

**INTERCONNECTION AGREEMENT
UNDER SECTIONS 251 AND 252
OF THE
TELECOMMUNICATIONS ACT OF 1996**

This Interconnection Agreement (the "**Agreement**"), is being entered into by and between The Ohio Bell Telephone Company¹ (which uses the registered trade name SBC Ohio) ("**SBC Ohio**"), and Neutral Tandem-Michigan, LLC ("**CLEC**"), (each a "**Party**" and, collectively, the "**Parties**"), pursuant to Sections 251 and 252 of the Telecommunications Act of 1996 ("**the Act**").

RECITALS

WHEREAS, pursuant to Section 252(i) of the Act, CLEC has requested to adopt individual interconnection, service and/or network element arrangement(s) ("**Arrangement(s)**") from the Interconnection Agreement by and between SBC Ohio and AT&T Communications of Ohio, Inc. for the State of Ohio, which was approved by the Public Utilities Commission of Ohio ("**the Commission**") under Section 252(e) of the Act on April 24, 2003 in Case No. 001188TTARB, including any amendments to such Agreement (the "**Separate Agreement**"), which is incorporated herein by reference; and

WHEREAS, pursuant to Section 252(i), the Parties understand and agree that CLEC may sectionally adopt any Arrangements contained in an approved and effective Ohio Agreement that is available for adoption, including any legitimately related terms, with the exception of the reciprocal compensation provisions (and any legitimately related terms) as a result of the FCC's ISP Remand Order² (or other provisions, as applicable);

WHEREAS, based upon the Commission's practice this Agreement is effective upon filing and is deemed approved by operation of law on the 91st day after filing;

WHEREAS, SBC Ohio is making such Arrangement(s) from the Separate Agreement available to CLEC only because of and, to the extent required by, Section 252(i) of the Act under this Agreement; and

WHEREAS, in addition to the Arrangement(s) adopted by CLEC from the Separate Agreement, the Parties have voluntarily negotiated other provisions to this Agreement which are set forth in an Amendment to this Agreement (e.g., including but not limited to reciprocal compensation provisions), which is incorporated herein by this reference, and which is attached hereto and will be submitted to the Commission for approval; and

NOW, THEREFORE, in consideration of the mutual provisions contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CLEC and SBC Ohio hereby agree as follows:

1.0 Incorporation of Recitals and Separate Agreement by Reference

- 1.1 The foregoing Recitals are hereby incorporated into and made a part of this Agreement.
- 1.2 Except as expressly stated herein, the Arrangement(s) adopted by CLEC from the Separate Agreement (including any and all applicable Appendices, Schedules, Exhibits, Attachments and Amendments thereto) are incorporated herein by this reference and form an integral part of this Agreement.

¹ The Ohio Bell Telephone Company ("**Ohio Bell**"), an Ohio corporation, is a wholly-owned subsidiary of SBC Midwest, which owns the former Bell operating companies in the States of Illinois, Indiana, Michigan, Ohio and Wisconsin. Ohio Bell uses the registered trade name SBC Ohio. SBC Midwest is a wholly owned subsidiary of SBC Communications Inc.

² See In the Matter of the Implementation of the Local Competition Provisions in the Federal Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic, CC Docket Nos. 96-98 and 99-68, Order on Remand and Report and Order, FCC 01-131 ("ISP Remand Order"), which was remanded in *WorldCom, Inc. v. FCC*, No. 01-1218 (D.C. Cir. 2002).

2.0 Modifications to Separate Agreement

- 2.1 All references to "AMERITECH INFORMATION INDUSTRY SERVICES, a division of Ameritech Services, Inc. a Delaware Corporation, on behalf of and as agent for" in the Separate Agreement are hereby replaced with "The Ohio Bell Telephone Company (which uses the registered trade name SBC Ohio) ("**SBC Ohio**")", an Ohio corporation" for purposes of this Agreement and SBC Ohio's address of "350 North Orleans, 3rd Floor, Chicago, IL 60654" in the Separate Agreement is hereby replaced with "150 E. Gay St., Room 4-A, Columbus, OH 43215."
- 2.2 References in the Separate Agreement to "CLEC" or to "Other" shall for purposes of this Agreement be deemed to refer to CLEC.
- 2.3 References the Separate Agreement to the "Effective Date," the date of effectiveness thereof and like provisions shall be for purposes of this Agreement (but excluding the title page and Section 29.3) and consistent with Commission practice, deemed to refer to the date this Agreement is filed with the Commission (although this Agreement is subject to Commission approval and will be deemed approved by operation of law on the 91st day after filing). In addition, unless terminated earlier in accordance with the terms of the Agreement, the Termination Date of this Agreement shall be: "May 3, 2006" (the "**Termination Date**"). The change in "Effective Date" within the Agreement is only intended so that the Parties may meet the operation obligations of the Agreement and so it is clear that neither Party may commence operations under the Agreement until after it is effective and is in no way intended to extend the Agreement beyond the Termination Date set forth above. The term "Effective Date" for purposes of Section 29.3 entitled "Amendment or Other Changes to the Act; Reservation of Rights" shall mean the 24th day of April, 2003.
- 2.4 The Notices Section in the Separate Agreement is hereby revised to reflect that Notices should be sent to CLEC under this Agreement at the following address:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Ron Gavillet/Executive VP and General Counsel
STREET ADDRESS	Two North LaSalle Street, Suite 1645
CITY, STATE, ZIP CODE	Chicago, IL 60602
FACSIMILE NUMBER	312 346-3276

- 2.5 The Notices Section in the Separate Agreement is hereby revised to reflect that Notices should be sent to SBC Ohio under this Agreement at the following address:

NOTICE CONTACT	SBC-13STATE CONTACT
NAME/TITLE	Contract Administration ATTN: Notices Manager
STREET ADDRESS	311 S. Akard, 9 th Floor Four SBC Plaza
CITY, STATE, ZIP CODE	Dallas, TX 75202-5398
FACSIMILE NUMBER	214-464-2006

- 2.6 In Section 30.1.1 Authorization, the references to "Ameritech" are replaced with references to "SBC Ohio" and Ameritech's state of incorporation is the state of "Ohio." In Section 30.1.2 after "State of", CLEC's state of incorporation of Delaware should be deemed to be inserted.

3.0 Reservations of Rights

- 3.1 In entering into this MFN Agreement, SBC Ohio does not waive, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights (including intervening law rights asserted by either Party via written

notice as to the Separate Agreement) relating to the following actions, which the Parties have not yet fully incorporated into this MFN Agreement or which may be the subject of further government review: the United States Supreme Court's opinion in *Verizon v. FCC*, et al, 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al ("USTA") v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, the D.C. Circuit's March 2, 2004 decision in *USTA v. FCC*, Case No. 00-1012 (D.C. Cir. 2004); the FCC's Triennial Review Order, released on August 21, 2003, In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers, CC Docket No. 01-338, Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, CC Docket No. 96-98, Deployment of Wireline Services Offering Advanced Telecommunications Capability, CC Docket No. 98-147 (FCC 03-36) and the FCC's Biennial Review Proceeding which the FCC announced, in its Triennial Review Order, is scheduled to commence in 2004; the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking on the topic of Intercarrier Compensation generally, issued In the Matter of Developing a Unified Intercarrier Compensation Regime, in CC Docket 01-92 (Order No. 01-132), on April 27, 2001 (collectively "**Government Actions**"). Notwithstanding anything to the contrary in this MFN Agreement (including any amendments to this MFN Agreement), **SBC Ohio** shall have no obligation to provide UNEs, combinations of UNEs, combinations of UNE(s) and CLEC's own elements or UNEs in commingled arrangements beyond those required by the Act, including the lawful and effective FCC rules and associated FCC and judicial orders. The Parties acknowledge and agree that SBC Ohio has exercised its option to adopt the FCC ISP terminating compensation plan ("**FCC Plan**") in Ohio and as of the date of that election by SBC Ohio, the FCC Plan shall apply to this Agreement, as more specifically provided for in the Negotiated Appendix Reciprocal Compensation (After FCC Order No. 01-131 Agreeing to Exchange All ISP-Bound and Section 251(b)(5) Traffic at the FCC Rates in Certain States, Where Applicable). It is SBC Ohio's position that this MFN Agreement is subject to the change of law provisions permitted under the Federal Rules except to the extent otherwise expressly provided in the MFN Agreement and also is subject to any appeals involving the MFN Agreement. If any action by any state or federal regulatory or legislative body or court of competent jurisdiction invalidates, modifies, or stays the enforcement of laws or regulations that were the basis or rationale for any rate(s), term(s) and/or condition(s) ("**Provisions**") of the MFN Agreement and/or otherwise affects the rights or obligations of either Party that are addressed by the MFN Agreement, specifically including but not limited to those arising with respect to the Government Actions, the affected Provision(s) shall be immediately invalidated, modified or stayed consistent with the action of the regulatory or legislative body or court of competent jurisdiction upon the written request of either Party ("**Written Notice**"). In such event, it is SBC Ohio's position and intent that the Parties immediately incorporate changes from the Separate Agreement, made Ohio's position and intent that the Parties shall expend diligent efforts to incorporate the results of any such action into this MFN Agreement on an interim basis, but shall conform this MFN Agreement to the Separate Agreement, once such changes are filed with the appropriate state commission. With respect to any Written Notices hereunder, Any disputes between the Parties concerning the interpretations of the actions required or the provisions affected shall be handled under the Dispute Resolution Procedures set forth in this MFN Agreement.

- 3.2 SBC Ohio further notes that this Agreement (including all attachments hereto) and every interconnection, service and network element provided hereunder, is subject to all rates, terms and conditions contained in this Agreement (including all attachments hereto) that are legitimately related to such interconnection, service or network element; and all such rates, terms and conditions are incorporated by reference herein and as a part of every interconnection, service and network element provided hereunder. Without limiting the general applicability of the foregoing, the General Terms and Conditions of this Agreement are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed as of this 15 day of June, 2004.

Neutral Tandem-Michigan, LLC

The Ohio Bell Telephone Company d/b/a SBC Ohio
By SBC Telecommunications, Inc., its authorized
agent

By: John Burnicle

By: Mike Auinbaugh

Printed: JOHN BURNICLE

Printed: Mike Auinbaugh

Title: PRESIDENT E.C.O.O.

Title: For/ President – Industry Markets

Date: 6/4/04

Date: JUN 15 2004

FACILITIES-BASED OCN # _____

ACNA _____

INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252
OF THE TELECOMMUNICATIONS ACT OF 1996

Dated: , 2003

By and between

Ohio Bell Telephone Company d/b/a SBC Ameritech Ohio
through its authorized agent SBC Telecommunications, Inc.

And

AT&T Communications of Ohio, Inc.

INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996

This Agreement, which shall become effective as of the _____ day of _____, 2003, is entered into by and between AT&T Communications of Ohio, Inc., an Ohio corporation having an office at 222 West Adams Street, 15th Floor, Chicago, IL 60606 (“**AT&T**”) and Ohio Bell Telephone Company d/b/a SBC Ameritech Ohio, with offices at 227 West Monroe Street, 13th Floor, Chicago, Illinois 60606 (“**SBC-AMERITECH**” or “**Ameritech**” herein) through its authorized agent SBC Telecommunications, Inc.

RECITALS

A. SBC-AMERITECH is an Incumbent Local Exchange Carrier as defined by the Act, authorized to provide certain Telecommunications Services within Ohio.

B. SBC-AMERITECH is engaged in the business of providing, among other things, local Telephone Exchange Service within Ohio.

C. AT&T has been granted authority to provide certain local Telephone Exchange Services within Ohio and is a Local Exchange Carrier as defined by the Act.

