	SOMAN	SOMAN	SOMAN
	2 Wire voice unbundled incoming Only Port without Caller ID Capability			UEPBX	UEPBE	1.70	22.14	15.25	8.45	3.91		15.69				
	LOCAL NUMBER PORTABILITY															
	Local Number Portability (1 per port)			UEPBX	LNPCX	0.35										
	FEATURES															
	All Features Offered			UEPBX	UEPVF	0.00	0.00	0.00				15.69				
	NONRECURRING CHARGES (NRCs) CURRENTLY COMBINED															
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch-as-is			UEPBX	USAC2		1.03	0.29				15.69				
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch with change			UEPBX	USACC		1.03	0.29				15.69				
	2 Wire Voice Grade Loop / Line Port Combination Conversion Subsequent Database Update						0.76					15.69				
	ADDITIONAL NRCs															
	2 Wire Voice Grade Loop/Line Port Combination Subsequent Activity			UEPBX	USAS2	0.00	0.00	0.00				15.69				
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPBX	URETL		8.33	0.83					20.35	10.54	13.32	13.32
	OFF/ON PREMISES EXTENSION CHANNELS															
	2 Wire Analog Voice Grade Extension Loop - Non-Design		1	UEPBX	UEAEN	13.19	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Extension Loop - Non-Design		2	UEPBX	UEAEN	17.23	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Extension Loop - Non-Design		3	UEPBX	UEAEN	22.53	31.99	20.02	10.65	1.41			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Extension Loop - Design		1	UEPBX	UEAED	16.56	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Extension Loop - Design		2	UEPBX	UEAED	21.63	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	2 Wire Analog Voice Grade Extension Loop - Design		3	UEPBX	UEAED	28.28	75.06	48.20	28.70	17.64			20.35	10.54	13.32	13.32
	INTEROFFICE TRANSPORT															
	Interoffice Transport - Dedicated 2 Wire Voice Grade Facility Termination			UEPBX	U1TV2	18.58	55.39	17.37	27.96	3.51						
	Interoffice Transport - Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPBX	U1TVM	0.0174	0.00	0.00								
	2 WIRE VOICE GRADE LOOP WITH 2 WIRE LINE PORT (RES PBX)															
	UNE Port/Loop Combination Rates															
	2 Wire VG Loop/Port Combo Zone 1		1				14.18									
	2 Wire VG Loop/Port Combo Zone 2		2				18.01									
	2 Wire VG Loop/Port Combo Zone 3		3				23.02									
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEPRG	UEPLX		12.48									
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEPRG	UEPLX		16.31									
	2 Wire Voice Grade Loop (SL 1) Zone 3		3	UEPRG	UEPLX		21.32									
	2 Wire Voice Grade Line Port Rates (RES PBX)															
	2 Wire VG Unbundled Combination 2 Way PBX Trunk Port Res			UEPRG	UEPRD	1.70	22.14	15.25	8.45	3.91		15.69				
	LOCAL NUMBER PORTABILITY															
	Local Number Portability (1 per port)			UEPRG	LNPCP	3.15	0.00	0.00				15.69				
	FEATURES															
	All Features Offered			UEPRG	UEPVF	0.00	0.00	0.00				15.69				
	NONRECURRING CHARGES (NRCs) CURRENTLY COMBINED															
	2 Wire Voice Grade Loop/ Line Port Combination (PBX) Conversion Switch-As Is			UEPRG	USAC2		1.03	0.29				15.69				
	2 Wire Voice Grade Loop/ Line Port Combination (PBX) Conversion Switch with Change			UEPRG	USACC		1.03	0.29				15.69				
	2 Wire Voice Grade Loop / Line Port Combination Conversion Subsequent Database Update						0.76					15.69				
	ADDITIONAL NRCs															
	2 Wire Voice Grade Loop/ Line Port Combination (PBX) Subsequent Activity			UEPRG	USAS2	0.00	0.00	0.00				15.69				
	PBX Subsequent Activity Change/Rearrange Multiline Hunt Group						14.64	14.64				15.69				
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPRG	URETL		8.33	0.83					20.35	10.54	13.32	13.32
	OFF/ON PREMISES EXTENSION CHANNELS															

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l		SOMECS	SOMAN	SOMAN	SOMAN
												OSS Rates (\$)			
	Local Channel Voice grade per termination		1	UEPRG	P2JHX	16 56	75 06	48 20	26 70	17 64			20 35	10 54	13 32
	Local Channel Voice grade per termination		2	UEPRG	P2JHX	21 63	75 06	48 20	26 70	17 64			20 35	10 54	13 32
	Local Channel Voice grade per termination		3	UEPRG	P2JHX	28 28	75 06	48 20	26 70	17 64			20 35	10 54	13 32
	Non-Wire Direct Serve Channel Voice Grade		SW	UEPRG	SDD2X	10 02	148 84	112 34	73 14	36 65			20 35	10 54	13 32
INTEROFFICE TRANSPORT															
	Interoffice Transport Dedicated 2 Wire Voice Grade Facility Termination			UEPRG	U1TV2	18 58	55 39	17 37	27 96	3 51					
	Interoffice Transport Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPRG	U1TVM	0 0174	0 00	0 00							
2 WIRE VOICE GRADE LOOP WITH 2 WIRE LINE PORT (BUS PBX)															
UNE Port/Loop Combination Rates															
	2 Wire VG Loop/Port Combo Zone 1		1			14 18									
	2-Wire VG Loop/Port Combo Zone 2		2			18 01									
	2 Wire VG Loop/Port Combo Zone 3		3			23 02									
UNE Loop Rates															
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEPPX	UEPLX	12 48									
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEPPX	UEPLX	16 31									
	2 Wire Voice Grade Loop (SL 1) Zone 3		3	UEPPX	UEPLX	21 32									
2 Wire Voice Grade Line Port Rates (BUS PBX)															
	Line Side Unbundled Combination 2 Way PBX Trunk Port Bus			UEPPX	UEPCC	1 70	22 14	15 25	8 45	3 91			15 69		
	Line Side Unbundled Outward PBX Trunk Port Bus			UEPPX	UEPPO	1 70	22 14	15 25	8 45	3 91			15 69		
	Line Side Unbundled Incoming PBX Trunk Port Bus			UEPPX	UEPPI	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX LD Terminal Ports			UEPPX	UEPLD	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 2 Way Combination PBX Tennessee Calling Port			UEPPX	UEPT2	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 1 Way Outgoing PBX Tennessee Calling Port			UEPPX	UEPTO	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 2 Way Combination PBX Usage Port			UEPPX	UEPXA	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX Toll Terminal Hotel Ports			UEPPX	UEPXB	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX LD DDD Terminals Port			UEPPX	UEPXC	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX LD Terminal Switchboard Port			UEPPX	UEPXD	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX LD Terminal Switchboard 100 Capable Port			UEPPX	UEPXE	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Administrative Calling Port			UEPPX	UEPXL	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Room Calling Port			UEPPX	UEPXM	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 1W Out PBX Hotel/Hospital Economy Administrative Calling Port TN Calling Port			UEPPX	UEPXN	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 1 Way Outgoing PBX Hotel/Hospital Discount Room Calling Port			UEPPX	UEPXO	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 1 Way Outgoing PBX Measured Port			UEPPX	UEPXS	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled PBX Collierville and Memphis Calling Port			UEPPX	UEPXU	1 70	22 14	15 25	8 45	3 91			15 69		
	2 Wire Voice Unbundled 2 Way PBX Tennessee RegionServ Calling Port			UEPPX	UEPXV	1 70	22 14	15 25	8 45	3 91			15 69		
	Tennessee PBX 2 Way Combo Each Additional Trunk Collierville and Memphis Local Calling Plan			UEPPX	UEPA6	1 70	22 14	15 25	8 45	3 91			15 69		
	Tennessee PBX 2 Way Combo First Trunk Collierville and Memphis Local Calling Plan			UEPPX	UEPA7	1 70	22 14	15 25	8 45	3 91			15 69		
LOCAL NUMBER PORTABILITY															
	Local Number Portability (1 per port)			UEPPX	LNPCP	3 15	0 00	0 00					15 69		
FEATURES															
	All Features Offered			UEPPX	UEPVF	0 00	0 00	0 00					15 69		
NONRECURRING CHARGES (NRCs) CURRENTLY COMBINED															
	2 Wire Voice Grade Loop Line Port Combination (PBX) Conversion Switch-As-Is			UEPPX	USAC2		1 03	0 29					15 69		
	2 Wire Voice Grade Loop Line Port Combination (PBX) Conversion Switch with Change			UEPPX	USACC		1 03	0 29					15 69		



## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee											Attachment 2		Exhibit A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l	Incremental Charge Manual Svc Order vs Electronic-Disc 1st	Incremental Charge Manual Svc Order vs Electronic-Disc Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect			OSS Rates (\$)				
										SOMECS	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	2 Wire Voice Grade Loop / Line Port Combination Conversion Subsequent Database Update						0.76				15.69					
ADDITIONAL NRCS																
	2 Wire Voice Grade Loop/ Line Port Combination (PBX) Subsequent Activity			UEPPX	USAS2	0.00	0.00	0.00			15.69					
	PBX Subsequent Activity Change/Rearrange Multiline Hunt Group						14.64	14.64			15.69					
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPPX	URETL		8.33	0.83				20.35	10.54	13.32	13.32	
OFFICE PREMISES EXTENSION CHANNELS																
	Local Channel Voice grade per termination		1	UEPPX	P2JHX	16.56	75.06	48.20	26.70	17.64		20.35	10.54	13.32	13.32	
	Local Channel Voice grade per termination		2	UEPPX	P2JHX	21.63	75.06	48.20	26.70	17.64		20.35	10.54	13.32	13.32	
	Local Channel Voice grade per termination		3	UEPPX	P2JHX	28.28	75.06	48.20	26.70	17.64		20.35	10.54	13.32	13.32	
	Non Wire Direct Serve Channel Voice Grade		SW	UEPPX	SDD2X	10.02	148.84	112.34	73.14	36.65		20.35	10.54	13.32	13.32	
INTEROFFICE TRANSPORT																
	Interoffice Transport - Dedicated 2 Wire Voice Grade Facility Termination			UEPPX	U1TV2	18.58	55.39	17.37	27.98	3.51						
	Interoffice Transport - Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPPX	U1TVM	0.0174	0.00	0.00								
UNE Port/Loop Combination Rates																
	2 Wire VG Coin Port/Loop Combo - Zone 1		1				14.18									
	2 Wire VG Coin Port/Loop Combo - Zone 2		2				18.01									
	2 Wire VG Coin Port/Loop Combo - Zone 3		3				23.02									
UNE Loop Rates																
	2 Wire Voice Grade Loop (SL1) Zone 1		1	UEPCO	UEPLX	12.48										
	2 Wire Voice Grade Loop (SL1) Zone 2		2	UEPCO	UEPLX	16.31										
	2 Wire Voice Grade Loop (SL1) Zone 3		3	UEPCO	UEPLX	21.32										
2 Wire Voice Grade Line Ports (COIN)																
	2 Wire Coin 2 Way without Operator Screening and without Blocking (TN)			UEPCO	UEPTB	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire Coin 2 Way with Operator Screening and Blocking 011 900/976 1+DDD (NC TN)			UEPCO	UEPRP	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire Coin 2 Way with Operator Screening and 011 Blocking (TN)			UEPCO	UEPTA	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire Coin 2 Way with Operator Screening 900 Blocking 900/976 1+DDD 011+ and Local (NC TN)			UEPCO	UEPCA	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire Coin Outward with Operator Screening and 011 Blocking (TN)			UEPCO	UEPTC	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire Coin Outward with Operator Screening and Blocking 900/976 1+DDD 011+ and Local (TN)			UEPCO	UEPOT	1.70	22.14	15.25	8.45	3.91	15.69					
	2 Wire 2 Way Smartline with 900/976 (all states except LA)			UEPCO	UEPCK	1.88					15.69					
	2 Wire Coin Outward Smartline with 900/976 (all states except LA)			UEPCO	UEPCR	1.88					15.69					
ADDITIONAL UNE COIN PORT/LOOP (RC)																
	UNE Coin Port/Loop Combo Usage (Flat Rate)			UEPCO	URECU	3.45	0.00	0.00	0.00	0.00	15.69					
	Local Number Portability (1 per port)			UEPCO	LNPCX	0.35										
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch-as is			UEPCO	USAC2		1.03	0.29			15.69					
	2 Wire Voice Grade Loop / Line Port Combination Conversion Switch with change			UEPCO	USACC		1.03	0.29			15.69					
	2 Wire Voice Grade Loop/Line Port Combination Subsequent Activity			UEPCO	USAS2	0.00	0.00	0.00			15.69					
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPCO	URETL		8.33	0.83				20.35	10.54	13.32	13.32	
2 WIRE VOICE LOOP/ 2 WIRE VOICE GRADE IO TRANSPORT/ 2 WIRE LINE PORT (RES)																
UNE Port/Loop Combination Rates																
	2 Wire VG Loop/O Transport/Port Combo Zone 1		1				18.45									
	2 Wire VG Loop/O Transport/Port Combo Zone 2		2				23.52									
	2 Wire VG Loop/O Transport/Port Combo Zone 3		3				30.17									
UNE Loop Rates																