D. The Parties are entering into this Agreement to set forth the respective obligations of the parties and the terms and conditions under which the Parties will Interconnect their networks and facilities and provide to each other Telecommunications Services as required by the Act as set forth herein.

NOW, THEREFORE, in consideration of the mutual premises and the covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, AT&T and SBC-AMERITECH hereby agree as follows:

ARTICLE I DEFINITIONS AND CONSTRUCTION

1.0 Definition and Construction.

1.1 Structure. This Agreement includes certain Exhibits and Schedules that immediately follow this Agreement, all of which are hereby incorporated in this Agreement by this reference and constitute a part of this Agreement.

1.2 Defined Terms. Capitalized terms used in this Agreement shall have the respective meanings specified in Schedule 1.2 or as defined elsewhere in this Agreement.

1.3 Interpretation.

- (a) The definitions in Schedule 1.2 shall apply equally to both the singular and plural forms of the terms defined. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words “**include**,” “**includes**” and “**including**” shall be deemed to be followed by the phrase “**without limitation**”. The words “**shall**” and “**will**” are used interchangeably throughout this Agreement and the use of either connotes a mandatory requirement. The use of one or the other shall not mean a different degree or right or obligation for either Party.
- (b) References herein to Articles, Sections, Exhibits and Schedules shall be deemed to be references to Articles and Sections of, and Exhibits and Schedules to, this Agreement unless the context shall otherwise require.
- (c) The headings of the Articles, Sections, Exhibits, Appendices and Schedules are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement.
- (d) Unless the context shall otherwise require, any reference to any agreement, other instrument (including SBC-AMERITECH, AT&T or other third party offerings, guides or practices), statute, regulation, rule or tariff is to such agreement, instrument, statute, regulation, rule or tariff as amended and supplemented from time to time (and, in the case of a statute, regulation, rule or tariff, to any successor provision).
- (e) In the event of a conflict between the provisions of this Agreement and the Act, the provisions of the Act shall govern.

- (f) Wherever any Commission ordered tariff provision or rate is incorporated, cited or quoted herein, it is understood that said incorporation or reference applies only to the entity within the state whose Commission ordered that tariff.

1.4 Joint Work Product. This Agreement is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against either Party.

1.5 Regional Matters.

- (a) AT&T Corp. has a regional administrative structure in which its central region ("**Region**") comprises the states of Illinois, Ohio, Indiana, Michigan and Wisconsin, states in which SBC-AMERITECH Ohio and its Affiliates conduct business operations and in which SBC-AMERITECH Ohio and certain of its Affiliates are Incumbent Local Exchange Carriers. SBC-AMERITECH Ohio and AT&T Communications of Ohio, Inc. currently perform, or cause their Affiliates to perform, administrative and specialized business operations on a centralized basis in the Region.
- (b) The Parties shall cooperate in the administration and performance of this Agreement and any other agreements between the Parties and their Affiliates approved under Section 252 of the Act relating to the Parties' provision of Telecommunications Services in the Region (the "**Regional Interconnection Agreements**") so that the following are accomplished:
 - (1) Whenever this Agreement requires a procedure for deployment of the relevant facilities, services and functions, the Parties shall, to the maximum extent practicable in light of local state differences, use a single Joint Operational Team (as hereinafter defined) to develop operational plans which will satisfy the requirements of all Regional Interconnection Agreements. Except as necessary to accommodate individual state differences or requirements, meetings of the Joint Operational Team shall be held in Chicago, Illinois; and
 - (2) The Parties agree that they will use their best efforts to maintain single points of contact and operational interfaces for all Regional Interconnection Agreements.

ARTICLE II GENERAL SERVICE RELATED PROVISIONS

2.0 General Service Related Provisions.

2.1 Interconnection Activation Date. Subject to the terms and conditions of this Agreement, Interconnection of the Parties' facilities and equipment pursuant to Articles III and IV for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic, and Interconnection of the Parties' facilities and equipment to provide AT&T access to SBC-AMERITECH's unbundled Network Elements pursuant to Article IX, shall be established on or before the corresponding "**Interconnection Activation Date**" shown for each LATA and Wire Center in the trunking plans attached to the Notices of Interconnection and agreed to by the Parties. The Parties shall refine estimated Interconnection Activation Dates and identify additional Interconnection Activation Dates using the principles set forth in Article III, Section 3.10.4. Trunking plans exchanged by the Parties may be revised and supplemented from time to time upon the mutual agreement of the Parties to reflect the Interconnection of additional LATAs and Wire Centers.

2.2 Bona Fide Request. Any request by AT&T for access to additional or new Network Elements on an unbundled basis or existing Combinations (as defined in Article IX) that are not otherwise provided by the terms of this Agreement or by order or rule of the Commission at the time of such request shall be made pursuant to the Bona Fide Request process set forth on Schedule 2.2.

2.3 Technical References. Technical References that describe the practices, procedures and specifications for certain services (and the applicable interfaces relating thereto) are listed on Schedule 2.3 (the "**Technical Reference Schedule**") to assist the Parties in meeting their respective responsibilities hereunder.

Unless the context shall otherwise specifically require, and subject to Section 29.3 of Article XXIX, whenever any provision of this Agreement refers to a technical reference, technical publication, AT&T Practice, SBC-AMERITECH Practice, any publication of telecommunications industry administrative or technical standards, or any other document specifically incorporated into this Agreement, (collectively, a "Referenced Instrument"), it will, be deemed to be a reference to the most recent version or edition (including any amendments, supplements, addenda, or successors) of each Referenced Instrument that is in effect and will include the most recent version or edition (including any amendments, supplements, addenda, or successors) of each Referenced Instrument that is in effect, and will include the most recent version or edition (including any amendments, supplements, addenda, or successors) of any other Referenced Instrument incorporated by reference therein. If a dispute about interpretation arises, the parties shall submit the matter for resolution pursuant to Section 28.3 of this Agreement. Ohio Local Service Guideline (LSG) XVI(F) requires that local exchange carriers give six (6) months prior notice of changes in technical requirements if these requirements will affect existing or anticipated interconnection arrangements in any

way.

2.4 Use of Services. Subject to the requirements of this Agreement, the Act, the Commission and the FCC, AT&T may, subject to the payment to SBC-AMERITECH of all applicable charges, add to, delete from or change a purchased Resale Service or Network Element in the provision of service to its Customer.

ARTICLE III

INTERCONNECTION PURSUANT TO SECTION 251(c)(2)

3.0 Interconnection Pursuant to Section 251(c)(2).

3.1 Scope. Article III describes the physical architecture for Interconnection of the Parties' facilities and equipment for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic between the respective business and residential Customers of the Parties pursuant to Section 251(c)(2) of the Act. Interconnection may not be used solely for the purpose of originating a Party's own interexchange traffic. Articles IV and V prescribe the specific logical trunk groups (and traffic routing parameters) which will be configured over the physical Interconnections described in this Article III related to the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic, respectively. Other trunk groups, as described in this Agreement, may be configured using this architecture.

3.2 Interconnection Points and Methods.

3.2.1 In each LATA where the Parties interconnect, AT&T and SBC-AMERITECH shall Interconnect their networks, at AT&T's option, at the correspondingly identified SBC-AMERITECH Tandem Switch Center or End Office POIs and AT&T Switch Center POIs in such LATAs for the transmission and routing within that LATA of Telephone Exchange Service traffic and Exchange Access traffic pursuant to Section 251(c)(2) of the Act.

3.2.2 AT&T, at its option, may request Interconnection of its facilities and equipment to SBC-AMERITECH's network at any technically feasible point in SBC-AMERITECH's network, for a Telecommunications Service that SBC-AMERITECH offers to itself, its subsidiaries, its Affiliates or other persons, pursuant to Section 251(c)(2) of the Act. AT&T may, at its option, Interconnect its facilities and equipment at SBC-AMERITECH's Tandem Offices or SBC-AMERITECH's End Offices. At AT&T's option, Interconnection shall be established via one-way or two-way trunking. The Parties' respective cost obligations relating to the apportionment of costs in the establishment of one-way and two-way trunking are set forth in Section 3.2.3.1, below.

3.2.2.1 Physical Collocation Interconnection. When AT&T provides its own facilities or uses the facilities of a third party to an SBC-AMERITECH Tandem or, at AT&T's option, End Office and wishes to place its own transport terminating equipment at that location, AT&T may Interconnect using the provisions of Physical Collocation as set forth in Article XII or applicable state tariff.

3.2.2.2 Virtual Collocation Interconnection. When AT&T provides its own facilities or uses the facilities of a third party to an SBC-AMERITECH Tandem or, at AT&T's option, End Office and wishes for SBC-AMERITECH to place

transport terminating equipment at that location on AT&T's behalf, AT&T may Interconnect using the provisions of Virtual Collocation as set forth in **Article XII** or applicable tariff. Virtual Collocation allows AT&T to choose the equipment vendor and does not require that AT&T be Physically Collocated.

3.2.2.3 Leased Facility Interconnection. Where facilities exist, either Party may lease facilities from the other Party as defined in **Section 3.7** of this Agreement.

3.2.2.4 Fiber Meet Interconnection as described below.

3.2.2.5 Any other technically feasible Interconnection method which is consistent with the Act.

3.2.3 As provided in Section 251(c)(2) of the Act, AT&T, at its option, may request Interconnection of its facilities and equipment to SBC-AMERITECH's network at any technically feasible point in SBC-AMERITECH's network, including a mid-span meet arrangement, at any transmission rate for a Telecommunications Service that SBC-AMERITECH offers to itself, its subsidiaries, its Affiliates or other persons.

3.2.3.1 Where AT&T elects to establish Interconnection at an SBC-AMERITECH Tandem Office, costs will be apportioned as between AT&T and SBC-AMERITECH, as follows:

3.2.3.1.1 Should AT&T choose to utilize one-way trunks, AT&T will pay for the underlying facilities for trunks used to transport traffic from AT&T to SBC-AMERITECH. SBC-AMERITECH will pay for the underlying facilities for trunks used to transport traffic from SBC-AMERITECH to AT&T.

3.2.3.1.2 Should AT&T choose to establish interconnection via two-way trunking, AT&T and SBC-Ameritech shall each pay their pro rata share of costs of the underlying facilities, as the facilities are installed, from the AT&T Switch Center to the SBC-AMERITECH Switch, End Office or Tandem, based on the volume and directionality of traffic in the preceding quarter.

3.2.4 Each Party shall, (i) provide trained personnel with adequate and compatible test equipment to work with each other's technicians, and (ii) provide maintenance and provisioning for their respective sides of the demarcation point.

3.2.5 At least one POI must be established within the LATA where SBC-AMERITECH operates as an incumbent LEC and AT&T has a switch and End Users in that LATA.

3.2.6 If AT&T elects Collocation as an Interconnection method or elects a network architecture that requires SBC-AMERITECH to Interconnect with AT&T's facilities via Collocation, AT&T agrees to provide to SBC-AMERITECH Collocation for purposes of that Interconnection on a non-discriminatory basis and on rates, terms and conditions set forth in this Agreement.

3.2.7 In each LATA the Parties agree to provide, at a minimum, sufficient facilities so that a local Interconnection trunk group can be established from each AT&T Switch Center in the LATA to each SBC-AMERITECH, combined local and Access Tandem or local Tandem, where AT&T originates or terminates local and/or toll traffic with SBC-AMERITECH.

3.2.8 AT&T is solely responsible for the facilities that carry OS/DA, 911 or mass calling. SBC-AMERITECH may allow, solely at its discretion, AT&T to use jointly provided Interconnection facilities to carry service traffic of this type.

3.3 AT&T Methods of Interconnection. In addition to Collocation in SBC-AMERITECH's Switch Center or Fiber Meet as currently provided for in the Agreement, AT&T may interconnect with SBC-AMERITECH for purposes of delivering Local Traffic and IntraLATA Toll Traffic originating in AT&T's network for termination on SBC-AMERITECH's network by using the method of Interconnection described below:

3.3.1 Under this method of Interconnection, AT&T will transport Local Traffic and IntraLATA Toll Traffic to SBC-AMERITECH's Tandem Offices by using trunks (i.e., DS1's) on existing DS3 access facilities between AT&T's Switch Center POIs and the SBC-AMERITECH Tandem Office POI. Such facilities may be provided by SBC-AMERITECH, AT&T, other vendors used by AT&T or SBC-AMERITECH, or a combination thereof.

3.3.2 If additional capacity is needed for Interconnection under this method, AT&T will provision such facilities: (i) from SBC-AMERITECH under its access tariff, (ii) from SBC-AMERITECH under **Article IX** of the Agreement, (iii) from AT&T's own facility inventory, or (iv) from an alternative access vendor.

3.3.3 AT&T may interconnect with SBC-AMERITECH at a DS1 bandwidth. SBC-AMERITECH may allow Interconnection at other bandwidths where technically feasible and mutually agreeable at termination charges to be agreed upon by the Parties.

3.4 RESPONSIBILITIES OF THE PARTIES

3.4.1 AT&T and SBC-AMERITECH shall:

3.4.1.1 Provide trained personnel with adequate and compatible test equipment to work with each other's technicians.

3.4.1.2 Notify each other when there is any change affecting the service requested, including the due date.

3.4.1.3 Provide maintenance and provisioning for their respective sides of the POI.

3.5 SBC-AMERITECH Methods of Interconnection.

3.5.1 SBC-AMERITECH will Interconnect with AT&T for purposes of delivering Local Traffic and IntraLATA Toll Traffic originating in SBC-AMERITECH's network for termination on AT&T's network by using one of the following methods or such other methods as may be agreed upon by the Parties:

- a) In those AT&T Switches where SBC-AMERITECH does not have an existing LEC Access Equipment Room by terminating in space allocated for Interconnection in such AT&T Switches; the prices for such Interconnections shall be the same as for the method or interconnection described in **Section 3.5.2**, below, and the process for such Interconnection will be defined by an Operations Team consisting of representatives of the Parties;
- b) In those AT&T Switches where SBC-AMERITECH does have an existing LEC Access Equipment Room, Collocation in the LEC Access Equipment Room in AT&T's Switch Centers as described in **Section 3.5.2** below;
- c) Leasing of DS1 facilities from AT&T as described in **Sections 3.5.3** and **3.5.4**, below; or
- d) Leasing facilities from third parties' collocated in AT&T's space as described in **Section 3.5.5** below.

3.5.2 Where SBC-AMERITECH chooses Collocation in the LEC Access Equipment Room in AT&T's Switch Center as the method of Interconnection, SBC-AMERITECH may transport Local Traffic and IntraLATA Toll Traffic to the designated POI in AT&T's Switches by using its self-provided facilities that are terminated in SBC-AMERITECH's equipment located in the LEC Access Equipment Room in AT&T's Switch Center used to provide Total Service Access for AT&T or in AT&T provided equipment (when both AT&T and SBC-AMERITECH are located in the same building).

3.5.2.1 Collocation for purposes of this method of Interconnection will be furnished by AT&T under the same terms and conditions that it is provided today to SBC-AMERITECH for total service access terminal equipment. However, since these terms and conditions may vary from AT&T Switch Center to AT&T Switch Center, AT&T agrees that the terms and conditions described in **Article XXXI** of

the Agreement will apply. AT&T agrees to provide such Collocation on a non-discriminatory basis in accordance with the requirements of **Section 3.2.5** of the Agreement and Section 202(a) of the Act.

3.5.2.2 In order to accommodate this method of Interconnection, SBC-AMERITECH may utilize existing equipment installed for the purposes of providing total service access for AT&T's use or place additional equipment in the space.

3.5.2.3 SBC-AMERITECH will interconnect with AT&T at each AT&T Switch Center in the LATA from each SBC-AMERITECH Tandem Switch Center at which AT&T elects to interconnect with SBC-AMERITECH. In those LATAs where AT&T does not have a Switch or where AT&T has customers served by a Switch in another LATA, AT&T will designate a POI in the LATA where SBC-AMERITECH will interconnect with AT&T. Any transport of traffic beyond that POI will be AT&T's responsibility and at AT&T's cost. If AT&T has more than one local switch in the same building, the interconnection POI for all switches may be located in the same physical space.

3.5.2.4 SBC-AMERITECH must Interconnect with AT&T at a DS1 bandwidth. AT&T may allow Interconnection at other bandwidths where technically feasible and mutually agreeable at termination charges to be agreed upon by the Parties. DS1 Collocation Termination charges apply for the use of space provided for terminating Local Traffic and IntraLATA Toll Traffic as specified in the Pricing Schedule. If the facility is terminated to AT&T at a DS3 level, SBC-AMERITECH must purchase 28 DS1 Collocation Termination charges and DS3 to DS1 multiplexing from AT&T.

3.5.3 Where AT&T's POI is in an ILEC territory other than SBC-AMERITECH's in a multi-jurisdictional LATA, SBC-AMERITECH may interconnect using such other ILEC facilities for transporting Local Traffic and IntraLATA Toll Traffic to the designated POI in AT&T's Switch Centers by using ILEC provided facilities which are terminated in ILEC's equipment located in the LEC Access Equipment Room in AT&T's Switch Center used to provide Total Service Access for AT&T or in AT&T provided equipment (when both AT&T and the ILEC are located in the same building) on the same terms and conditions as specified in **Section 3.5.2**.

3.5.4 In the future, SBC-AMERITECH may utilize Alternate Access Providers which are collocated in AT&T Switch Centers to lease facilities for interconnecting with AT&T for the termination of Ameritech's Local Traffic and IntraLATA Toll Traffic. Upon notification from Ameritech of its intent to utilize Alternate Access Provider facilities, AT&T will provide applicable pricing to be agreed upon by the Parties.

3.6 Leasing of Facilities – Both Parties.

3.6.1 SBC-AMERITECH offers leased facilities from the applicable Access Tariff.

3.6.2 Leasing of facilities from either Party for the above purposes and any future augmentations are subject to facility availability at the time of the written request.

3.6.3 In addition, either Party may lease facilities from the other Party upon mutual agreement. Leased facilities may be used as: (i) a permanent method of Interconnection, or (ii) an interim method of Interconnection if either Party does not have sufficient capacity on its transport equipment.

3.7 SBC-AMERITECH Leasing of Facilities from AT&T.

3.7.1 Where SBC-AMERITECH chooses to lease facilities from AT&T as the method of Interconnection, SBC-AMERITECH will transport traffic to the designated POI in AT&T's Switch Centers by using DS1 facilities furnished by AT&T. Such facilities will be used by SBC-AMERITECH solely for purposes of delivering Local Traffic and IntraLATA Toll Traffic originating in SBC-AMERITECH's network for termination on AT&T's local network. The POI will be established pursuant to the requirements of **Section 3.2**.

3.7.1.1 If SBC-AMERITECH requests to lease AT&T provided facilities, AT&T will determine the availability of DS1 transport capacity between SBC-AMERITECH and AT&T in order to fulfill the Interconnection access request. If capacity is available, AT&T will notify SBC-AMERITECH and provide Connecting Facility Assignments (CFA). If DS1 capacity is not available from AT&T provided facilities, AT&T will notify SBC-AMERITECH that AT&T will not fulfill the Interconnection access request. AT&T will have no obligation to add facilities to meet SBC-AMERITECH request.

3.7.1.2 If SBC-AMERITECH leases facilities from AT&T, such facilities will be provided pursuant to AT&T's standard terms and conditions for that service, except that the rates specified in the **Pricing Schedule** shall supersede the corresponding rates in such standard terms and conditions.

3.7.1.3 The standard interval for AT&T provided facilities is thirty-three (33) Business Days from the date of receipt of SBC-AMERITECH's ASR. However, the initial request for Interconnection at an AT&T Switch Center will be regarded as a project and therefore require negotiated intervals on an individual case basis.

3.7.2 Where SBC-AMERITECH elects to Interconnect with AT&T using the method described in **Section 3.5.2** and does not have sufficient capacity on its transport equipment in the LEC Access Equipment Room in AT&T's Switch Center to meet the Interconnection traffic requirements, SBC-AMERITECH may use facilities leased from

AT&T. AT&T will provide SBC-AMERITECH ninety (90) calendar days prior notice of its intent to begin accepting incoming traffic from SBC-AMERITECH. Interim facilities leased from AT&T will be provided by AT&T pursuant to the requirements of **Section 3.7.1**, subject to the following:

3.7.2.1 If SBC-AMERITECH elects to use AT&T provided DS1 facilities for an interim period, SBC-AMERITECH will pay AT&T the non-recurring charge and the monthly recurring charge for these facilities, subject to the discount described below.

3.7.2.2 No discounts shall apply if the additional equipment that SBC-AMERITECH must install can be added to existing bays in the space.

3.7.2.3 If SBC-AMERITECH elects the addition of a new bay to complete Interconnection by Collocation, and AT&T gives SBC-AMERITECH less than ninety (90) calendar days advance notice of its intention to accept incoming traffic, the DS1 rate will be reduced by one sixtieth (1/60) of the monthly recurring charge for each day less than such ninety (90) calendar days of the notification of intent to accept incoming traffic. The discounted rate will only be applicable for a period of no longer than one hundred and fifty (150) calendar days from the date AT&T informed SBC-AMERITECH of its intention to accept incoming traffic. At the one hundred and fifty first (151st) calendar day, the discounts will no longer apply. SBC-AMERITECH may use these facilities as a permanent method of Interconnection or to transition to physical Collocation as a method of Interconnection. If SBC-AMERITECH opts to transition to physical Collocation facilities, AT&T will waive additional non-recurring charges. If SBC-AMERITECH elects to keep leased facilities as a permanent method of Interconnection, AT&T will bill SBC-AMERITECH for, and SBC-AMERITECH will repay, the discounts that were applied in the interim period.

3.8 AT&T Leasing of Facilities from SBC.

3.8.1 AT&T will provide a written leased facility request that will specify the A- and Z-ends (CLLI codes, where known), equipment and multiplexing required and provide quantities requested. Requests for leasing of facilities for the purposes of Interconnection and any future augmentations are subject to facility availability at the time of the request. Applicable rates, terms and conditions will be determined at the time of the request.

3.8.2 Any request by AT&T for leased facilities where facilities, equipment, or riser cable do not exist will be considered by SBC-AMERITECH under the Bona Fide Request (“BFR”) Process set forth in **Section 2.2** of the Agreement.

3.9 Fiber-Meet.

3.9.1 Fiber Meet Interconnection between SBC-AMERITECH and AT&T can occur at any mutually agreeable and technically feasible point between AT&T's premises and an SBC-AMERITECH Tandem or End Office within each LATA.

3.9.2 Where the Parties Interconnect their networks pursuant to a Fiber-Meet, the Parties shall negotiate and mutually agree upon, as well as jointly engineer and operate such an Interconnection.

3.9.3 The Parties shall, solely at their own expense, procure, install and maintain the agreed-upon Fiber Optic Terminal ("**FOT**") equipment, multiplexing and fiber in each of their locations where the Parties establish a Fiber Meet for the purposes of interconnection, in capacity sufficient to provision and maintain all trunk groups prescribed by Articles III and IV.