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A			
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMECH	SOMAN	Incremental Manual Svc Order vs Electronic 1st	Incremental Manual Svc Order vs Electronic Add'l	Incremental Manual Svc Order vs Electronic Disc 1st	Incremental Manual Svc Order vs Electronic Disc Add'l
														OSS Rates (\$)				
	2 Wire Voice Grade Loop (SL2) Zone 1		1	UEPFR	UECF2	16.56												
	2 Wire Voice Grade Loop (SL2) Zone 2		2	UEPFR	UECF2	21.63												
	2 Wire Voice Grade Loop (SL2) Zone 3		3	UEPFR	UECF2	28.28												
	2 Wire Voice Grade Line Port Rates (Res)																	
	2 Wire voice unbundled port - residence			UEPFR	UEPRL	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled port with Caller ID - res			UEPFR	UEPRC	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled port outgoing only - res			UEPFR	UEPRO	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice Grade unbundled Tennessee extended local dialing party port with Caller ID - res			UEPFR	UEPAQ	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Plus with Caller ID - res (AC7)			UEPFR	UEPAH	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID - res (F2R)			UEPFR	UEPAK	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID - res (TACER)			UEPFR	UEPAL	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID - res (TACSR)			UEPFR	UEPAM	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID - res (1MF2X)			UEPFR	JEPAN	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Area Calling port with Caller ID - res (2MR)			UEPFR	UEPAO	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled res - low usage line port with Caller ID (LUM)			UEPFR	UEPAP	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire Voice Unbundled Tennessee Residence Dialing Plan without Caller ID			UEPFR	UEPWN	1.89	84.99	57.39	32.36	20.56		15.69						
	INTEROFFICE TRANSPORT																	
	Interoffice Transport Dedicated 2 Wire Voice Grade Facility Termination			UEPFR	UITV2	18.58	55.39	17.37	27.96	3.51								
	Interoffice Transport Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPFR	1LSXX	0.0174												
	FEATURES																	
	All Features Offered			UEPFR	UEPVF	0.00	0.00	0.00				15.69						
	LOCAL NUMBER PORTABILITY																	
	Local Number Portability (1 per port)			UEPFR	LNPCX	0.35												
	NONRECURRING CHARGES (NRCA) CURRENTLY COMBINED																	
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch as is			UEPFR	USAC2		16.94	3.72				15.69						
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch With-Change			UEPFR	USACC		16.94	3.72				15.69						
	Unbundled Miscellaneous Rate Element Tag Designed Loop at End User Premise			UEPFR	URETN		11.23	1.10					20.35	10.54	13.32	13.32		
	2 WIRE VOICE LOOP/ 2 WIRE VOICE GRADE IO TRANSPORT/ 2 WIRE LINE PORT (BUS)																	
	UNE Port/Loop Combination Rates																	
	2 Wire VG Loop/IO Transport/Port Combo Zone 1		1			18.45												
	2 Wire VG Loop/IO Transport/Port Combo Zone 2		2			23.52												
	2 Wire VG Loop/IO Transport/Port Combo Zone 3		3			30.17												
	UNE Loop Rates																	
	2 Wire Voice Grade Loop (SL2) Zone 1		1	UEPFB	UECF2	16.56												
	2 Wire Voice Grade Loop (SL2) Zone 2		2	UEPFB	UECF2	21.63												
	2 Wire Voice Grade Loop (SL2) Zone 3		3	UEPFB	UECF2	28.28												
	2 Wire Voice Grade Line Port (Bus)																	
	2 Wire voice unbundled port without Caller ID - bus			UEPFB	UEPBL	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled port with Caller ID - bus			UEPFB	UEPBC	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled port outgoing only - bus			UEPFB	UEPBO	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice Grade unbundled Tennessee extended local dialing party port with Caller ID - bus			UEPFB	UEPAV	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled incoming only port with Caller ID - Bus			UEPFB	UEPB1	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Bus 2-Way Area Calling Port Economy Option (TACC1)			UEPFB	UEPAC	1.89	84.99	57.39	32.36	20.56		15.69						

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee											Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)							SOME C	SOMAN	Incremental Charge Manual Svc Order vs. Electronic- 1st	Incremental Charge Manual Svc Order vs Electronic- Add'l	Incremental Charge Manual Svc Order vs Electronic- Disc 1st	Incremental Charge Manual Svc Order vs Electronic- Disc Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l								
													OSS Rates (\$)					
													SOMAN	SOMAN				
	2 Wire voice unbundled Tennessee Bus 2 Way Area Calling Port Standard Option (TACC2)			UEPFB	UEPAD	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire voice unbundled Tennessee Bus 2 Way Collierville and Memphis Local Calling Port (B2F)			UEPFB	UEPAE	1.89	84.99	57.39	32.36	20.56		15.69						
	2 Wire Voice Unbundled Tennessee Business Dialing Plan without Caller ID			UEPFB	UEPWO	1.89	84.99	57.39	32.36	20.56		15.69						
	Tennessee Inward Collierville and Memphis Local Calling Plan (BUS)			UEPFB	UEPB2	1.89	84.99	57.39	32.36	20.56		15.69						
	Tennessee 2 Way Collierville and Memphis Local Calling Plan (BUS)			UEPFB	UEPB3	1.89	84.99	57.39	32.36	20.56		15.69						
	LOCAL NUMBER PORTABILITY																	
	Local Number Portability (1 per port)			UEPFB	LNPCX	0.35												
	INTEROFFICE TRANSPORT																	
	Interoffice Transport Dedicated 2 Wire Voice Grade Facility Termination			UEPFB	UITV2	18.58	55.39	17.37	27.96	3.51								
	Interoffice Transport Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPFB	1LSXX	0.0174												
	FEATURES																	
	All Features Offered			UEPFB	UEPVF	0.00	0.00	0.00				15.69						
	NONRECURRING CHARGES (NRCs) CURRENTLY COMBINED																	
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch as-is			UEPFB	USAC2		16.94	3.72				15.69						
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch with change			UEPFB	USACC		16.94	3.72				15.69						
	Unbundled Miscellaneous Rate Element Tag Designed Loop at End User Premise			UEPFB	URETN		11.23	1.10					20.35	10.54	13.32	13.32		
	2 WIRE VOICE LOOP/2 WIRE VOICE GRADE IO TRANSPORT/2 WIRE LINE PORT (PBX)																	
	UNE Port/Loop Combination Rates																	
	2 Wire VG Loop/IO Transport/Port Combo Zone 1		1				18.45											
	2 Wire VG Loop/IO Transport/Port Combo Zone 2		2				23.52											
	2 Wire VG Loop/IO Transport/Port Combo Zone 3		3				30.17											
	UNE Loop Rates																	
	2 Wire Voice Grade Loop (SL2) Zone 1		1	UEPFP	UECF2		16.56											
	2 Wire Voice Grade Loop (SL2) Zone 2		2	UEPFP	UECF2		21.63											
	2 Wire Voice Grade Loop (SL2) Zone 3		3	UEPFP	UECF2		28.28											
	2 Wire Voice Grade Line Port Rates (BUS PBX)																	
	Line Side Unbundled Combination 2 Way PBX Trunk Port Bus			UEFPF	UEPPC	1.79	106.40	63.08	42.67	18.54		15.69						
	Line Side Unbundled Outward PBX Trunk Port Bus			UEFPF	UEPPD	1.79	106.40	63.08	42.67	18.54		15.69						
	Line Side Unbundled Incoming PBX Trunk Port Bus			UEFPF	UEPPI	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled PBX LD Terminal Ports			UEFPF	UEPLD	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 2 Way Combination PBX Tennessee Calling Port			UEFPF	UEPT2	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 1 Way Outgoing PBX Tennessee Calling Port			UEFPF	UEPTO	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 2 Way Combination PBX Usage Port			UEFPF	UEPTX	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled PBX Toll Terminal Hotel Ports			UEFPF	UEPXB	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled PBX LD DDD Terminals Port			UEFPF	UEPXC	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled PBX LD Terminal Switchboard Port			UEFPF	UEPXD	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled PBX LD Terminal Switchboard IDD Capable Port			UEFPF	UEPXE	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Administrative Calling Port			UEFPF	UEPYL	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 2 Way PBX Hotel/Hospital Economy Room Calling Port			UEFPF	UEPYM	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 1W Out PBX Hotel/Hospital Economy Administrative Calling Port TN Calling Port			UEFPF	UEPYN	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 1 Way Outgoing PBX Hotel/Hospital Discount Room Calling Port			UEFPF	UEPYO	1.79	106.40	63.08	42.67	18.54		15.69						
	2 Wire Voice Unbundled 1 Way Outgoing PBX Measured Port			UEFPF	UEPXS	1.79	106.40	63.08	42.67	18.54		15.69						