3.9.4 There are currently four basic Fiber Meet design options. They are:

3.9.4.1 Design One: AT&T's fiber cable (four fibers) and SBC-AMERITECH's fiber cable (four fibers) are connected at a technically feasible point between AT&T and SBC-AMERITECH locations. This Interconnection point would be at a mutually agreeable location approximately midway between the two. The Parties' fiber cables would be terminated and then cross connected on a fiber termination panel as discussed below under the Fiber Termination Point options section. Each Party would supply a fiber optic terminal at their respective end. The POI would be at the fiber termination panel at the mid-point meet.

3.9.4.2 Design Two: AT&T will provide fiber cable to the last entrance (or SBC-AMERITECH designated) manhole at the SBC-AMERITECH Tandem or End Office switch. SBC-AMERITECH shall make all necessary preparations to receive and to allow and enable AT&T to deliver fiber optic facilities into that manhole. AT&T will provide a sufficient length of Optical Fire Resistant ("**OFR**") cable for SBC-AMERITECH to pull the fiber cable through the SBC-AMERITECH cable vault and terminate on the SBC-AMERITECH fiber distribution frame ("**FDF**") in SBC-AMERITECH's office. AT&T shall deliver and maintain such strands wholly at its own expense up to the POI. SBC-AMERITECH shall take the fiber from the manhole and terminate it inside SBC-AMERITECH's office on the FDF at SBC-AMERITECH's expense. In this case the POI shall be at the SBC-AMERITECH designated manhole location.

3.9.4.3 Design Three: SBC-AMERITECH will provide fiber cable to the last entrance (or AT&T designated) manhole at AT&T location. AT&T shall make all necessary preparations to receive and to allow and enable SBC-AMERITECH to deliver fiber optic facilities into that manhole. SBC-AMERITECH will provide a sufficient length of Optical Fire Resistant ("**OFR**") cable for AT&T to run the fiber cable from the manhole and terminate on AT&T fiber distribution frame ("**FDF**") in AT&T's location. SBC-AMERITECH shall deliver and maintain such strands wholly at its own

expense up to the POI. AT&T shall take the fiber from the manhole and terminate it inside AT&T's office on the FDF at AT&T's expense. In this case the POI shall be at AT&T designated manhole location.

3.9.4.4 Design Four: Both AT&T and SBC-AMERITECH each provide two fibers between their locations. This design may only be considered where existing fibers are available and there is a mutual benefit to both Parties. SBC-AMERITECH will provide the fibers associated with the "working" side of the system. AT&T will provide the fibers associated with the "protection" side of the system. The Parties will work cooperatively to terminate each other's fiber in order to provision this joint point-to-point linear chain SONET system. Both Parties will work cooperatively to determine the appropriate technical handoff for purposes of demarcation and fault isolation. The POI will be defined as being at the SBC-AMERITECH location.

3.9.5 Other design options that are technically feasible and consistent with the Act may be mutually developed and agreed to by the Parties.

3.9.6 Each Party shall use its best efforts to ensure that fiber received from the other Party will enter that Party's Switch Center through a point separate from that through which such Party's own fiber exited.

3.9.7 For Fiber-Meet arrangements, each Party will be responsible for: (i) providing its own transport facilities to the Fiber-Meet, and (ii) the cost to build-out its facilities to such Fiber-Meet.

3.9.8 Neither Party will be allowed to access the Data Communications Channel ("DCC") of the other Party's Fiber Optic Terminal ("FOT") equipment. The Fiber Meet will be designed so that each Party may, as far as is technically feasible, independently select the transmission, multiplexing, and fiber terminating equipment to be used on its side of the POI(s). The Parties will work cooperatively to achieve equipment and vendor compatibility of the FOT equipment. Requirements for such Interconnection specifications will be defined in joint engineering planning sessions between the Parties. The Parties will use good faith efforts to develop and agree on these facility arrangements within ninety (90) days of the determination by the Parties that such specifications shall be implemented, and in any case, prior to the establishment of any Fiber Meet arrangements between them.

3.9.9 Each Party shall provide its own, unique source for the synchronized timing of its FOT equipment. Each timing source must be Stratum-1 traceable and cannot be provided over DS0/DS1 facilities, via Line Timing; or via a Derived DS1 off of FOT equipment. Both Parties agree to establish separate and distinct timing sources that are not derived from the other, and meet the criteria identified above. The AT&T location includes FOTs, multiplexing and fiber required to terminate the optical signal provided from SBC-AMERITECH. This location is AT&T's responsibility to provision and maintain.

3.9.10 AT&T and SBC-AMERITECH will mutually agree on the capacity of the FOT(s) to be utilized based on equivalent DS1s or DS3s. Each Party will also agree upon the optical frequency and wavelength necessary to implement the Interconnection. The Parties will develop and agree upon methods for the capacity planning and management for these facilities, terms and conditions for over-provisioning facilities, and the necessary processes to implement facilities. The SBC-AMERITECH location includes all SBC-AMERITECH FOT, multiplexing and fiber required to terminate the optical signal provided from AT&T. This location is SBC-AMERITECH's responsibility to provision and maintain.

3.10 Interconnection in Additional LATAs.

3.10.1 If AT&T determines to offer Telephone Exchange Service within SBC-AMERITECH 's service areas in any additional LATA, AT&T shall provide written notice to SBC-AMERITECH of its need to establish Interconnection in such LATA pursuant to this Agreement.

3.10.2 The notice provided in **Section 3.10.1** shall include: (i) address of the initial AT&T Switch Center POI(s) AT&T has designated in the new LATA, (ii) AT&T's requested Interconnection Activation Date, and (iii) a non-binding forecast of AT&T's trunking requirements.

3.10.3 Unless otherwise agreed by the Parties, the Parties shall designate the AT&T Switch Center AT&T has identified as its initial Routing Point in the LATA as the ATIWC in that LATA and shall designate the SBC-AMERITECH Tandem Office Wire Center within the LATA nearest to the ATIWC (as measured in airline miles utilizing the V&H coordinates method) as the SBC-AMERITECH Interconnection Wire Center AIWC in that LATA.

3.10.4 The Interconnection Activation Date in each new LATA shall be mutually established based on then-existing force and load, the scope and complexity of the requested Interconnection and other relevant factors. The Parties acknowledge that, as of the Effective Date, the average interval to establish Interconnection via Collocation or Fiber-Meet is one hundred and fifty (150) days. Unless otherwise agreed to by the Parties, the interconnection Activation Date in each new LATA or each new Interconnection Point within a LATA shall be the earlier of: (1) the date mutually agreed by the Parties which time shall be reasonably related to the actual time needed for activation, or (2) the date that is one-hundred and fifty (150) days after the date on which AT&T delivered notice to SBC-AMERITECH pursuant to **Section 3.10.1**. Within ten (10) business days of SBC-AMERITECH's receipt of AT&T's notice, SBC-AMERITECH and AT&T shall confirm the AIWC, the ATIWC and the Interconnection Activation Date by mutually agreeing to a Trunk Plan. Notwithstanding the current average interval to establish Interconnection by Collocation, SBC-AMERITECH will make its best effort to meet AT&T's requested Interconnection Activation Date.

3.11 Additional Interconnection in Existing LATAs. If AT&T deploys additional switches in a LATA after the Effective Date, or otherwise wishes to establish Interconnection with additional SBC-AMERITECH End Office or Tandem Switches, AT&T shall be entitled, upon written notice thereof to SBC-AMERITECH, to establish such Interconnection, and the terms and conditions of this Agreement shall apply to such Interconnection. If SBC-AMERITECH deploys additional switches in a LATA after the Effective Date, or otherwise wishes to establish Interconnection with additional AT&T Switch Centers, SBC-AMERITECH shall be entitled, upon written notice thereof to AT&T, to establish such Interconnection, and the terms and conditions of this Agreement shall apply to such Interconnection. If SBC-AMERITECH establishes an additional Tandem Switch or AT&T establishes an additional Switch Center in a given LATA, the Parties shall jointly determine the requirements regarding the establishment and maintenance of separate trunk group connections relating to Tandem Switches or Switch Centers that serve the other Party's Customers within the Exchange Areas served by such Tandem Switches or Switch Centers, as the case may be.

3.12 Nondiscriminatory Interconnection. Interconnection shall be equal in quality as provided in Section 251 (c) (2) (C) of the Act and on rates, terms and conditions consistent with Section 251 (c) (2) (D) of the Act.

3.13 Network Management.

3.13.1 AT&T and SBC-AMERITECH shall work cooperatively to install and maintain a reliable network. AT&T and SBC-AMERITECH shall exchange appropriate information (e.g., maintenance contact numbers, network information, information required to comply with law enforcement and other security agencies of the government and such other information as the Parties shall mutually agree) to achieve this desired reliability.

3.13.2 AT&T and SBC-AMERITECH shall work cooperatively to apply sound network management principles by invoking network management controls to alleviate or to prevent congestion.

3.13.3 AT&T and SBC-AMERITECH shall participate in a joint engineering review of Trunk Usage Report data every six (6) months to identify changes needed in the trunking that exists between AT&T Switch Centers and SBC-AMERITECH Tandem Switches with the objectives of: (1) minimizing blocking, (2) balancing trunk utilization, (3) identifying low trunk utilization, (4) identifying modifications to the existing trunk network to improve trunking efficiency.

3.13.4 Either Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps set at appropriate levels on traffic toward each other's network, when required, to protect the public switched network from congestion due to facility failures, switch congestion, or failure or focused overload.

AT&T and SBC-AMERITECH will immediately notify each other of any protective control action planned or executed.

3.13.5 Where the capability exists, originating or terminating traffic reroutes may be implemented by either Party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes will not be used to circumvent normal trunk servicing. Expansive controls will only be used when mutually agreed to by the Parties.

3.13.6 AT&T and SBC-AMERITECH shall cooperate and share pre-planning information regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes.

3.13.7 Each Party will administer its network to ensure acceptable service levels to all users of its network services. Service levels are generally considered acceptable only when End Users are able to establish connections with little or no delay encountered in the network. Each Party will provide a 24-hour contact number for Network Traffic Management issues to the other's surveillance management center.

3.14 911 Service.

3.14.1 911 Arrangements are arrangements for routing 911 calls from AT&T Customers to the appropriate Public Safety Answering Point (“PSAP”), passing certain customer information for display at the PSAP answering station based on the class of 911 service (Basic 911 or E911) deployed in the area. SBC-AMERITECH shall provide 911 Arrangements to AT&T as described in this **Section 3.14** in each exchange in which: (i) AT&T is authorized to provide local exchange services, and (ii) SBC-AMERITECH is the 911 service provider. The provisions in this **Section 3.14** apply only to 911 Arrangements provided as Ancillary Functions. 911 functionality for Unbundled Network Element Combinations and for Local Service Resale shall be governed by provisions in **Article IX** (Unbundled Access) and **Article X** (Resale at Wholesale Rates) of this Agreement. In providing 911 Arrangements to AT&T, SBC-AMERITECH shall comply with all laws, rules and regulations concerning emergency services.

3.14.2 Service and Facilities Provided.

- (a) SBC-AMERITECH will provide AT&T with multiplexing at a designated SBC-AMERITECH Central Office at the rates set forth in the **Pricing Schedule** and pursuant to the terms and conditions in applicable tariffs. SBC-AMERITECH will also provide AT&T upon request with dedicated trunking from the SBC-AMERITECH Central Office to the designated SBC-AMERITECH Control Office(s) with sufficient capacity to route AT&T's originating 911 calls over Service Lines to the designated primary PSAP or to designated alternate locations. Trunks shall be established as CAMA MF trunks until SS7 connectivity is required by the applicable jurisdiction.