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee															
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2 Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l	Exhibit A Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Disconnect Add'l	SOMECH	SOMAN	SOMAN	SOMAN	SOMAN
	2 Wire Voice Unbundled PBX Collierville and Memphis Calling Port			UEPFP	UEPXU	1.79	106.40	63.08	42.67	18.54		15.69			
	2 Wire Voice Unbundled 2 Way PBX Tennessee RegionServ Calling Port			UEPFP	UEPXV	1.79	106.40	63.08	42.67	18.54		15.69			
	LOCAL NUMBER PORTABILITY														
	Local Number Portability (1 per port)			UEPFP	LNPCP	3.15	0.00	0.00				15.69			
	INTEROFFICE TRANSPORT														
	Interoffice Transport Dedicated 2 Wire Voice Grade Facility Termination			UEPFP	U1TV2	18.58	55.39	17.37	27.96	3.51					
	Interoffice Transport Dedicated 2 Wire Voice Grade Per Mile or Fraction Mile			UEPFP	1L5XX	0.0174									
	FEATURES														
	All Features Offered			UEPFP	UEPVF	0.00	0.00	0.00				15.69			
	NONRECURRING CHARGES (NRCs) - CURRENTLY COMBINED														
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch as-is			UEPFP	USAC2		16.94	3.72				15.69			
	2 Wire Loop / Dedicated IO Transport / 2 Wire Line Port Combination Conversion Switch with change			UEPFP	USACC		16.94	3.72				15.69			
	Unbundled Miscellaneous Rate Element Tag Designed Loop at End User Premise			UEPFP	URETN		11.23	1.10					20.35	10.54	13.32
	UNBUNDLED PORT/LOOP COMBINATIONS COST BASED RATES														
	2 WIRE VOICE GRADE LOOP BUS ONLY WITH 2 WIRE DID TRUNK PORT														
	UNE Port/Loop Combination Rates														
	2 Wire VG Loop/2 Wire DID Trunk Port Combo UNE Zone 1		1				18.38								
	2 Wire VG Loop/2 Wire DID Trunk Port Combo UNE Zone 2		2				19.87								
	2 Wire VG Loop/2 Wire DID Trunk Port Combo UNE Zone 3		3				24.78								
	UNE Loop Rates														
	2 Wire Analog Voice Grade Loop (SL2) UNE Zone 1		1	UEPPX	UECD1		9.60								
	2 Wire Analog Voice Grade Loop (SL2) UNE Zone 2		2	UEPPX	UECD1		11.09								
	2 Wire Analog Voice Grade Loop (SL2) UNE Zone 3		3	UEPPX	UECD1		16.03								
	UNE Port Rate														
	Exchange Ports 2 Wire DID Port			UEPPX	UEPD1	8.78	45.44	28.94	6.45	3.91		30.89	7.03		
	NONRECURRING CHARGES CURRENTLY COMBINED														
	2 Wire Voice Grade Loop / 2 Wire DID Trunk Port Combination Switch-as-is			UEPPX	USAC1		8.76	5.75				30.89	7.03		
	2 Wire Voice Grade Loop / 2 Wire DID Trunk Port Conversion with BellSouth Allowable Changes			UEPPX	USA1C		8.76	5.75				30.89	7.03		
	Unbundled Miscellaneous Rate Element Tag Designed Loop at End User Premise			UEPPX	URETN		11.23	1.10							
	Telephone Number/Trunk Group Establishment Charges														
	DID Trunk Termination (One Per Port)			UEPPX	NDT	0.00	0.00	0.00							
	Additional DID Numbers for each Group of 20 DID Numbers			UEPPX	ND4	0.00	0.00	0.00							
	DID Numbers Non-consecutive DID Numbers Per Number			UEPPX	ND5	0.00	0.00	0.00							
	Reserve Non Consecutive DID Numbers			UEPPX	ND6	0.00	0.00	0.00							
	Reserve DID Numbers			UEPPX	NDV	0.00	0.00	0.00							
	LOCAL NUMBER PORTABILITY														
	Local Number Portability (1 per port)			UEPPX	LNPCP	3.15	0.00	0.00							
	2 WIRE ISDN DIGITAL GRADE LOOP WITH 2 WIRE ISDN DIGITAL LINE SIDE PORT														
	UNE Port/Loop Combination Rates														
	2W ISDN Digital Grade Loop/2W ISDN Digital Line Side Port UNE Zone 1		1	UEPPB	UEPPR		32.27								
	2W ISDN Digital Grade Loop/2W ISDN Digital Line Side Port UNE Zone 2		2	UEPPB	UEPPR		34.78								
	2W ISDN Digital Grade Loop/2W ISDN Digital Line Side Port UNE Zone 3		3	UEPPB	UEPPR		44.32								
	UNE Loop Rates														
	2 Wire ISDN Digital Grade Loop UNE Zone 1		1	UEPPB	UEPPR	USL2X	16.20								
	2 Wire ISDN Digital Grade Loop UNE Zone 2		2	UEPPB	UEPPR	USL2X	18.71								
	2 Wire ISDN Digital Grade Loop UNE Zone 3		3	UEPPB	UEPPR	USL2X	28.25								

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																Attachment: 2		Exhibit A	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)				Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l				
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN				
	UNE Port Rate																		
	Exchange Port 2 Wire ISDN Line Side Port			UEPPB UEPPR	UEPPB	16 07	141 75	118 37	49 20	43 26				19 99	19 99				
	NONRECURRING CHARGES CURRENTLY COMBINED																		
	2 Wire ISDN Digital Grade Loop / 2 Wire ISDN Line Side Port Combination Conversion			UEPPB UEPPR	USACB	0 00	117 23	117 23						19 99	19 99				
	ADDITIONAL NRCs																		
	2 Wire ISDN Loop / 2 Wire ISDN Port Combination Sub Achy Non Feature/Add Trunk			UEPPB UEPPR	USASB		212 88							19 99	19 99				
	Unbundled Miscellaneous Rate Element Tag Designed Loop at End User Premise			UEPPB UEPPR	URETN		11 23	1 10											
	Unbundled Miscellaneous Rate Element Tag Loop at End User Premise			UEPPB UEPPR	URETL		8 33	0 83											
	LOCAL NUMBER PORTABILITY																		
	Local Number Portability (1 per port)			UEPPB UEPPR	LNPCX	0 35	0 00	0 00											
	B CHANNEL USER PROFILE ACCESS																		
	CVS/CSD (DMS/SESS)			UEPPB UEPPR	U1UCA	0 00	0 00	0 00											
	CVS (EWSO)			UEPPB UEPPR	U1UCB	0 00	0 00	0 00											
	CSD			UEPPB UEPPR	U1UCC	0 00	0 00	0 00											
	B-CHANNEL AREA PLUS USER PROFILE ACCESS (AL, KY, LA MS SC MS, & TN)																		
	CVS/CSD (DMS/SESS)			UEPPB UEPPR	U1UCD	0 00	0 00	0 00											
	CVS (EWSO)			UEPPB UEPPR	U1UCF	0 00	0 00	0 00											
	CSD			UEPPB UEPPR	U1UCF	0 00	0 00	0 00											
	USER TERMINAL PROFILE																		
	User Terminal Profile (EWSO only)			UEPPB UEPPR	U1UMA	0 00	0 00	0 00											
	VERTICAL FEATURES																		
	All Vertical Features One per Channel B User Profile			UEPPB UEPPR	UEPVF	0 00	0 00	0 00											
	INTEROFFICE CHANNEL MILEAGE																		
	Interoffice Channel mileage each including first mile and facilities termination			UEPPB UEPPR	M1GNC	17 91	53 99	17 37						19 99	19 99				
	Interoffice Channel mileage each additional mile			UEPPB UEPPR	M1GNM	0 173	0 00	0 00											
	4 WIRE DS1 DIGITAL LOOP WITH 4-WIRE ISDN DS1 DIGITAL TRUNK PORT																		
	The UNE P DS1 combination rates below for in this rate exhibit apply to the embedded base in place as of 10/2/03 until 4/1/04 After 4/1/04 these rates shall revert to tariff rates or a separate commercial agreement.																		
	Requests for 4-Wire DS1 Digital Loop with 4-Wire ISDN DS1 Digital Trunk Port after the effective date of this amendment shall be provided pursuant to a separate agreement or tariff at BellSouth's discretion																		
	UNE Port/Loop Combination Rates																		
	4W DS1 Digital Loop/4W ISDN DS1 Digital Trunk Port UNE Zone 1		1	UEPPP			132 58												
	4W DS1 Digital Loop/4W ISDN DS1 Digital Trunk Port UNE Zone 2		2	UEPPP			150 25												
	4W DS1 Digital Loop/4W ISDN DS1 Digital Trunk Port UNE Zone 3		3	UEPPP			173 44												
	UNE Loop Rates																		
	4 Wire DS1 Digital Loop UNE Zone 1		1	UEPPP	USL4P		57 73												
	4 Wire DS1 Digital Loop UNE Zone 2		2	UEPPP	USL4P		75 40												
	4 Wire DS1 Digital Loop UNE Zone 3		3	UEPPP	USL4P		98 59												
	UNE Port Rate																		
	Exchange Ports 4 Wire ISDN DS1 Port (E 4/1/2004)			UEPPP	UEPPP	74 85	415 53	366 90	89 28	77 43				19 99	19 99				
	NONRECURRING CHARGES CURRENTLY COMBINED																		
	4 Wire DS1 Digital Loop / 4 Wire ISDN DS1 Digital Trunk Port Combination Conversion Switch asus (E 4/1/2004)			UEPPP	USACP	0 00	328 53	328 53						19 99	19 99				
	ADDITIONAL NRCs																		
	4 Wire DS1 Loop/4 W ISDN Digi Trk Port Subst Actvy Inward/Two way Tel Nos (except NC)			UEPPP	PR7TF		0 94							19 99	19 99				
	4 Wire DS1 Loop / 4 Wire ISDN DS1 Digital Trunk Port Outward Tel Numbers (All States except NC)			UEPPP	PR7TO		22 36	22 36						19 99	19 99				
	4 Wire DS1 Loop / 4 Wire ISDN DS1 Digital Trk Port Subsequent Inward Tel Numbers			UEPPP	PR7ZT		44 71	44 70						19 99	19 99				
	LOCAL NUMBER PORTABILITY																		
	Local Number Portability (1 per port)			UEPPP	LNPCN	175													
	INTERFACE (Provisioning Only)																		
	Voice/Data			UEPPP	PR71V	0 00	0 00	0 00											