Thereafter, trunks shall be established with SS7 signaling and both parties will cooperate to implement CCIS trunking. Such trunking will be provided at the rates set forth in the **Pricing Schedule** or applicable state tariff. If AT&T forwards the ANI information of the calling party to the Control Office, SBC-AMERITECH will forward that calling number and the associated street address to the PSAP for display. If no ANI is forwarded by AT&T, SBC-AMERITECH will display a Central Office identification code for display at the PSAP.

- (b) AT&T will provide a minimum of two (2) one-way outgoing channels per diverse path to route originating 911 traffic from AT&T's End Office(s) to the SBC-AMERITECH Central Office(s). The points of Interconnection for primary and diverse routes are identified at **Section 3.14.5**. AT&T may, at its option, acquire such trunking from SBC-AMERITECH at rates, terms and conditions provided in SBC-AMERITECH's tariffs.
- (c) SBC-AMERITECH shall assure sufficient capacity at the 911 tandem or selective router to meet AT&T's requests for interconnection within twenty (20) business days after receipt of the request. When SBC-AMERITECH network force and load conditions require a longer implementation timeframe, SBC-AMERITECH will notify AT&T within five (5) business days after receipt of the request and the timeframe will be agreed upon. Interconnection to the 911 tandem shall be established to provide path and route diversity when technically feasible.
- (d) SBC-AMERITECH shall provide the following information to AT&T, and shall promptly notify AT&T of any changes:
 - (1) SBC-AMERITECH processes and requirements for ordering trunks for 911 service and interconnection to the 911 tandem or selective router.
 - (2) Trunk group specifications.
 - (3) E911 tandem CLLI codes, circuit IDs, point codes, LEC order number, and TS (Two Six) code and address.
 - (4) Description of SBC-AMERITECH's diversity for facility routing, where technically feasible.
 - (5) Maintenance procedures for 911 trunk groups, including, but not limited to, contact names and numbers, escalation lists, and the hours that maintenance is available.

- (6) For SBC-AMERITECH only, the SBC-AMERITECH Trunk Group Design Guide (“**TGDG**”) will be provided to AT&T. The TGDG will provide specific information on SBC-AMERITECH Selective Routers for each rate center/NPA-NXX to assist AT&T in designing its 911 trunk groups.
 - (7) Lists of rate centers in which DMS Management and selective routing for E911 calls is provided by different entities for different portions of the same rate center. This information may be incorporated into the SBC-AMERITECH TGDG.
 - (8) ALI interface information and access to the DMS sufficient, when combined with other Unbundled Network Elements, to allow AT&T to provide services to its own End Users equivalent to the ALI services provided by SBC-AMERITECH for its End Users.
- (e) SBC-AMERITECH shall route E911 calls delivered by AT&T to SBC-AMERITECH’s 911 tandems or selective routers to PSAPs. SBC-AMERITECH shall provide to the PSAPs and validate AT&T Customer information from the ALI/ANI database.
 - (f) SBC-AMERITECH will provide to AT&T a complete copy of the Master Street Address Guide (“**MSAG**”) that will specify valid address ranges for Customers within the Exchange Areas served by AT&T. The MSAG will be provided in a media and format usable with personal computers, free of charge, once each year, and SBC-AMERITECH shall provide electronic updates monthly. SBC-AMERITECH shall cooperate with AT&T to ensure the accuracy of information about AT&T Customers in the MSAG and shall assist in resolving any errors. SBC-AMERITECH shall notify PSAPs of any errors in the MSAG concerning AT&T Customers. The MSAG will be provided by exchange rate center or community upon request.
 - (g) SBC-AMERITECH will coordinate access to the SBC-AMERITECH ALI database for the initial loading and updating of AT&T Customer information. Access coordination will include:
 - (1) SBC-AMERITECH provided format requirements and a delivery address for AT&T to supply an electronic version of Customer telephone numbers, addresses and other information both for the initial load and, where applicable, daily updates. SBC-AMERITECH shall confirm receipt of this data as described in **Section 3.14.2(n)**;
 - (2) Coordination of error resolution involving entry and update activity;
 - (3) Provisioning of specific 911 routing information on each access line;

- (4) Providing AT&T with reference data required to ensure that AT&T's Customer will be routed to the correct Control Office when originating a 911 call.
- (h) SBC-AMERITECH shall provide an electronic interface to the ALI/DMS database, through which AT&T or its agent may provide a daily update of AT&T Customer Information. SBC-AMERITECH shall provide AT&T with the record input format, consistent with NENA-02-001 and subsequent NENA formats (NENA Recommended Formats for Data Exchange). SBC-AMERITECH shall provide error reports from the ALI/DMS database to AT&T within one (1) business day after AT&T or its agent enters information into the ALI/DMS database.
- (i) If an electronic interface to the ALI/DMS database is not available, SBC-AMERITECH shall establish interim processes and procedures to receive and process AT&T Customer information within one (1) business day.
- (j) SBC-AMERITECH shall provide AT&T query access to the ALI/DMS database to verify the accuracy of AT&T Customer information.
- (k) AT&T shall pay SBC-AMERITECH charges as set forth in the **Pricing Schedule** or in the applicable state tariff in states where 911 tariffs exist.
- (l) In the event of an SBC-AMERITECH or AT&T 911 trunk group failure, the Party that owns the trunk group will notify, on a priority basis, the other Party of such failure, which notification shall occur within two (2) hours of the occurrence or sooner if required under Applicable Law. The Parties will exchange a list containing the names and telephone numbers of the support center personnel responsible for maintaining the 911 Service between the Parties.
- (m) SBC-AMERITECH will provide the order number and circuit identification code in advance of the service due date.
- (n) AT&T or its third party agent will provide Automatic Location Identification (ALI) data to SBC-AMERITECH for use in entering the data into the 911 database. The initial ALI data will be provided to SBC-AMERITECH in a format prescribed by SBC-AMERITECH. AT&T is responsible for providing SBC-AMERITECH updates to the ALI data and error corrections which may occur during the entry of ALI data to the SBC-AMERITECH 911 Database System. AT&T shall reimburse SBC-AMERITECH for any additional database charges incurred by SBC-AMERITECH for errors in ALI data updates caused by AT&T or its third party agent. SBC-AMERITECH will confirm receipt of such data and corrections by the next Business Day by

providing AT&T with a report of the number of items sent, the number of items entered correctly, and the number of errors.

- (o) AT&T will monitor the 911 circuits for the purpose of determining originating network traffic volumes. AT&T will notify SBC-AMERITECH if the traffic study information indicates that additional circuits are required to meet the current level of 911 call volumes.
- (p) Incoming trunks for 911 shall be engineered to assure minimum P.01 grade of service as measured using the “busy day/busy hour” criteria.

3.14.3 Compensation. In addition to the amounts specified in **Section 3.14.2**, AT&T shall compensate SBC-AMERITECH as set forth in the **Pricing Schedule** or based upon tariff pricing in States where 911 tariffs have been filed.

3.14.4 Additional Limitations of Liability Applicable to E911/911 Service.

- (a) SBC-AMERITECH is not liable for the accuracy and content of ALI data that AT&T delivers to SBC-AMERITECH. AT&T is responsible for maintaining the accuracy and content of that data as delivered.
- (b) Notwithstanding anything to the contrary contained herein, SBC-AMERITECH's liability to AT&T and any third person shall be limited to the maximum extent permitted by Section 4931.49 of the Ohio Rev. Code.

3.14.5 911 Interconnection for Primary and Diverse Routes. AT&T's point of Interconnection for E911/911 Service can be at the SBC-AMERITECH Central Office, a Collocation point, or via a facility provisioned directly to the SBC-AMERITECH 911 Selective Router. AT&T shall pay tariff charges for Diverse routes. AT&T will be responsible for determining the proper quantity of trunks from its End Office(s) to the SBC-AMERITECH Central Office(s). Trunks between the SBC-AMERITECH Central Office and the SBC-AMERITECH Control Office shall be delivered by SBC-AMERITECH within twenty (20) business days after receipt of the request. When SBC-AMERITECH network force and load conditions require a longer implementation timeframe, SBC-AMERITECH will notify AT&T within five (5) business days after receipt of the request and the timeframe will be agreed upon. Following delivery, AT&T and SBC-AMERITECH will cooperate to promptly test all transport facilities between AT&T's network and the SBC-AMERITECH Control Office to assure proper functioning of the 911 service. AT&T will not turn-up live 911 traffic until successful testing is completed by both parties.

3.14.6 SBC-AMERITECH will not be responsible for submitting any applicable 911 surcharges to be assessed to the appropriate municipality where AT&T provides facility based local exchange service.

3.14.7 AT&T will be responsible for providing a separate 911 trunk group for each rate center, county or geographic area that it serves if such rate center, county or geographic area has a separate default routing condition. In addition, in the case of CAMA MF trunks, only one (1) NPA of traffic may be transmitted over a single 911 trunk group. When a unique default routing condition is present, AT&T shall provide sufficient trunking and facilities to accommodate those default PSAP requirements. AT&T is responsible for requesting facilities routed diversely for 911 interconnection.

3.14.8 AT&T will be responsible for determining the proper quantity of trunks and facilities from its switch(es) to the SBC-AMERITECH 911 Selective Router Office(s).

3.14.9 AT&T acknowledges that its End Users in a single local calling scope may be served by different SRs and AT&T shall be responsible for providing facilities to route calls from its End Users to the proper E911 SR.

3.14.10 AT&T will be responsible for the isolation, coordination and restoration of all 911 network maintenance problems to AT&T's demarcation (e.g. collocation). SBC-AMERITECH will be responsible for the coordination and restoration of all 911 network maintenance problems beyond the demarcation (e.g. collocation). AT&T is responsible for advising SBC-AMERITECH of the circuit identification when notifying SBC-AMERITECH of a failure or outage. The Parties agree to work cooperatively and expeditiously to resolve any 911 outage. SBC-AMERITECH will refer network trouble to AT&T if no defect is found in SBC-AMERITECH's network. The Parties agree that 911 network problem resolution will be managed in an expeditious manner at all times.

3.14.11 Once E911 trunking has been established and tested between AT&T's End Office and appropriate SR, AT&T or its representatives shall be responsible for providing AT&T database records to SBC-AMERITECH for inclusion in SBC-AMERITECH's DBMS on a timely basis. SBC-AMERITECH and CLEC shall arrange for the automated input and periodic updating of the E911 database information related to CLEC End Users.

3.14.12 AT&T or its third party agent shall provide initial and ongoing updates of customer 911 records (i.e., telephone numbers, addresses, etc.) in electronic format based upon established NENA industry standards.

3.14.13 AT&T shall adopt use of a Company ID in accordance with NENA standards on all CLEC database records. The Company ID will be used to identify the carrier of record in facility configurations. AT&T data shall be validated against the MSAG via the DBMS.

3.14.14 AT&T shall be solely responsible for providing test records and conducting call-through testing on all new NPA/NXXs.

ARTICLE IV
TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE
SERVICE TRAFFIC PURSUANT TO SECTION 251(c)(2)

4.0 Transmission and Routing of Telephone Exchange Service.

4.1 Scope of Traffic. Article IV prescribes parameters for trunk groups (the “**Local/IntraLATA Trunks**”) to be effected over the Interconnections specified in Article III for the transmission and routing of Local Traffic and IntraLATA Toll Traffic between the Parties’ respective Telephone Exchange Service Customers.

4.2 Limitations. No Party shall terminate Exchange Access traffic or originate untranslated 800/888 traffic over Local/IntraLATA Interconnection Trunks.