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

## UNBUNDLED NETWORK ELEMENTS - Tennessee

CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l			Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs. Electronic Add'l	Incremental Charge Manual Svc Order vs. Electronic-1st	Incremental Charge - Manual Svc Order vs. Electronic Disc Add'l
	Digital Data			UEPPP	PR71D	0.00	0.00	0.00								
	Inward Data			UEPPP	PR71E	0.00	0.00	0.00								
	New or Additional "B" Channel															
	New or Additional Voice/Data B Channel			UEPPP	PR7BV	0.00	28.39						19.99	19.99		
	New or Additional Digital Data B Channel			UEPPP	PR7BF	0.00	29.11						19.99	19.99		
	New or Additional Inward Data B Channel			UEPPP	PR7BD	0.00	29.39						19.99	19.99		
	CALL TYPES															
	Inward			UEPPP	PR7C1	0.00	0.00	0.00								
	Outward			UEPPP	PR7CO	0.00	0.00	0.00								
	Two-way			UEPPP	PR7CC	0.00	0.00	0.00								
	Interoffice Channel Mileage															
	Fixed Each Including First Mile			UEPPP	1LN1A	76.1825	145.98	109.85	19.55				19.99	19.99		
	Each Airline-Fractional Additional Mile			UEPPP	1LN1B	0.3525										
	4-WIRE DS1 DIGITAL LOOP WITH 4-WIRE DDITS TRUNK PORT															
The UNE P DS1 combination rates below for in this rate exhibit apply to the embedded base in place as of 10/2/03 until 4/1/04. After 4/1/04 these rates shall revert to tariff rates or a separate commercial agreement.																
Requests for 4 Wire DS1 Digital Loop with 4-Wire DDITS after the effective date of this amendment shall be provided pursuant to a separate agreement or tariff at BellSouth's discretion																
	UNE Port/Loop Combination Rates															
	4W DS1 Digital Loop/4W DDITS Trunk Port UNE Zone 1		1	UEPDC			93.28						19.99	19.99		
	4W DS1 Digital Loop/4W DDITS Trunk Port UNE Zone 2		2	UEPDC			110.95						19.99	19.99		
	4W DS1 Digital Loop/4W DDITS Trunk Port UNE Zone 3		3	UEPDC			134.14						19.99	19.99		
	UNE Loop Rates															
	4 Wire DS1 Digital Loop UNE Zone 1		1	UEPDC	USLDC		57.53									
	4 Wire DS1 Digital Loop UNE Zone 2		2	UEPDC	USLDC		75.40									
	4 Wire DS1 Digital Loop UNE Zone 3		3	UEPDC	USLDC		98.59									
	UNE Port Rate															
	4 Wire DDITS Digital Trunk Port (E 4/1/2004)			UEPDC	UDD1T	35.55	342.80	257.87	61.41	48.49			19.99	19.99		
	NONRECURRING CHARGES CURRENTLY COMBINED															
	4 Wire DS1 Digital Loop / 4 Wire DDITS Trunk Port Combination Switches (E 4/1/2004)			UEPDC	USAC4		312.91	312.91					19.99	19.99		
	4 Wire DS1 Digital Loop / 4 Wire DDITS Trunk Port Combination Conversion with DS1 Changes (E 4/1/2004)			UEPDC	USAWA		312.91	312.91					19.99	19.99		
	4 Wire DS1 Digital Loop / 4 Wire DDITS Trunk Port Combination Conversion with Change Trunk (E 4/1/2004)			UEPDC	USAWB		312.91	312.91					19.99	19.99		
	ADDITIONAL NRCs															
	4 Wire DS1 Loop / 4 Wire DDITS Trunk Port Subsequent Service Activity Per Service Order			UEPDC	USAS4		94.88	94.88								
	4 Wire DS1 Loop / 4 Wire DDITS Trunk Port NRC - Subsequent Channel Activation/Chan 2 Way Trunk			UEPDC	UDTTA		108.67	108.67					19.99	19.99		
	4 Wire DS1 Loop / 4 Wire DDITS Trunk Port Subsequent Channel Activation/Chan 1 Way Outward Trunk			UEPDC	UDTTB		108.67	108.67					19.99	19.99		
	4-Wire DS1 Loop / 4 Wire DDITS Trunk Port Subsequent Channel Activation/Chan Inward Trunk w/out DID			UEPDC	UDTTC		108.67	108.67					19.99	19.99		
	4 Wire DS1 Loop / 4 Wire DDITS Trunk Port Subsequent Chan Activation Per Chan - Inward Trunk with DID			UEPDC	UDTTD		108.67	108.67					19.99	19.99		
	4 Wire DS1 Loop / 4 Wire DDITS Trunk Port Subsequent Chan Activation / Chan 2 Way DID w User Trans			UEPDC	UDITE		108.67	108.67					19.99	19.99		
	BIPOLAR & ZERO SUBSTITUTION															
	BRZS Superframe Format			UEPDC	CCOSF		0.00	590.00s					19.99	19.99		
	BRZS Extended Superframe Format			UEPDC	CCOEF		0.00	590.00s					19.99	19.99		
	Alternate Mark Inversion															
	AMI Superframe Format			UEPDC	MCOSF		0.00	0.00								
	AMI Extended Superframe Format			UEPDC	MCOPO		0.00	0.00								
	Telephone Number/Trunk Group Establishment Charges															
	Telephone Number for 2 Way Trunk Group			UEPDC	UDTGX	0.00							19.99	19.99		
	Telephone Number for 1 Way Outward Trunk Group			UEPDC	UDTGY	0.00							19.99	19.99		
	Telephone Number for 1 Way Inward Trunk Group Without DID			UEPDC	UDTGZ	0.00							19.99	19.99		
	DID Numbers for each Group of 20 DID Numbers			UEPDC	ND4	0.00							19.99	19.99		
	DID Numbers Non-consecutive DID Numbers Per Number			UEPDC	ND5	0.00							19.99	19.99		
	Reserve Non-Consecutive DID Nos			UEPDC	ND6	0.00	0.00	0.00					19.99	19.99		
	Reserve DID Numbers			UEPDC	NDV	0.00	0.00	0.00								

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)	Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A					
									Incremental Charge - Manual Svc Order vs Electronic 1st	Incremental Charge - Manual Svc Order vs Electronic-Add'l	Incremental Charge - Manual Svc Order vs. Electronic Disc 1st	Incremental Charge - Manual Svc Order vs. Electronic-Disc Add'l				
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
Dedicated DS1 (Interface Channel Mileage) FX/FCO for 4-Wire DS1 Digital Loop with 4-Wire DDITS Trunk Port																
	Interface Channel Mileage Fixed rate 0-8 miles (Facilities Termination)			UEPDC	1LNO1	75.83	145.98	109.85	19.65	14.99						
	Interface Channel Mileage Additional rate per mile - 0.8 miles			UEPDC	1LNOA	0.3525	0.00	0.00								
	Interface Channel Mileage Fixed rate 9-25 miles (Facilities Termination)			UEPDC	1LNO2	0.00	0.00	0.00								
	Interface Channel Mileage Additional rate per mile - 9-25 miles			UEPDC	1LNOB	0.3525	0.00	0.00								
	Interface Channel Mileage Fixed rate 25+ miles (Facilities Termination)			UEPDC	1LNO3	0.00	0.00	0.00								
	Interface Channel Mileage Additional rate per mile - 25+ miles			UEPDC	1LNOC	0.3525	0.00	0.00								
	Local Number Portability per DS0 Activated			UEPDC	LNPCP	3.15	0.00	0.00								
	Central Office Terminating Point			UEPDC	CTG	0.00										
4-WIRE DS1 LOOP WITH CHANNELIZATION WITH PORT																
System is 1 DS1 Loop, 1 D4 Channel Bank and up to 24 Feature Activations																
Each System can have up to 24 combinations of rates depending on type and number of ports used																
The UNE-P DS1 combination rates below for 4-Wire DS1 Loop with Channelization with Port in this rate exhibit apply to the embedded base in place as of 10/2/03 until 4/1/04. After 4/1/04 these rates shall revert to tariff rates or a separate agreement.																
Requests for 4 Wire DS1 Loop with Channelization with Port after the effective date of this amendment shall be provided pursuant to a separate agreement or tariff at BellSouth's discretion																
UNE DS1 Loop																
	4 Wire DS1 Loop UNE Zone 1		1	UEPMG	USLDC	57.73	0.00	0.00								
	4 Wire DS1 Loop UNE Zone 2		2	UEPMG	USLDC	75.40	0.00	0.00								
	4 Wire DS1 Loop UNE Zone 3		3	UEPMG	USLDC	98.59	0.00	0.00								
UNE DS0 Channelization Capacities (D4 Channel Bank Configurations)																
	24 DS0 Channel Capacity - 1 per DS1			UEPMG	VUM24	131.87	0.00	0.00					19.99	19.99		
	48 DS0 Channel Capacity - 1 per 2 DS1s			UEPMG	VUM48	263.74	0.00	0.00					19.99	19.99		
	96 DS0 Channel Capacity - 1 per 4 DS1s			UEPMG	VUM96	527.48	0.00	0.00					19.99	19.99		
	144 DS0 Channel Capacity - 1 per 6 DS1s			UEPMG	VUM144	791.42	0.00	0.00					19.99	19.99		
	192 DS0 Channel Capacity - 1 per 8 DS1s			UEPMG	VUM192	827.76	0.00	0.00					19.99	19.99		
	240 DS0 Channel Capacity - 1 per 10 DS1s			UEPMG	VUM240	1,318.70	0.00	0.00					19.99	19.99		
	288 DS0 Channel Capacity - 1 per 12 DS1s			UEPMG	VUM288	1,562.44	0.00	0.00					19.99	19.99		
	384 DS0 Channel Capacity - 1 per 16 DS1s			UEPMG	VUM384	2,109.92	0.00	0.00					19.99	19.99		
	480 DS0 Channel Capacity - 1 per 20 DS1s			UEPMG	VUM480	2,637.40	0.00	0.00					19.99	19.99		
	576 DS0 Channel Capacity - 1 per 24 DS1s			UEPMG	VUM576	3,164.88	0.00	0.00					19.99	19.99		
	672 DS0 Channel Capacity - 1 per 28 DS1s			UEPMG	VUM672	3,692.36	0.00	0.00					19.99	19.99		
Non Recurring Charges (NRC) Associated with 4-Wire DS1 Loop with Channelization with Port Conversion Charge Based on a System																
A Minimum System configuration is One (1) DS1 One (1) D4 Channel Bank and Up To 24 DS0 Ports with Feature Activations																
Multiples of this configuration functioning as one are considered Add'l after the minimum system configuration is counted																
	NRC Conversion (Currently Combined with or without BellSouth Allowed Changes)			UEPMG	USAC4	0.00	303.61	15.74					19.99	19.99		
System Additions at End User Locations Where 4-Wire DS1 Loop with Channelization with Port Combination Currently Exists and																
New (Not Currently Combined) in all states except in Density Zone 1 of Top 8 MSA's																
	1 DS1/D4 Channel Bank Additionally Add NRC for each Port and Assoc Fee Activation (E 4/1/2004)			UEPMG	VUMD4	0.00	704.68	441.48	138.36	16.41			19.99			
Bipolar 8 Zero Substitution																
	Clear Channel Capability Format superframe Subsequent Activity Only			UEPMG	CCOSF	0.00	0.00	590.00s								
	Clear Channel Capability Format Extended Superframe Subsequent Activity Only			UEPMG	CCOEF	0.00	0.00	590.00s								
Alternate Mark Inversion (AMI)																
	Superframe Format			UEPMG	MCOSF	0.00	0.00	0.00								
	Extended Superframe Format			UEPMG	MCOPO	0.00	0.00	0.00								
Exchange Ports Associated with 4-Wire DS1 Loop with Channelization with Port																
Exchange Ports																
	Line Side Combination Channelized PBX Trunk Port Business (E 4/1/2004)			UEPPX	UEPCX	1.70	0.00	0.00	0.00	0.00			30.89	7.03		
	Line Side Outward Channelized PBX Trunk Port Business (E 4/1/2004)			UEPPX	UEPOX	1.70	0.00	0.00	0.00	0.00			30.89	7.03		

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee											Attachment 2		Exhibit A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge Manual Svc Order vs Electronic Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l	SOMECH	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	Line Side Inward Only Channelized PBX Trunk Port without DID (E 4/1/2004)			UEPPX	UEP1X	1.70	0.00	0.00	0.00	0.00				30.89	7.03	
	2 Wire Trunk Side Unbundled Channelized DID Trunk Port (E 4/1/2004)			UEPPX	UEPDM	8.97	0.00	0.00	0.00	0.00				30.89	7.03	
	Unbundled Exchange Ports 2 Wire Channelized - Outdial - (AL KY LA MS & TN)(Conversion from Network Access Service) (E 4/1/2004)			UEPPX	UEPCY	1.70	0.00	0.00	0.00	0.00				30.89	7.03	
	Unbundled Exchange Ports 2 Wire Channelized - Combination (AL KY LA MS & TN) (Conversion from Network Access Service) (E 4/1/2004)			UEPPX	UEPCT	1.70	0.00	0.00	0.00	0.00				30.89	7.03	
	Unbundled Exchange Ports 2 Wire Channelized - Outdial - Tennessee Only - Calling Plan Regionserv (E 4/1/2004)			UEPPX	UEPCZ	1.70	0.00	0.00	0.00	0.00				30.89	7.03	
	Unbundled Exchange Ports 2 Wire Channelized - Two Way Tennessee Only - Calling Plan Regionserv (E 4/1/2004)			UEPPX	UEPC6	1.70	0.00	0.00	0.00	0.00				30.89	7.03	
Feature Activations - Unbundled Loop Concentration																
	Feature (Service) Activation for each Line Port Terminated in D4 Bank (includes Q 1.4 P50 1 P 50 498)			UEPPX	1PQWM	2.02	23.94	12.64	3.82	3.80				30.89	7.03	
	Feature (Service) Activation for each Trunk Port Terminated in D4 Bank (includes Q 1.4 P50 1 P 50 498)			UEPPX	1POWU	2.02	73.67	17.37	54.09	10.57				30.89	7.03	
Telephone Number/ Group Establishment Charges for DID Service																
	DID Trunk Termination (1 per Port)			UEPPX	NDT	0.00	0.00	0.00								
	DID Numbers - groups of 20 - Valid all States			UEPPX	ND4	0.00	0.00	0.00								
	Non Consecutive DID Numbers - per number			UEPPX	ND5	0.00	0.00	0.00								
	Reserve Non-Consecutive DID Numbers			UEPPX	ND6	0.00	0.00	0.00								
	Reserve DID Numbers			UEPPX	NDV	0.00	0.00	0.00								
Local Number Portability																
	Local Number Portability - 1 per port			UEPPX	LNPCP	3.15	0.00	0.00								
FEATURES - Vertical and Optional																
Local Switching Features Offered with Line Side Ports Only																
	[All Features Available]			UEPPX	UEPVF	0.00	0.00	0.00								
UNBUNDLED CENTREX PORT/LOOP COMBINATIONS - COST BASED RATES																
1 Cost Based Rates are applied where BellSouth is required by FCC and/or State Commission rule to provide Unbundled Local Switching or Switch Ports.																
2 Features shall apply to the Unbundled Port/Loop Combination - Cost Based Rate section in the same manner as they are applied to the Stand Alone Unbundled Port section of this Rate Exhibit																
3 End Office and Tandem Switching Usage and Common Transport Usage rates in the Port section of this rate exhibit shall apply to all combinations of loop/port network elements except for UNE Coin Port/Loop Combinations																
4 The first and additional Port nonrecurring charges apply to Not Currently Combined Combos - For Currently Combined Combos the nonrecurring charges shall be those identified in the Nonrecurring - Currently Combined sections - Additional NRCs may apply also and are categorized accordingly																
5 Market Rates for Unbundled Centrex Port/Loop Combination will be negotiated on an individual case basis, until further notice																
UNE-P CENTREX - 1AESS (Valid in AL,FL,GA,KY,LA,MS,&TN only)																
2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Combo																
UNE Port/Loop Combination Rates (Non Design)																
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		1	UEP91		14.18										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non-Design		2	UEP91		18.01										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non-Design		3	UEP91		23.02										
UNE Port/Loop Combination Rates (Design)																
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		1	UEP91		18.26										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		2	UEP91		23.33										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		3	UEP91		26.98										
UNE Loop Rate																
	2 Wire Voice Grade Loop (SL 1) - Zone 1		1	UEP91	UECS1	12.48										
	2 Wire Voice Grade Loop (SL 1) - Zone 2		2	UEP91	UECS1	16.31										
	2 Wire Voice Grade Loop (SL 1) - Zone 3		3	UEP91	UECS1	21.32										
	2 Wire Voice Grade Loop (SL 2) - Zone 1		1	UEP91	UECS2	16.56										
	2 Wire Voice Grade Loop (SL 2) - Zone 2		2	UEP91	UECS2	21.63										
	2 Wire Voice Grade Loop (SL 2) - Zone 3		3	UEP91	UECS2	26.28										



# INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																	Attachment 2		Exhibit A	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge - Manual Svc Order vs. Electronic 1st	Incremental Charge Manual Svc Order vs. Electronic Add'l	Incremental Charge Manual Svc Order vs. Electronic Disc 1st	Incremental Charge Manual Svc Order vs. Electronic Disc Add'l				
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)							
											SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN				
UNE Ports																				
All States (Except North Carolina and Sout Carolina)																				
	2 Wire Voice Grade Port (Centrex ) Basic Local Area			UEP91	UEPYA	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex 800 termination)Basic Local Area			UEP91	UEPYB	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex with Caller ID)Note1 Basic Local Area			UEP91	UEPYH	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) Note 2 3 Basic Local Area			UEP91	UEPYM	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port Diff Serving Wire Center 800 Service Term Basic Local Area			UEP91	UEPYZ	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port terminated in on Megalink or equivalent Basic Local Area			UEP91	UEPY9	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port Terminated on 800 Service Term Basic Local Area			UEP91	UEPY2	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
AL, KY, LA, MS, & TN Only																				
	2 Wire Voice Grade Port (Centrex )			UEP91	UEPQA	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP91	UEPQB	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex with Caller ID)1			UEP91	UEPOH	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center)2 3			UEP91	UEPQM	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port Diff Serving Wire Center 2 3 800 Service Term			UEP91	UEPQZ	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port terminated in on Megalink or equivalent			UEP91	UEPO9	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
	2 Wire Voice Grade Port Terminated on 800 Service Term			UEP91	UEPQ2	1.70	22.14	15.25	8.45	3.91		30.89		7.03						
Local Switching																				
	Centrex Intercom Functionality per port			UEP91	URECS	0.6381														
Local Number Portability																				
	Local Number Portability (1 per port)			UEP91	LNPC	0.35														
Features																				
	All Standard Features Offered per port			UEP91	UEPVF	0.00						30.89		7.03						
	All Select Features Offered per port			UEP91	UEPVS	0.00	433.78					30.89		7.03						
	All Centrex Control Features Offered per port			UEP91	UEPVC	0.00						30.89		7.03						
NARS																				
	Unbundled Network Access Register Combination			UEP91	UARCX	0.00	0.00	0.00	0.00	0.00		0.00		7.03						
	Unbundled Network Access Register Indial			UEP91	UAR1X	0.00	0.00	0.00	0.00	0.00		0.00		7.03						
	Unbundled Network Access Register Outdial			UEP91	UARO1X	0.00	0.00	0.00	0.00	0.00		0.00		7.03						
Miscellaneous Terminations																				
2 Wire Trunk Side																				
	Trunk Side Terminations each			UEP91	CENA6	8.78	22.14	15.25	8.45	3.91		30.89		7.03						
Interoffice Channel Mileage 2 Wire																				
	Interoffice Channel Facilities Termination Voice Grade			UEP91	M1GBC	18.58	22.14	15.25	8.45	3.91		30.89		7.03						
	Interoffice Channel mileage per mile or fraction of mile			UEP91	M1GBM	0.0174														
Feature Activations (DS0) Centrex Loops on Channelized DS1 Service																				
D4 Channel Bank Feature Activations																				
	Feature Activation on D 4 Channel Bank Centrex Loop Slot			UEP91	1PQWS	0.66														
	Feature Activation on D-4 Channel Bank FX line Side Loop Slot			UEP91	1PQW6	0.66														
	Feature Activation on D 4 Channel Bank FX Trunk Side Loop Slot			UEP91	1PQW7	0.66														
	Feature Activation on D 4 Channel Bank Centrex Loop Slot Different Wire Center			UEP91	1PQWP	0.66														
	Feature Activation on D 4 Channel Bank Private Line Loop Slot			UEP91	1PQWV	0.66														
	Feature Activation on D 4 Channel Bank Tjse Line/Trunk Loop Slot			UEP91	1PQWQ	0.66														
	Feature Activation on D 4 Channel Bank WATS Loop Slot			UEP91	1PQWA	0.66														
Non-Recurring Charges (NRC) Associated with UNE P Centrex																				

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS Tennessee											Attachment 2		Exhibit A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic 1st	Incremental Charge Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic Disc Add'l
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l	SOMECS	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	Conversion Currently Combined Switch-As is with allowed changes per port			UEP91	USAC2		1.03	0.29				30.89	7.03			
	New Centrex Standard Common Block			UEP91	M1ACS	0.00	658.60					30.89	7.03			
	New Centrex Customized Common Block			UEP91	M1ACC	0.00	658.60					30.89	7.03			
	Secondary Block per Block			UEP91	M2CC1	0.00	73.55					30.89	7.03			
	NAR Establishment Charge Per Occasion			UEP91	URECA		68.57					30.89	7.03			
Additional Non Recurring Charges (NRC)	Unbundled Miscellaneous Rate Element Tag Loop at End Use Premise			UEP91	URETL		6.33	0.83								
	Unbundled Miscellaneous Rate Element Tag Design Loop at End Use Premise			UEP91	URETN		11.23	1.10								
	UNE P CENTREX SESS (Valid in All States)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Combo															
	UNE Port/Loop Combination Rates (Non Design)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non Design		1	UEP95		14.18										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non Design		2	UEP95		18.01										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non-Design		3	UEP95		23.02										
	UNE Port/Loop Combination Rates (Design)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		1	UEP95		18.26										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		2	UEP95		23.33										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		3	UEP95		29.98										
	UNE Loop Rate															
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEP95	UECS1	12.48										
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEP95	UECS1	16.31										
	2 Wire Voice Grade Loop (SL 1) Zone 3		3	UEP95	UECS1	21.32										
	2 Wire Voice Grade Loop (SL 2) Zone 1		1	UEP95	UECS2	16.56										
	2 Wire Voice Grade Loop (SL 2) Zone 2		2	UEP95	UECS2	21.63										
	2 Wire Voice Grade Loop (SL 2) Zone 3		3	UEP95	UECS2	28.28										
	UNE Port Rate															
	All States															
	2 Wire Voice Grade Port (Centrex ) Basic Local Area			UEP95	UEPYA	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP95	UEPYB	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex with Caller ID)Basic Local Area			UEP95	UEPYH	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center)2 3 Basic Local Area			UEP95	UEPYM	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port Diff Serving Wire Center 2 3 800 Service Term Basic Local Area			UEP95	UEPYZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port terminated in on Megalink or equivalent Basic Local Area			UEP95	UEPY9	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port Terminated on 800 Service Term Basic Local Area			UEP95	JEPY2	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	AL, KY, LA, MS, SC & TN Only															
	2 Wire Voice Grade Port (Centrex )			UEP95	UEPQA	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP95	UEPQB	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex with Caller ID)1			UEP95	UEPQH	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center)2 3			UEP95	UEPQM	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port Diff Serving Wire Center 800 Service Term 2 3			UEP95	UEPQZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port terminated in on Megalink or equivalent			UEP95	UEPQ9	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	2 Wire Voice Grade Port Terminated on 800 Service Term			UEP95	UEPQ2	1.70	22.14	15.25	8.45	3.91		30.89	7.03			
	FL & GA Only															