4.3 Trunk Group Architecture and Traffic Routing. The Parties shall jointly engineer and configure Local/IntraLATA Trunks over the physical Interconnection arrangements as follows:

4.3.1 The Parties may interconnect with each other via one-way or two-way trunks, at AT&T’s option.

4.3.1.1 In the event one-way trunking is utilized, each Party shall provision and maintain their own one (1)-way trunks to deliver calls originating on their own network and routed to the other Party’s network

4.3.1.2 In the event two-way trunking is utilized, the two-way trunking will be jointly provisioned and maintained.

4.3.1.3 The apportionment of facility costs to the Parties to provision both one-way and two-way trunks is described in Section 3.2.3.1 of Article III.

4.3.2 A one-way trunk group for ancillary services (e.g. OPS/DA, mass calling, 911) can be established between an AT&T Switch Center and an SBC-AMERITECH Tandem. This trunk group will utilize Signaling System 7 (“**SS7**”) or multi-frequency (“**MF**”) signaling protocol, with SS7 signaling preferred whenever possible. AT&T will have administrative control of one-way trunk groups from AT&T to SBC-AMERITECH (AT&T originating).

4.3.3 Intentionally left blank.

4.3.4 Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

4.3.5 SBC-AMERITECH will provide the facilities between each SBC-AMERITECH Tandem Switch and the SBC-AMERITECH End Office(s) sub-tending that Tandem Switch. SBC-AMERITECH shall ensure that each Tandem Switch permits the completion of traffic to all End Offices that sub-tend that Tandem Switch.

4.3.6 When one-way trunking is utilized, each Party shall establish and maintain separate trunk groups connected to each Tandem Switch or Switch Center, as the case may be, of the other Party that serves, or is sub-tended by End Offices that serve, such other Party's Customers within the Exchange Areas served by such Tandem Switches or Switch Centers, as the case may be.

4.3.7 When one-way trunking is utilized, each Party shall, upon request of the other Party, provision, pursuant to Sections 4.3.15 and 4.3.16, additional trunks for use in a pre-existing Interconnection arrangement, subject to Section 19.12 of this Agreement.

4.3.8 SBC-AMERITECH deploys in its network Tandems that switch local only traffic, Tandems that switch IntraLATA and InterLATA traffic (Access Tandem) and Tandems that switch both local and IntraLATA/InterLATA traffic (local/Access Tandem). In addition SBC-AMERITECH deploys Tandems that switch ancillary traffic such as 911 (911 Tandem), Operator Services/ Directory Assistance (OPS/DA Tandem), and mass calling (choke Tandem). Traffic on Tandem trunks does not terminate at the Tandem but is switched to other trunks that terminate the traffic in End Offices and ultimately to End Users.

4.3.9 When Tandem trunks are deployed, AT&T shall route appropriate traffic (i.e. only traffic to End Offices that subtend that Tandem) to the respective SBC-AMERITECH Tandems on the trunk groups defined in this Article IV. SBC-AMERITECH shall route appropriate traffic to AT&T switches on the trunk groups defined in this Article IV.

4.3.10 In all cases except a blocking situation, either Party upon receipt of a TGSR will issue an ASR to the other Party or will initiate a joint planning discussion:

4.3.10.1 Within twenty (20) business days after receipt of the TGSR, or

4.3.10.2 At any time as a result of either Party's own capacity management assessment, in order to begin the provisioning process, the intervals used for the provisioning process will be the same as those used for SBC-AMERITECH's Switched Access service.

4.3.11 Orders between the Parties to establish, add, change or disconnect trunks shall be processed by using an Access Service Request ("**ASR**"). AT&T will have administrative control for the purpose of issuing ASR's on two-way trunk groups. In SBC-AMERITECH where one-way trunks are used (as discussed in Section 4.3.1), SBC-

AMERITECH will issue ASRs for trunk groups for traffic that originates in SBC-AMERITECH and terminates to AT&T. The Parties agree that neither Party shall alter trunk sizing without first conferring with the other party.

4.3.12 Both Parties will jointly manage the capacity of Local Interconnection Trunk Groups. Both Parties may send a Trunk Group Service Request (“**TGSR**”) to the other Party to trigger changes to the Local Interconnection Trunk Groups based on capacity assessment. The TGSR is a standard industry support interface developed by the Ordering and Billing Forum of the Carrier liaison Committee of the Alliance for Telecommunications Solutions (“**ATIS**”) organization. TELCORDIA TECHNOLOGIES Special Report STS000316 describes the format and use of the TGSR.

4.3.13 In a blocking final situation, a TGSR will be issued by either Party when additional capacity is required to reduce measured blocking to objective design blocking levels based upon analysis of trunk group data. Either Party upon receipt of a TGSR in a blocking situation will issue an ASR to the other Party within three (3) business days after receipt of the TGSR. The Party issuing the ASR will note “Service Affecting” on the ASR.

4.3.14 Underutilization of Interconnection trunks and facilities exists when provisioned capacity is greater than the current need. Those situations where underutilization of interconnection trunks and facilities exists will be handled in the following manner:

4.3.14.1 If a trunk group is under seventy five percent (75%) of CCS capacity on a monthly average basis, for any consecutive one-hundred thirty five (135) day period, either Party may request the issuance of an order to resize the trunk group, which shall be left with not less than twenty five percent (25%) excess capacity. In all cases grade of service objectives shall be maintained.

4.3.14.2 Either Party may send a TGSR to the other Party to trigger changes to the Local Interconnection Trunk Groups based on capacity assessment. Upon receipt of a TGSR, the receiving Party will issue an ASR to the other Party within twenty (20) business days after receipt of the TGSR.

4.3.14.3 Upon review of the TGSR, if a Party does not agree with the resizing, the Parties will schedule a joint planning discussion within twenty (20) business days. The Parties will meet to resolve and mutually agree to the disposition of the TGSR.

4.3.14.4 If the originating Party does not receive an ASR, or if the receiving Party does not respond to the TGSR by scheduling a joint discussion within the twenty (20) business day period, the Party originating the TGSR will contact the other Party to schedule a joint planning discussion. If the receiving Party will not agree to meet within an additional five (5) business days and present adequate reason for keeping trunks

operational and after appropriate escalation under **Section 28.3.2**, the originating Party will issue an ASR to resize the Interconnection trunks and facilities.

4.3.15 Projects require the coordination and execution of multiple orders or related activities between and among SBC-AMERITECH and CLEC work groups, including but not limited to the initial establishment of Local Interconnection or Meet Point Trunk Groups and service in an area, NXX code moves, re-homes, facility grooming, or network rearrangements. Orders that comprise a Project, i.e., greater than four (4) DS-1's, shall be submitted at the same time, and their implementation shall be jointly planned and coordinated.

4.3.16 Due dates for the installation of Local Interconnection Trunks covered by this Article shall be based on each of the SBC- AMERITECH's intrastate Switched Access intervals. If AT&T is unable to or not ready to perform Acceptance Tests, or is unable to accept the Local Interconnection service arrangement trunk(s) by the due date, AT&T will provide SBC-AMERITECH with a requested revised service due date that is no more than forty-five (45) calendar days beyond the original service due date. If AT&T requests a service due date change that exceeds the allowable service due date change period, the ASR must be canceled by AT&T. Should AT&T fail to cancel such ASR within ten (10) days after notice to the Party specified in **Section 28.3.2**, SBC-AMERITECH shall treat that ASR as though it had been canceled.

4.3.17 Each Party agrees to service trunk groups to the foregoing blocking criteria in a timely manner when trunk groups exceed measured blocking thresholds on an average time consistent busy hour for a twenty (20) business day study period. The Parties agree that twenty (20) business days is the study period duration objective. However, a study period on occasion may be less than twenty (20) business days but at minimum must be at least five (5) business days to be utilized for engineering purposes, although with less statistical confidence.

4.3.18 Exchange of traffic data enables each Party to make accurate and independent assessments of trunk group service levels and requirements. Parties agree to establish a timeline for implementing an exchange of traffic data utilizing the DIXC process via a Network Data Mover ("NDM") or FTP computer to computer file transfer process. Implementation shall be within three (3) months of the date, or such date as agreed upon, that the trunk groups begin passing live traffic. The traffic data to be exchanged will be the Originating Attempt Peg Count, Usage (measured in Hundred Call Seconds), Overflow Peg Count, and Maintenance Usage (measured in Hundred Call Seconds on a seven (7) day per week, twenty-four (24) hour per day, fifty-two (52) weeks per year basis. These reports shall be made available at a minimum on a semi-annual basis upon request. Exchange of data on one-way groups is optional.

4.4 Tandem Trunking and Direct End Office Trunking.

4.4.1 SBC-AMERITECH deploys in its network Tandems that switch local only traffic, Tandems that switch IntraLATA and InterLATA traffic (Access Tandem) and Tandems that switch both local and IntraLATA/InterLATA traffic (local/Access Tandem). In addition SBC-AMERITECH deploys Tandems that switch ancillary traffic such as 911 (911 Tandem), Operator Services/ Directory Assistance (OPS/DA Tandem), and mass calling (choke Tandem). Traffic on Tandem trunks does not terminate at the Tandem but is switched to other trunks that terminate the traffic in End Offices and ultimately to End Users.

4.4.2 When Tandem trunks are deployed, AT&T shall route appropriate traffic (i.e. only traffic to End Offices that subtend that Tandem) to the respective SBC-AMERITECH Tandems on the trunk groups defined below. SBC-AMERITECH shall route appropriate traffic to AT&T switches on the trunk groups defined below.

4.4.3 While the Parties agree that it is the responsibility of AT&T to enter into arrangements with each third party carrier (ILECs or other CLECs) to deliver or receive transit traffic, SBC-AMERITECH acknowledges that such arrangements may not currently be in place and an interim arrangement will facilitate traffic completion on an interim basis. Accordingly, until the date on which either Party has entered into an arrangement with third-party carrier to exchange transit traffic to AT&T, SBC-AMERITECH will provide AT&T with transit service, pursuant to **Article VII**. AT&T agrees to use reasonable efforts to enter into agreements with third-party carriers as soon as possible after the Effective Date.

4.4.4 Notwithstanding anything to the contrary contained in this **Article IV**, if AT&T's originated traffic volumes on a one-way tandem trunk group exceeds the CCS busy hour equivalent of one (1) DS1 for 3 consecutive months to a certain SBC-AMERITECH end office, AT&T shall, within sixty (60) days after such occurrence, establish a new direct trunk group for such originating traffic to the applicable End Office(s) consistent with the grades of service and quality parameters set forth in the Plan. Upon request, SBC-AMERITECH will provide a DS-1 facility between an AT&T POI at an SBC-AMERITECH wire center and the applicable SBC-AMERITECH End Office(s) for AT&T's use in establishing the new direct trunk groups(s). SBC will charge AT&T SBC-AMERITECH's UNE DS-1 Interoffice Mileage Fixed and Per Mile rates listed in the Pricing Schedule for such DS-1 facility(ies). Also, should one Party choose to segregate onto a direct end office trunk group traffic that is equal to or greater than 500 busy hour CCS level, the other Party shall accept such trunk group. Should one Party choose to segregate onto a direct end office trunk group traffic that is less than a 500 busy hour CCS level, the other Party shall not unreasonably reject such trunk group.

4.4.5 Tandem Trunking – Multiple Tandem LATAs

4.4.5.1 Where SBC-AMERITECH has more than one Access Tandem in a LATA and AT&T elects a Tandem interconnection, IntraLATA Toll and Local traffic shall be combined on a single Local Interconnection Trunk Group at every

SBC-AMERITECH Tandem for calls destined to or from all End Offices that subtend each Tandem.