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee													Attachment 2		Exhibit A			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs. Electronic Add'l	Incremental Charge Manual Svc Order vs. Electronic Disc 1st	Incremental Charge Manual Svc Order vs. Electronic Disc Add'l		
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)					
											SOMEC	SOMAN	SOMAN		SOMAN	SOMAN		
	Local Switching																	
	Centrex Intercom Functionality per port			UEP95	URECS	0.6361												
	Local Number Portability																	
	Local Number Portability (1 per port)			UEP95	LNPC	0.35												
	Features																	
	All Standard Features Offered per port			UEP95	UEPVF	0.00							30.89	7.03				
	All Select Features Offered per port			UEP95	UEPVS	0.00	433.78						30.89	7.03				
	All Centrex Control Features Offered per port			UEP95	UEPVC	0.00							30.89	7.03				
	NARS																	
	Unbundled Network Access Register Combination			UEP95	UARCX	0.00	0.00	0.00	0.00	0.00			0.00	7.03				
	Unbundled Network Access Register Indial			UEP95	UAR1X	0.00	0.00	0.00	0.00	0.00			0.00	7.03				
	Unbundled Network Access Register Outdial			UEP95	UARO1X	0.00	0.00	0.00	0.00	0.00			0.00	7.03				
	Miscellaneous Terminations																	
	2 Wire Trunk Side																	
	Trunk Side Terminations each			UEP95	CEND6	8.78	47.75	47.01	9.21	8.47			30.89	7.03				
	4-Wire Digital (1 544 Megabits)																	
	DS1 Circuit Terminations each			UEP95	M1HD1	35.55	75.93	38.15					30.89	7.03				
	DS3 Channels Activated each			UEP95	M1HDO	0.00	108.67						30.89	7.03				
	Interoffice Channel Mileage - 2 Wire																	
	Interoffice Channel Facilities Termination			UEP95	M1GBC	18.58	22.14	15.25	8.45	3.91			30.89	7.03				
	Interoffice Channel mileage per mile or fraction of mile			UEP95	M1GBM	0.0174												
	Feature Activations (DS0) Centrex Loops on Channelized DS1 Service																	
	D4 Channel Bank Feature Activations																	
	Feature Activation on D-4 Channel Bank Centrex Loop Slot			UEP95	1PQWS	0.66												
	Feature Activation on D-4 Channel Bank FX line Side Loop Slot			UEP95	1PQW6	0.66												
	Feature Activation on D-4 Channel Bank FX Trunk Side Loop Slot			UEP95	1PQW7	0.66												
	Feature Activation on D-4 Channel Bank Centrex Loop Slot Different Wire Center			UEP95	1PQWP	0.66												
	Feature Activation on D-4 Channel Bank Private Line Loop Slot			UEP95	1PQWV	0.66												
	Feature Activation on D-4 Channel Bank Tie Line/Trunk Loop Slot			UEP95	1PQWQ	0.66												
	Feature Activation on D-4 Channel Bank WATS Loop Slot			UEP95	1PQWA	0.66												
	Non-Recurring Charges (NRC) Associated with UNE P Centrex																	
	NRC Conversion Currently Combined Switch-As-Is with allowed changes per port			UEP95	USAC2		1.03	0.29					30.89	7.03				
	New Centrex Standard Common Block			UEP95	M1ACS	0.00	658.60						30.89	7.03				
	New Centrex Customized Common Block			UEP95	M1ACC	0.00	658.60						30.89	7.03				
	NAR Establishment Charge Per Occasion			UEP95	URECA	0.00	68.57						30.89	7.03				
	Additional Non Recurring Charges (NRC)																	
	Unbundled Miscellaneous Rate Element Tag Loop at End Use Premise			UEP95	URETL		8.33	0.83										
	Unbundled Miscellaneous Rate Element Tag Design Loop at End Use Premise			UEP95	URETN		11.23	1.10										
	UNE P CENTREX DMS100 (Valid in All States)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Combo																	
	UNE Port/Loop Combination Rates (Non-Design)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		1	UEP9D			14.18											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non-Design		2	UEP9D			18.01											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Non-Design		3	UEP9D			23.02											
	UNE Port/Loop Combination Rates (Design)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		1	UEP9D			18.26											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		2	UEP9D			23.33											

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A				
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			OSS Rates (\$)	SOMECS	SOMAN	Incremental Charge - Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs Electronic-1st
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex)Port Combo Design		3	UEP9D		39.98													
	UNE Loop Rate																		
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEP9D	UECS1	12.48													
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEP9D	UECS1	16.31													
	2 Wire Voice Grade Loop (SL 1) - Zone 3		3	UEP9D	UECS1	21.32													
	2 Wire Voice Grade Loop (SL 2) Zone 1		1	UEP9D	UECS2	16.56													
	2 Wire Voice Grade Loop (SL 2) Zone 2		2	UEP9D	UECS2	21.63													
	2 Wire Voice Grade Loop (SL 2) Zone 3		3	UEP9D	UECS2	26.28													
	UNE Port Rate																		
	ALL STATES																		
	2 Wire Voice Grade Port (Centrex ) Basic Local Area			UEP9D	UEPYA	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex 800 termination)Basic Local Area			UEP9D	UEPYB	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS PSET1)3Basic Local Area			UEP9D	UEPYC	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5009)3Basic Local Area			UEP9D	UEPYD	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5209)3 Basic Local Area			UEP9D	UEPYE	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5112)3 Basic Local Area			UEP9D	UEPYF	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5312)3Basic Local Area			UEP9D	UEPYG	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5008)3 Basic Local Area			UEP9D	UEPYT	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5208)3 Basic Local Area			UEP9D	UEPYU	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5216)3 Basic Local Area			UEP9D	UEPYV	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5316)3 Basic Local Area			UEP9D	UEPY3	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex with Caller ID) Basic Local Area			UEP9D	UEPYH	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/Caller ID/Msg Wtg Lamp Indication)4 Basic Local Area			UEP9D	UEPYW	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/Msg Wtg Lamp Indication)4 Basic Local Area			UEP9D	UEPYJ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2 3 Basic Local Area			UEP9D	UEPYM	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS PSET)2 3 4 Basic Local Area			UEP9D	UEPYO	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5009)2 3 4 Basic Local Area			UEP9D	UEPYP	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS 5209)2 3 4 Basic Local Area			UEP9D	UEPYQ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5112)2 3 4 Basic Local Area			UEP9D	UEPYR	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5312)2 3 4 Basic Local Area			UEP9D	UEPYS	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5008)2 3 4 Basic Local Area			UEP9D	UEPY4	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5208)2 3 Basic Local Area			UEP9D	UEPY5	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5216)2 3 4 Basic Local Area			UEP9D	UEPY6	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC/EBS M5316)2 3 4 Basic Local Area			UEP9D	UEPY7	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port Diff Serving Wire Center 800 Service Term 2 3			UEP9D	UEPYZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																			
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A				
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect				SOMEC	SOMAN	SOMAN	OSS Rates (\$)		SOMAN	SOMAN
									First	Add'l						SOMAN	SOMAN		
	2 Wire Voice Grade Port terminated in on Megalink or equivalent Basic Local Area			UEP9D	UEPY9	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2-Wire Voice Grade Port Terminated on 800 Service Term. Basic Local Area			UEP9D	UEPY2	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
AL, KY	LA, MS, SC, & TN Only																		
	2 Wire Voice Grade Port (Centrex)			UEP9D	UEPOA	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP9D	UEPOB	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS PSET)4			UEP9D	UEPOC	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5009)4			UEP9D	UEPOD	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5209)4			UEP9D	UEPOE	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS-M5112)4			UEP9D	UEPOF	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5312)4			UEP9D	UEPOG	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5008)4			UEP9D	UEPQT	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5208)4			UEP9D	UEPQU	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5216)4			UEP9D	UEPQV	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex / EBS M5316)4			UEP9D	UEPQ3	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex with Caller ID)			UEP9D	UEPQH	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/Caller ID/Msg Wtg Lamp Indication)4			UEP9D	UEPQW	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/Msg Wtg Lamp Indication)4			UEP9D	UEPQJ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2 3			UEP9D	UEPQM	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS-PSET)2 3 4			UEP9D	UEPQO	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5009)2 3 4			UEP9D	UEPOP	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS 5209)2 3 4			UEP9D	UEPQQ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5112)2 3 4			UEP9D	UEPQR	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5312)2 3 4			UEP9D	UEPQS	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5308)2 3 4			UEP9D	UEPQ4	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5208)2 3 4			UEP9D	UEPQ5	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS M5216)2 3 4			UEP9D	UEPQ6	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port (Centrex/differ SWC /EBS-M5316)2 3 4			UEP9D	UEPQ7	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port Diff Serving Wire Center 800 Service Term 2 3			UEP9D	UEPQZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port terminated in on Megalink or equivalent			UEP9D	UEPQ8	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	2 Wire Voice Grade Port Terminated on 800 Service Term			UEP9D	UEPQ2	1.70	22.14	15.25	8.45	3.91		30.89	7.03						
	Local Switching																		
	Centrex Intercom Functionality per port			UEP9D	URECS	0.6381													
	Local Number Portability																		
	Local Number Portability (1 per port)			UEP9D	LNPC	0.35													
	Features																		
	All Standard Features Offered per port			UEP9D	UEPVF	0.00						30.89	7.03						
	All Select Features Offered per port			UEP9D	UEPVS	0.00	433.78					30.89	7.03						
	All Centrex Control Features Offered per port			UEP9D	UEPVC	0.00						30.89	7.03						
	NARS																		
	Unbundled Network Access Register Combination			UEP9D	UARCX	0.00	0.00	0.00	0.00	0.00		0.00	7.03						
	Unbundled Network Access Register Inward			UEP9D	UARIX	0.00	0.00	0.00	0.00	0.00		0.00	7.03						
	Unbundled Network Access Register Outdial			UEP9D	UAROX	0.00	0.00	0.00	0.00	0.00		0.00	7.03						
	Miscellaneous Terminations																		
	2 Wire Trunk Side																		
	Trunk Side Terminations each			UEP9D	CEND6	8.78	22.14	15.25	8.45	3.91		30.89	7.03						

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A			
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMEC	SOMAN	Incremental Charge - Manual Svc Order vs Electronic-1st	Incremental Charge - Manual Svc Order vs Electronic-Add'l	Incremental Charge - Manual Svc Order vs Electronic-Disc 1st	Incremental Charge - Manual Svc Order vs Electronic-Disc Add'l
															OSS Rates (\$)			
	4 Wire Digital (1.544 Megabits)																	
	DS1 Circuit Terminations, each			UEP9D	M1H01	35.55	75.93	38.15				30.89	7.03					
	DS0 Channels Activated per Channel			UEP9D	M1H00	0.00	108.67					30.89	7.03					
	Interface Channel Mileage - 2 Wire																	
	Interface Channel Facilities Termination			UEP9D	M1G8C	18.58	22.14	15.25	8.45	3.91		30.89	7.03					
	Interface Channel mileage per mile or fraction of mile			UEP9D	M1GBM	0.0174												
	Feature Activations (DS0) Centrex Loops on Channelized DS1 Service																	
	D4 Channel Bank Feature Activations																	
	Feature Activation on D-4 Channel Bank Centrex Loop Slot			UEP9D	1PQWS	0.66												
	Feature Activation on D-4 Channel Bank FX line Side Loop Slot			UEP9D	1PQW6	0.66												
	Feature Activation on D-4 Channel Bank FX Trunk Side Loop Slot			UEP9D	1PQW7	0.66												
	Feature Activation on D-4 Channel Bank Centrex Loop Slot			UEP9D	1PQWP	0.66												
	Different Wire Center			UEP9D	1PQWV	0.66												
	Feature Activation on D-4 Channel Bank Private Line Loop Slot			UEP9D	1PQWV	0.66												
	Feature Activation on D-4 Channel Bank Tie Line/Trunk Loop Slot			UEP9D	1PQWQ	0.66												
	Feature Activation on D-4 Channel Bank WATS Loop Slot			UEP9D	1PQWA	0.66												
	Non-Recurring Charges (NRC) Associated with UNE P Centrex																	
	NRC Conversion Currently Combined Switch-As-Is with allowed changes per port			UEP9D	USAC2		1.03	0.29				30.89	7.03					
	New Centrex Standard Common Block			UEP9D	M1ACS	0.00	658.60					30.89	7.03					
	New Centrex Customized Common Block			UEP9D	M1ACC	0.00	658.60					30.89	7.03					
	NAR Establishment Charge Per Occasion			UEP9D	URECA		68.57					30.89	7.03					
	Additional Non-Recurring Charges (NRC)																	
	Unbundled Miscellaneous Rate Element Tag Loop at End Use Premise			UEP9D	URETL		8.33	0.83										
	Unbundled Miscellaneous Rate Element Tag Design Loop at End Use Premise			UEP9D	URETN		11.23	1.10										
	UNE P CENTREX - EWS0 (Valid in AL, FL, KY, LA, MS & TN)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Combo																	
	UNE Port/Loop Combination Rates (Non-Design)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		1	UEP9E			14.18											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		2	UEP9E			18.01											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		3	UEP9E			23.02											
	UNE Port/Loop Combination Rates (Design)																	
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		1	UEP9E			18.26											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		2	UEP9E			23.33											
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		3	UEP9E			29.98											
	UNE Loop Rate																	
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEP9E	UECS1		12.48											
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEP9E	UECS1		16.31											
	2 Wire Voice Grade Loop (SL 1) Zone 3		3	UEP9E	UECS1		21.32											
	2 Wire Voice Grade Loop (SL 2) Zone 1		1	UEP9E	UECS2		16.56											
	2 Wire Voice Grade Loop (SL 2) Zone 2		2	UEP9E	UECS2		21.63											
	2 Wire Voice Grade Loop (SL 2) Zone 3		3	UEP9E	UECS2		28.28											
	UNE Port Rate																	
	AL, FL, KY, LA, MS & TN only																	
	2 Wire Voice Grade Port (Centrex) Basic Local Area			UEP9E	UEPYA	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port (Centrex 800 termination) Basic Local Area			UEP9E	UEPYB	1.70	22.14	15.25	8.45	3.91		30.89	7.03					

# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																		
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Monthly per LSR	Attachment 2		Exhibit A			
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l			SOMEC	SOMAN	Incremental Charge - Manual Svc Order vs. Electronic 1st	Incremental Charge Manual Svc Order vs. Electronic-Add'l	Incremental Charge Manual Svc Order vs. Electronic Disc 1st	Incremental Charge Manual Svc Order vs. Electronic- Disc Add'l
															OSS Rates (\$)			
	2 Wire Voice Grade Port (Centrex with Caller ID) Basic Local Area			UEP9E	UEPYH	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2.3 Basic Local Area			UEP9E	UEPYM	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port Diff Serving Wire Center 2.3 800 Service Term Basic Local Area			UEP9E	UEPYZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port terminated in on Megalink or equivalent Basic Local Area			UEP9E	UEPY9	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port Terminated on 800 Service Term Basic Local Area			UEP9E	UEPY2	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
AL, KY, LA, MS, & TN Only																		
	2 Wire Voice Grade Port (Centrex )			UEP9E	UEPOA	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP9E	UEPOB	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port (Centrex with Caller ID) 1			UEP9E	UEPOH	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2.3			UEP9E	UEPOM	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port Diff Serving Wire Center 2.3 800 Service Term			UEP9E	UEPOZ	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port terminated in on Megalink or equivalent			UEP9E	UEPO9	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
	2 Wire Voice Grade Port Terminated on 800 Service Term			UEP9E	UEPO7	1.70	22.14	15.25	8.45	3.91		30.89	7.03					
Local Switching																		
	Centrex Intercom Functionality per port			UEP9E	URECS	0.6381												
Local Number Portability																		
	Local Number Portability (1 per port)			UEP9E	LNPC	0.35												
Features																		
	All Standard Features Offered per port			UEP9E	UEPVF	0.00						30.89	7.03					
	All Select Features Offered per port			UEP9E	UEPVS	0.00	433.78					30.89	7.03					
	All Centrex Control Features Offered per port			UEP9E	UEPVC	0.00						30.89	7.03					
NARS																		
	Unbundled Network Access Register Combination			UEP9E	UARCX	0.00	0.00	0.00	0.00	0.00		0.00	7.03					
	Unbundled Network Access Register Indial			UEP9E	UAR1X	0.00	0.00	0.00	0.00	0.00		0.00	7.03					
	Unbundled Network Access Register Outdial			UEP9E	UAROX	0.00	0.00	0.00	0.00	0.00		0.00	7.03					
Miscellaneous Terminations																		
2-Wire Trunk Side																		
	Trunk Side Terminations each			UEP9E	CEND6	8.78	22.14	15.25	8.45	3.91		30.89	7.03					
4-Wire Digital (1.544 Megabits)																		
	DS1 Circuit Terminations each			UEP9E	M1HD1	35.55	75.93	38.15				30.89	7.03					
	DS0 Channel Activated Per Channel			UEP9E	M1HDO	0.00	108.67					30.89	7.03					
Interoffice Channel Mileage 2 Wire																		
	Interoffice Channel Facilities Termination			UEP9E	M1GBC	18.58	22.14	15.25	8.45	3.91		30.89	7.03					
	Interoffice Channel mileage per mile or fraction of mile			UEP9E	M1GBM	0.0174												
Feature Activations (DS0) Centrex Loops on Channelized DS1 Service																		
D4 Channel Bank Feature Activations																		
	Feature Activation on D 4 Channel Bank Centrex Loop Slot			UEP9E	1PQWS	0.66												
	Feature Activation on D 4 Channel Bank FX line Side Loop Slot			UEP9E	1PQW6	0.66												
	Feature Activation on D 4 Channel Bank FX Trunk Side Loop Slot			UEP9E	1PQW7	0.66												
	Feature Activation on D-4 Channel Bank Centrex Loop Slot Different Wire Center			UEP9E	1PQWP	0.66												
	Feature Activation on D 4 Channel Bank Private Line Loop Slot			UEP9E	1PQWV	0.66												
	Feature Activation on D-4 Channel Bank Tj/e Line/Trunk Loop Slot			UEP9E	1PQWQ	0.66												
	Feature Activation on D-4 Channel Bank WATS Loop Slot			UEP9E	1PQWA	0.66												
Non Recurring Charges (NRC) Associated with UNE P Centrex																		
	NRC Conversion Currency Combined Switch As-Is with allowed changes per port			UEP9E	USAC2		1.03	0.29				30.89	7.03					
	New Centrex Standard Common Block			UEP9E	M1ACS	0.00	658.60					30.89	7.03					

## INTERCONNECTION AGREEMENT - UNE RATES

## EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Attachment 2		Exhibit A	
						Rec	Nonrecurring First	Add'l	Nonrecurring Disconnect First	Add'l			SOMEC	SOMAN	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic-Add'l
	New Centrex Customized Common Block			UEP9E	MTACC	0.00	658.60									
	NAR Establishment Charge Per Occasion			UEP9E	URECA	0.00	68.57									
	Additional Non Recurring Charges (NRC)															
	Unbundled Miscellaneous Rate Element Tag Loop at End Use Premise			UEP9E	URETL		8.33	0.83								
	Unbundled Miscellaneous Rate Element Tag Design Loop at End Use Premise			UEP9E	URETN		11.23	1.10								
	UNE P CENTREX DCO Valid in AL, KY, LA, MS, & TN)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Combo															
	UNE Port/Loop Combination Rates (Non-Design)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non Design		1	UEP93		14.18										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non-Design		2	JEP93		18.01										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Non Design		3	UEP93		23.02										
	UNE Port/Loop Combination Rates (Design)															
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		1	UEP93		18.26										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		2	UEP93		23.33										
	2 Wire VG Loop/2 Wire Voice Grade Port (Centrex) Port Combo Design		3	UEP93		29.98										
	UNE Loop Rate															
	2 Wire Voice Grade Loop (SL 1) Zone 1		1	UEP93	UECS1	12.48										
	2 Wire Voice Grade Loop (SL 1) Zone 2		2	UEP93	UECS1	18.31										
	2 Wire Voice Grade Loop (SL 1) Zone 3		3	UEP93	UECS1	21.32										
	2 Wire Voice Grade Loop (SL 2) Zone 1		1	UEP93	UECS2	16.56										
	2 Wire Voice Grade Loop (SL 2) Zone 2		2	UEP93	UECS2	21.63										
	2 Wire Voice Grade Loop (SL 2) Zone 3		3	UEP93	UECS2	28.28										
	UNE Port Rate															
	AL, KY, LA, MS, & TN only															
	2 Wire Voice Grade Port (Centrex ) Basic Local Area			UEP93	UEPYA	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex 800 termination) Basic Local Area			UEP93	UEPYB	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex with Caller ID) Basic Local Area			UEP93	UEPYH	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2-3 Basic Local Area			UEP93	UEPYM	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port Diff Serving Wire Center 2-3 800 Service Term Basic Local Area			UEP93	UEPYZ	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port terminated in on Megalink or equivalent Basic Local Area			UEP93	UEPY9	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port Terminated on 800 Service Term Basic Local Area			UEP93	UEPY2	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex )			UEP93	UEPQA	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex 800 termination)			UEP93	UEPOB	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex with Caller ID) 1			UEP93	UEPQH	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port (Centrex from diff Serving Wire Center) 2-3			UEP93	UEPQM	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port Diff Serving Wire Center 2-3 800 Service Term			UEP93	UEPOZ	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port terminated in on Megalink or equivalent			UEP93	UEPQ9	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	2 Wire Voice Grade Port Terminated on 800 Service Term			UEP93	UEPO2	1.70	22.14	15.25	8.45	3.91				30.89	7.03	
	Local Switching															
	Centrex Intercom Functionality, per port			UEP93	URECS	0.6381										
	Local Number Portability															
	Local Number Portability (1 per port)			UEP93	LNPPC	0.35										
	Features															