4.5 Signaling.

4.5.1 AT&T shall provide all SS7 signaling information including, without limitation, charge number and originating line information ("**OLI**"). For terminating FGD, SBC-AMERITECH will pass all SS7 signaling information including, without limitation, CPN if it receives CPN from FGD carriers. All privacy indicators will be honored. Where available, network signaling information such as transit network selection ("**TNS**") parameter, carrier identification codes ("**CIC**") (CCS platform) and CIC/OZZ information (non-SS7 environment) will be provided by AT&T wherever such information is needed for call routing or billing. The Parties will follow all OBF adopted standards pertaining to TNS and CIC/OZZ codes.

4.5.2 Signaling Interconnection may be used for signaling between AT&T switches, between AT&T switches and SBC-AMERITECH switches, and between AT&T switches and those third party networks with which SBC-AMERITECH's SS7 network is interconnected. SBC-AMERITECH's Common Channel Signaling Access Service ("**CCSAS**") allows interconnected carriers to exchange signaling information over a communications path that is separate from the message path. The transport portion of CCSAS commonly referred to as a signaling link, is provided via dedicated 56 kbps or higher out of band signaling connections between AT&T Signaling Point of Interconnection ("**SPOI**") at the STP and SBC-AMERITECH's Signaling Transfer Point ("**STP**"). The network termination point where the connection takes place is called the STP port termination.

4.5.3 Where available, Common Control Signaling or Common Channel Interoffice Signaling ("**CCS/CCIS**") signaling shall be used by the Parties to set up calls between the Parties' Telephone Exchange Service networks to handle local traffic and toll traffic. Each Party shall supply Calling Party Number ("**CPN**") within the SS7 signaling message, if available. Each Party shall charge the other Party equal and reciprocal rates for CCIS signaling at the rates set forth in the **Pricing Schedule**.

4.5.4 If CCS/CCIS is unavailable, Multi-Frequency ("**MF**") wink start signaling shall be used by the Parties. Each Party will outpulse the full ten-digit telephone number of the called party to the other Party with appropriate call set-up and Automatic Number Identification ("**ANI**") where available. Each Party shall charge the other Party equal and reciprocal rates for CCS/CCIS or MF signaling at the rates set forth in the **Pricing Schedule**.

4.5.5 Each Party is responsible for requesting Interconnection to the other Party's CCS/CCIS network, where SS7 signaling on the trunk group(s) is desired. Each Party shall connect to a pair of access STPs where traffic will be exchanged or shall arrange for signaling connectivity through a third party provider which is connected to the

other Party's signaling network. The Parties shall establish Interconnection at the STP. Implementation of new interconnection arrangements (as opposed to augmentation of existing arrangements) will include testing. Testing of SS7 interconnection shall include completion of all tests described in CCS/CCIS Network Interconnection Testing documents defined by the Internetwork Interoperability Test Plan ("**IITP**").

4.5.6 When the Parties establish new links subject to the terms and conditions of this Section 4.5, each Party shall provide its own STP port termination(s), each Party is responsible for all facility maintenance and provisioning on its side of the SPOI, and each Party shall charge the other Party for the signaling links as follows:

4.5.6.1 Where the SPOI for the signaling link is at a Mid Point Meet, there shall be no compensation between the Parties for the signaling link facilities used.

4.5.6.2 Where the SPOI for the signaling link facilities is located at the SBC-AMERITECH Wire Center where the signaling link facilities terminate and AT&T has furnished the interconnection facility, SBC-AMERITECH will pay a monthly charge equal to one half of AT&T provided facility charge according to SBC-AMERITECH's unbundled rate element for the facility used.

4.5.6.3 Where the SPOI for the signaling link facilities is located at the AT&T Switch Center where the signaling link facilities terminate and SBC-AMERITECH has furnished the interconnection facility. AT&T will pay a monthly charge equal to one half of the SBC-AMERITECH provided facility charge according to SBC-AMERITECH's unbundled rate element for the facility used.

4.5.7 The Parties will cooperate on the exchange of Transactional Capabilities Application Part ("**TCAP**") messages to facilitate interoperability of CCS/CCIS-based features between their respective networks, including all CLASS features and functions, to the extent each Party offers such features and functions to its Customers. All CCS/CCIS signaling parameters will be provided, including Calling Party Number ("**CPN**"), Originating Line Information ("**OLI**"), calling party category and charge number. All privacy indicators will be honored. The Parties will follow all relevant OBF adopted standards pertaining to CIC/OZZ codes. For terminating Exchange Access traffic, such information shall be passed by a Party to the extent that such information is provided to such Party.

4.5.8 Where either Party chooses 56 kbps transmission, the Parties agree to establish AMI line coding. Any AMI line coding will be superframe formatted. DS3 facilities will be provisioned with C-Bit parity.

4.5.9 AT&T's process for billing Signaling, Port and Message Usage is outlined below. For CCS/CCIS network usage dedicated to network Interconnection, AT&T will apply its tariffed monthly recurring and non-recurring rates for Ports and Links

used by SBC-AMERITECH as well as a per message CCS/CCIS call set-up charge. AT&T will bill SBC-AMERITECH a per-signaling message charge applied to each inbound call attempt. (See example below) This usage bill will be based on Initial Address Messages (“IAM”). Transaction Capabilities Application Part (“TCAP”) messages are not part of AT&T’s current service offering. If, in the future, AT&T requires TCAP messages to be exchanged, the Parties will negotiate appropriate rates.

Example:

BILL TOTAL # CALL ATTEMPTS X IAM PER MESSAGE = SS7 USAGE

4.6 Grades of Service. The Parties shall initially engineer and shall jointly monitor and enhance all trunk groups consistent with this Agreement and the trunking plans agreed to by the Parties.

4.7 Trunk Design Blocking Criteria. Trunk requirements for forecasting and servicing shall be based on the blocking objectives shown in **Table 1**. Trunk requirements shall be based upon time consistent average busy season, busy hour twenty (20) day averaged loads applied to industry standard Neal-Wilkinson Trunk Group Capacity algorithms (use Medium day-to-day Variation and 1.0 Peakedness factor until actual traffic data is available).

TABLE 1

<u>Trunk Group Type</u>	<u>Design Blocking Objective</u>
Local Tandem	1%
Local Direct End Office (Primary High)	ECCS*
Local Direct End Office (Final)	2%
IntraLATA	1%
Local/IntraLATA	1%
InterLATA (Meet Point) Tandem	0.5%
911	1%
Operator Services (DA/DACC)	1%
Operator Services (0+, 0-)	1%
Busy Line Verification-Inward Only	1%

*During implementation the Parties will mutually agree on an ECCS or some other means for the sizing of this trunk group.

4.8 Measurement and Billing.

4.8.1 For billing purposes, each Party shall pass original and true Calling Party Number (“CPN”) information on each call that it originates over the Local/IntraLATA Trunks. Neither Party will alter the CPN Field.

4.8.2 If one Party is passing CPN but the other Party is not properly receiving information, the Parties will work cooperatively to correct the problem.

4.8.3 Where SS7 connections exist, if the percentage of calls passed with CPN is greater than ninety percent (90%), all calls exchanged without CPN information will be billed as either Local Traffic or intraLATA Toll Traffic in direct proportion to the minutes of use (“MOU”) of calls exchanged with CPN information, based upon a percentage of local usage (“PLU”) factor calculated based on the amount of actual volume during the preceding three (3) months. The PLU will be reevaluated every three (3) months. If the percentage of calls passed with CPN is less than ninety percent (90%), all calls passed without CPN will be billed as intraLATA switched access.

4.8.4 Measurement of Telecommunications traffic billed shall be in tenths of seconds by call type, and accumulated each billing period into one (1) minute increments for billing purposes in accordance with industry rounding standards.

4.8.5 Each Party to this Agreement will be responsible for the accuracy and quality of its data as submitted to the respective Parties involved.

4.9 Reciprocal Compensation

4.9.1 SBC-AMERITECH and AT&T shall exchange all local (251 (b)(5)) traffic and ISP-bound traffic at the applicable reciprocal compensation rates (end office and tandem rates) established in Case No. 96-922-TP-UNC unless and until SBC-AMERITECH elects to utilize for the State of Ohio the intercarrier compensation plan established by the FCC in its April 18, 2001 Order on Remand and Report and Order in CC Docket Nos. 96-98 and 99-68, In the Matter of Intercarrier Compensation for ISP-Bound Traffic (“Intercarrier Compensation Remand Order”). Subject to the reservation of both parties’ rights in the event the Intercarrier Compensation Remand Order is reversed or modified on appeal, upon such election by Ameritech, the parties shall begin to negotiate in good faith an amendment to this Agreement that reflects the application of the intercarrier compensation plan established in the Intercarrier Compensation Remand Order. In the event that such amendment is not negotiated within ninety (90) days after such election, or if at any time during such 90-day period the Parties shall have ceased to negotiate such new terms for a continuous period of fifteen (15) days, the dispute shall be resolved as provided in Section 28.3 of this Agreement. Such amendment and any new rates contained therein shall have an effective date 30 days after the date of SBC-AMERITECH’s election under the intercarrier compensation remand order provided that, as an administrative matter, AT&T may have up to 60 days following the date of the election to ensure that its billing reflects the amended rates, terms and conditions. By executing this Agreement and carrying out the intercarrier compensation rates, terms and conditions herein, the Parties do not waive any of their rights, and expressly reserve all of their rights, under the ISP Compensation Remand Order, as the same may be modified pursuant to any appeal or review thereof.

4.9.3 Each Party will calculate terminating interconnection minutes of use based on standard Automatic Message Accounting recordings made within each Party's network. These recordings are the basis for each Party to generate bills to the other Party. The total conversation seconds over each individual Local Interconnection Trunk Group, measured in accordance with Section 4.8.4, will be totaled for the entire monthly bill and then rounded to the next whole minute.

4.9.4 Each Party will provide to the other, within fifteen (15) calendar days, after the end of each quarter, a report showing the PLU described in Section 4.8.3.

4.9.5 The Reciprocal Compensation arrangements set forth in this Agreement are not applicable to Switched Exchange Access Service. All Switched Exchange Access Service and all IntraLATA Toll Traffic shall continue to be governed by the terms and conditions of the applicable federal and state tariffs.

4.9.6 Each Party shall charge the other Party its effective applicable federal and state tariffed intraLATA FGD switched access rates for the transport and termination of all IntraLATA Toll Traffic.

4.10 Local Traffic Compensation. The rates, terms, conditions contained herein apply only to the termination of Local Calls that originate and terminate to carriers that are authorized as LECs, CLECs, or ILECs within the State. All applicable state-specific rate elements can be found in the Pricing Schedule.

4.10.1 Application of End Office Rate or Tandem Rate.

If AT&T establishes direct interconnection trunks between its Switch Center and SBC-AMERITECH's Tandem Office Switch, the reciprocal Tandem Rate will apply to local traffic exchanged by the Parties which has been carried over such tandem interconnection trunks. If AT&T establishes direct interconnection trunks between its Switch Center and SBC-AMERITECH's End Office Switch, the reciprocal End Office Rate will apply to local traffic exchanged by the Parties which has been carried over such direct End Office to End Office interconnection trunks. Both the End Office Rate and the Tandem Rate shall be those established by the Commission in Case No. 96-922-TP-UNC.

4.10.2

4.10.2.1 PLU is calculated by dividing the Local MOU originated by that party by the total intrastate or intrastate IntraLATA MOU (including local traffic) originated by that Party.