# INTERCONNECTION AGREEMENT - UNE RATES

# EXHIBIT A

UNBUNDLED NETWORK ELEMENTS - Tennessee																	Attachment: 2		Exhibit: A	
CATEGORY	RATE ELEMENTS	Interim	Zone	BCS	USOC	RATES (\$)					Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	Incremental Charge Manual Svc Order vs Electronic-1st	Incremental Charge Manual Svc Order vs Electronic Add'l	Incremental Charge Manual Svc Order vs Electronic Disc 1st	Incremental Charge Manual Svc Order vs Electronic-Disc Add'l				
						Rec	Nonrecurring First	Add'l	Nonrecurring First	Disconnect Add'l	SOME C	SOMAN	SOMAN	OSS Rates (\$)						
	All Standard Features Offered per port			UEP93	UEPVF	0.00														
	All Centrex Control Features Offered per port			UEP93	UEPVC	0.00														
NARS																				
	Unbundled Network Access Register Combination			UEP93	UARCX	0.00	0.00	0.00	0.00	0.00		0.00	7.03							
	Unbundled Network Access Register Initial			UEP93	UARI1X	0.00	0.00	0.00	0.00	0.00		0.00	7.03							
	Unbundled Network Access Register Outdial			UEP93	UARO1X	0.00	0.00	0.00	0.00	0.00		0.00	7.03							
	Miscellaneous Terminations																			
	2 Wire Trunk Side																			
	Trunk Side Terminations each			UEP93	CEND6	8.78	22.14	15.25	8.45	3.91		30.89	7.03							
	4 Wire Digital (1.544 Megabits)																			
	DS1 Circuit Terminations each			UEP93	M1HD1	35.55	75.93	38.15				30.89	7.03							
	DS0 Channels Activated Per Channel			UEP93	M1HDO	0.00	108.67					30.89	7.03							
	Interoffice Channel Mileage 2 Wire																			
	Interoffice Channel Facilities Termination			UEP93	M1GBC	18.58	22.14	15.25	8.45	3.91		30.89	7.03							
	Interoffice Channel mileage per mile or fraction of mile			UEP93	M1GBM	0.0174														
	Feature Activations (DS0) Centrex Loops on Channelized DS1 Service																			
	D4 Channel Bank Feature Activations																			
	Feature Activation on D 4 Channel Bank Centrex Loop Slot			UEP93	1PQWS	0.66														
	Feature Activation on D 4 Channel Bank FX Line Side Loop Slot			UEP93	1PQW6	0.66														
	Feature Activation on D 4 Channel Bank FX Trunk Side Loop Slot			UEP93	1PQW7	0.66														
	Feature Activation on D 4 Channel Bank Centrex Loop Slot - Different Wire Center			UEP93	1PQWP	0.66														
	Feature Activation on D 4 Channel Bank Private Line Loop Slot			UEP93	1PQWV	0.66														
	Feature Activation on D-4 Channel Bank Tie Line/Trunk Loop Slot			UEP93	1PQWQ	0.66														
	Feature Activation on D 4 Channel Bank WATS Loop Slot			UEP93	1PQWA	0.66														
	Non-Recurring Charges (NRC) Associated with UNE P Centrex																			
	NRC Conversion Currently Combined Switch As Is with allowed changes per port			UEP93	USAC2		1.03	0.29				30.89	7.03							
	New Centrex Standard Common Block			UEP93	MIACS	0.00	658.60					30.89	7.03							
	New Centrex Customized Common Block			UEP93	MIACC	0.00	658.60					30.89	7.03							
	NAR Establishment Charge Per Occasion			UEP93	URECA		68.57					30.89	7.03							
	Additional Non Recurring Charges (NRC)																			
	Unbundled Miscellaneous Rate Element Tag Loop at End Use Premise			UEP93	URETL		8.33	0.83												
	Unbundled Miscellaneous Rate Element Tag Design Loop at End Use Premise			UEP93	URETN		11.23	1.10												
Note 1	Required Port for Centrex Control in 1AESS, SESS & EWSD																			
Note 2	Requires Interoffice Channel Mileage																			
Note 3	Installation is combination of Installation charge for SL2 Loop and Port																			
Note 4	Requires Specific Customer Premises Equipment																			
Note	Rates displaying an "R" in Interim column are Interim and subject to rate true-up as set forth in General Terms and Conditions																			

ISSUE NO.	ISSUE DESCRIPTION	US LEC'S POSITION	BELLSOUTH'S POSITION
A-5	<p>(a) How should the vacatur of the FCC Rules and Orders be implemented under this agreement?</p> <p>(b) What rates, terms, and conditions should apply for the transition of unbundled network elements or combinations thereof that are no longer offered pursuant to or no longer in compliance with the New Agreement?</p> <p>(Section 1 5)</p>	<p>US LEC objects to the elimination of Network Elements without a notice provision. In the event a Network Element or service is no longer available under the terms of the Agreement, US LEC seeks a 90 day period from the date that BellSouth provides notice to US LEC of those services that BellSouth considers no longer available under the agreement. Conversion, in addition to rearrangement or disconnection, should be an option as well.</p>	<p>(a) Upon effective date of vacatur, the parties should cooperatively transition the imbedded base of unbundled network elements and combinations thereof and services to tariff services offered pursuant to a separate agreement. Such transition should be completed within 30 days. If US LEC fails to cooperate or refuses to transition its imbedded base within this 30 day period, BellSouth may disconnect services to US LEC but only after giving 30 days additional notice. The appropriate tariff or contract rate should apply from the effective date of the vacatur.</p> <p>(b) US LEC must submit orders to rearrange, disconnect, or convert services within 30 calendar days of execution of the New Agreement. If US LEC fails to submit orders, BellSouth shall provide notice of noncompliance and give US LEC additional 16 days notice to submit orders or the services will be disconnected. If US LEC fails to submit orders within 30 days, US LEC should pay applicable tariff or new contract rate from the effective date of the agreement. US LEC should reimburse BellSouth all costs associated with identifying any services for which orders have not been submitted to be transitioned by US LEC.</p>
A-6	<p>What is the process for asking BellSouth to perform routine network modifications and what charges may BellSouth impose for performing such modifications?</p> <p>(Section 1 7 4)</p>	<p>BellSouth must establish non-discriminatory processes and pricing, consistent with Section 252(d)(2) of the Act, for routine network modifications.</p>	<p>US LEC should submit service inquiries to request routine network modifications to the extent BellSouth does not perform such routine network modifications during normal operations. Each request should be handled on an individual project basis and BellSouth will provide a price quote for such project. BellSouth will perform the requested routine network modifications upon receipt of payment.</p>

ISSUE NO.	ISSUE DESCRIPTION	US LEC'S POSITION	BELLSOUTH'S POSITION
A-7	Is BellSouth required to permit commingling of unbundled network elements or combinations thereof with any service, network or other offering that BellSouth is obligated to make available only pursuant to Section 271 of the Act? (Sections 1 1, 1 7 5)	BellSouth must continue to provide access to unbundled network elements required by Section 271 of the Act under the Agreement even if it no longer is required to provide such elements pursuant to Sections 251 or 252 of the Act or the FCC's rules	No Pursuant to the FCC's errata in the TRO, there is no obligation to commingle with 271 unbundled network elements or services
A-8	Is BellSouth obligated to commingle unbundled network elements or combinations thereof with wholesale services or facilities that are not telecommunications services? (Section 1 8 1)	The definition of "commingling" should track the FCC's rules' definition	No The commingling obligation is limited to telecommunications services and should not be more broadly applied to other services, including services over which the Authority has no jurisdiction
A-9	What rate should apply to multiplexing equipment that is attached to commingled circuits? (Sections 1 8 4)	The multiplexing equipment and Central Office interface Channel interfaces should be billed from the jurisdictional authority of the lower bandwidth service	The multiplexing equipment should be billed from the same agreement or tariff as the higher bandwidth of services attached to the multiplexing equipment
A-12	(a) Is BellSouth obligated to restore the copper loop if it is not technically feasible to do so? (b) What interval should apply to the determination of technical feasibility and provisioning of the loop? (Section 2 1 1 5)	If a copper loop is available, BellSouth is required to restore it to service, and, if it cannot, then it must provide the 64kbps narrowband voice grade channel to US LEC on the same interval as an equivalent Loop without additional costs to US LEC	(a) No (b) BellSouth should have 60 days to determine the technical feasibility of restoring a loop The interval for provisioning such a loop should be mutually negotiated between the parties and based on the physical condition of the loop
A-17	Can BellSouth decline to make available Dark Fiber Loops or Dark Fiber Transport if it has plans to use it within a two- year planning period? (Sections 2 8 6 3 1, 6 4 3 1)	BellSouth should not be permitted to decline to make unbundled dark fiber (either loops or transport) available based on such an extended planning period	If BellSouth has allocated fiber to a defined network planning project for a two year period, said fiber should not be available for use during this two year time period

ISSUE NO.	ISSUE DESCRIPTION	US LEC'S POSITION	BELLSOUTH'S POSITION
A-18	Should there be a limit to the amount that US LEC should pay for a loop to be restored to its original state when US LEC requests that BellSouth modify a loop such that voice services on the loop are significantly degraded? (Section 3 1 8)	BellSouth should apply the same charges to restore the loop that was significantly degraded for the purpose of providing xDSL service as BellSouth charged US LEC to modify the loop for the purpose of providing xDSL service	No US LEC should be required to pay all costs incurred in restoring a loop to its original state
A-19	What rate should apply for currently combined unbundled network elements for which there is no specific rate set forth in the New Agreement for such currently combined unbundled network elements? (Section 5 4 1)	Rates should be negotiated between the parties	The rate should be the sum of the Authority-approved recurring rates for the individual unbundled network elements in addition to the applicable Authority-approved nonrecurring "switch-as-is" charges
A-20	What reference to the FCC's rules should apply to routine network modifications (Section 1 7 4)	47 CFR Part 51 should apply	47 CFR 51 319(a)(8) and (e)(5) should apply
A-21	Can US LEC adopt an agreement that has not been amended to incorporate the TRO when the Change in Law provision of US LEC's current agreement has been triggered?	Yes	No

## CERTIFICATE OF SERVICE

I hereby certify that on April 12, 2004, a copy of the foregoing document was served on the following, via the method indicated:

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☐ Mail  
☐ Facsimile  
☐ Overnight  
☒ Electronic

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