4.10.2.2 Upon thirty (30) days written notice, each Party must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic between the Parties' networks. The Parties agree to retain records of call detail for six (6) months from when the calls were initially reported to the other

Party. The audit will be conducted during normal business hours at an office designated by the Party being audited. Audit requests shall not be submitted more frequently than once per calendar year for each call detail type unless a subsequent audit is required. Audits shall be performed by a mutually acceptable independent auditor paid for by the Party requesting the audit. Based upon the audit, previous compensation, billing and/or settlements will be adjusted for the past twelve (12) months. Also, if the PLU is adjusted based upon the audit results, the adjusted PLU will apply for the nine (9) month period following the completion of the audit. If, as a result of the audit, either Party has overstated the PLU or underreported the call detail usage by twenty percent (20%) or more, that Party shall reimburse the auditing Party for the cost of the audit and will pay for the cost of a subsequent audit which is to happen within nine (9) months of the initial audit.

ARTICLE V
TRANSMISSION AND ROUTING OF EXCHANGE
ACCESS TRAFFIC PURSUANT TO 251(c)(2)

5.0 Transmission and Routing of Exchange Access Traffic Pursuant to 251(c)(2).

5.1 Scope of Traffic. Article V prescribes parameters for certain trunk groups (“Access Toll Connecting Trunks”) to be established over the Interconnections specified in Article III for the transmission and routing of Exchange Access traffic and 8YY traffic between AT&T Telephone Exchange Service Customers and Interexchange Carriers.

5.2 Trunk Group Architecture and Traffic Routing.

5.2.1 AT&T shall establish Access Toll Connecting Trunks in GR-394-Core format by which it will provide Tandem-transported Switched Exchange Access Services to Interexchange Carriers to enable such Interexchange Carriers to originate and terminate traffic from and to AT&T's Customers.

5.2.2 Access Toll Connecting Trunks shall be used solely for the transmission and routing of (Feature Group B and D) Exchange Access and 800/888 traffic to allow each Party's Customers to connect to or be connected to the interexchange trunks of any Interexchange Carrier which is connected to the other Party's access Tandem.

5.2.3 The Access Toll Connecting Trunks shall be two-way trunks connecting an End Office Switch that AT&T utilizes to provide Telephone Exchange Service and Switched Exchange Access Service in a given LATA to an access Tandem Switch SBC-AMERITECH utilizes to provide Exchange Access in such LATA. The Access Toll Connecting Trunks may, at AT&T's election, be 64 Kb Clear Channel trunks or 56Kb trunks. The parties agree that this Agreement does not limit AT&T from requesting other bandwidth levels or trunking parameters and SBC-AMERITECH agrees that its acceptance of such a request will not be unreasonably withheld.

5.2.4 In each LATA where the parties are interconnected, each AT&T Switch Center in that LATA shall subtend an SBC-AMERITECH access Tandem in that LATA .

5.2.5 Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

5.3 8YY Interconnection.

5.3.1 Trunk Ordering and Provisioning.

5.3.1.1 AT&T may order from SBC-AMERITECH and SBC-AMERITECH shall provide the trunking arrangements described in this **Section 5.3** so that AT&T's Digital Link customers may place outbound 8YY calls (i.e., 800, 888, 877 etc. prefix calls) to carriers other than AT&T and multi-carrier 8YY calls.

5.3.1.2 AT&T may order from SBC-AMERITECH and SBC-AMERITECH shall provision, separate 64 Kb Clear Channel trunk groups and will be in addition to any existing trunk groups currently in place between the Parties. All trunk groups shall be designated TCT groups.

5.3.1.3 AT&T and SBC-AMERITECH agree that AT&T may serve any AT&T customer using any AT&T Switch Center, including an AT&T Switch Center that is not physically located in the LATA where the AT&T customer and the SBC-AMERITECH Tandem are located.

5.3.2 8YY Interconnection Arrangement A.

5.3.2.1 Under 8YY Interconnection Arrangement A, AT&T shall submit and SBC-AMERITECH shall accept an ASR for a separate 64 Kb Clear Channel Access TCT group dedicated to the transmission and routing of non-translated (i.e., "undipped") 8YY traffic from an AT&T 4ESS® switch to an SBC-AMERITECH access Tandem.

5.3.2.2 If the AT&T 4ESS® switch is located in the same LATA as the SBC-AMERITECH Tandem, the TCT trunk group will connect the 4ESS® switch to the SBC-AMERITECH Tandem in the LATA.

5.3.2.3 If the AT&T 4ESS® switch is not located in the same LATA as the originating AT&T customer and the serving SBC-AMERITECH Tandem, the TCT trunk group shall be provisioned from a POI in the LATA in which both the originating AT&T customer and the serving SBC-AMERITECH Tandem are located.

5.3.2.4 SBC-AMERITECH and AT&T agree to jointly engineer the Access TCTs such that they shall be one-way trunks and shall be used solely for the transmission and routing of non-translated 8YY traffic to allow AT&T's Customers located in a LATA to connect to or be connected to the interexchange trunks of any Interexchange Carrier that is connected to an SBC-AMERITECH access Tandem located in the same LATA.

5.3.2.5 The following requirements, including those relating to Billing, Signaling, Recording, and Provisioning, shall apply to all trunking arrangements provisioned under this subsection relating to 8YY Interconnection Arrangement A:

- (a) SBC-AMERITECH shall provide and/or produce an 110125 Record for each call sent over the 8YY trunk group if the ANI or

CPN belongs to AT&T or an AT&T End User. In return, AT&T shall send an 1150 Summary Record back to SBC-AMERITECH to allow SBC-AMERITECH to produce the appropriate billing to the appropriate 8YY carrier.

(b) Subject to subsections (c) of this **Section 5.3.2.5**, the determination of the originating carrier of the 8YY call should be done using the Jurisdictional Information Parameter (“JIP”) to insure the accuracy of billing records.

(c) SBC-AMERITECH will deploy the necessary upgrades to its switches and other associated systems to incorporate the JIP within the same scheduled time frame as its Southwestern Bell Telephone Company Affiliates generally deploy such upgrades and systems to incorporate the JIP.

(d) AT&T and SBC-AMERITECH will follow customary industry standards on billing for access services as defined in the appropriate tariffs and/or contracts.

5.3.3 8YY Interconnection Arrangement B.

5.3.3.1 Under 8YY Interconnection Arrangement B, AT&T shall submit and SBC-AMERITECH shall accept an ASR for trunk groups necessary for the transmission and routing of translated (i.e., “dipped”) 8YY traffic to SBC-AMERITECH from an AT&T or AT&T affiliate Switch Center (such as an 5ESS® or equivalent switch) that will perform the necessary Switching Service Point functions and queries to an Industry Toll-Free Database.

5.3.3.2 If the AT&T Switch is located in the same LATA as the serving SBC-AMERITECH Tandem, the existing two-way TCT trunk group will connect the AT&T Switch to the serving SBC-AMERITECH Tandem, or, in the case of a new interconnection, the two-way TCT trunks provisioned during the initial network turn-up would be used.

5.3.3.3 If the AT&T Switch Center performing Switching Service Point functions and queries to an Industry Toll-Free Database is not located in the same LATA as the serving SBC-AMERITECH Tandem, the TCT trunk group shall be provisioned from a POI in the LATA in which both the originating AT&T customer and the serving SBC-AMERITECH Tandem are located.

5.3.3.4 SBC-AMERITECH and AT&T agree to jointly engineer the 8YY Interconnection Arrangement B trunk groups to be used solely for the transmission and routing of either Local Traffic or Exchange Access traffic (both of which includes translated 8YY traffic) to allow AT&T’s Customers to connect to or be connected to

the interexchange trunks of any Interexchange Carrier that is connected to an SBC-AMERITECH access Tandem or POI.

5.3.3.5 The 8YY Interconnection Arrangement B trunk groups shall be jointly engineered as follows:

- (1) AT&T may elect (at its sole discretion) to send its customers' originating non-translated 8YY calls to an AT&T Switch Center that is located outside the LATA in which the AT&T customer is located to perform the necessary Switching Service Point functions and queries to an Industry Toll-Free Database. In such case, the Parties will provision one-way trunk groups between a POI in the LATA in which the AT&T customer is located and the SBC-AMERITECH Tandem switch in that LATA to allow these calls to be routed to those interexchange carriers connected to the SBC-AMERITECH Tandem switch.
- (2) Alternatively, AT&T may elect (at its sole discretion) to send its customers' non-translated 8YY calls to an AT&T Switch Center that is located within the LATA in which the AT&T customer is located to perform the necessary Switching Service Point functions and queries to an Industry Toll-Free Database. In such case, the parties will use the existing two-way 64 Kb TCT trunk groups between the AT&T Switch Center performing the necessary Switching Service Point functions and queries to an Industry Toll-Free Database and the SBC-AMERITECH Tandem to allow these calls to be routed to those interexchange carriers connected to the SBC-AMERITECH Tandem switch.

5.4 InterLATA (Meet Point) Trunk Group.

5.4.1 InterLATA traffic shall be transported between AT&T Switch Center and the SBC-AMERITECH Access or combined local/Access Tandem over a "meet point" trunk group separate from local and IntraLATA toll traffic. The InterLATA trunk group will be established for the transmission and routing of exchange access traffic between SBC-AMERITECH's or AT&T's End Users and inter exchange carriers via an AT&T switch or SBC-AMERITECH Access Tandem, as the case may be.

5.4.2 When SBC-AMERITECH has more than one Access Tandem in a LATA, AT&T shall establish an InterLATA trunk group to each SBC-AMERITECH Access Tandem where the AT&T has homed its NXX code(s). If the Access Tandems are in two different states, AT&T shall establish an InterLATA trunk group with one Access Tandem in each state.

5.4.3 AT&T will home its NPA-NXXs to the Access Tandem that serves the LATA for the V&H coordinate assigned to the NXX.

5.4.4 If either Party uses its NXX Code to provide foreign exchange service to its customers outside of the geographic area assigned to such code, that Party shall be solely responsible to transport traffic between its foreign exchange service customer and such code's geographic area.

5.4.5 SBC-AMERITECH will not block switched access customer traffic delivered to any SBC-AMERITECH Tandem for completion on AT&T's network. SBC-AMERITECH shall have no responsibility to ensure that any switched access customer will accept traffic that AT&T directs to the switched access customer. SBC-AMERITECH also agrees to furnish AT&T, upon request, a list of those IXCs which also Interconnect with SBC-AMERITECH's Access Tandem(s).

5.5 Signaling.

5.5.1 The Parties will exchange SS7 signaling messages with one another, where and as available, to handle meet point billing traffic and transit traffic.

5.5.2 The Parties will provide all line information signaling parameters including, but not limited to, Calling Party Number, Charge Number (if it is different from calling party number), and originating line information ("**OLI**").

5.5.3 For terminating FGD, each Party will pass any CPN it receives from other carriers.

5.5.4 All privacy indicators will be honored.

5.5.5 Where available, network signaling information such as Transit Network Selection ("**TNS**") parameter (SS7 environment) will be provided by the Originating Party whenever such information is needed for call routing or billing. Where TNS information has not been provided by the Originating Party, the Tandem Party will route originating Switched Access traffic to the IXC using available translations. The Parties will follow all industry Ordering and Billing Forum ("**OBF**") adopted guidelines pertaining to TNS codes.

5.6 High Volume Call In (HVCI) / Mass Calling (Choke) Trunk Group. The Parties will cooperate to establish separate choke trunk groups for the completion of calls such as radio contest lines, etc., unless this is determined to be unnecessary by both parties because they have implemented "Call Gapping" software, or other call control measures. When completing a new interconnection in an existing LATA or a new interconnection in a new LATA, AT&T will establish a SS7 based choke trunk group if SBC-Ameritech has a Choke NPA in that LATA.

SBC-AMERITECH OHIO/ AT&T
INTERCONNECTION AGREEMENT

ARTICLE VI
FRAUD CONTROL, NETWORK SECURITY AND LAW ENFORCEMENT

6.0 Fraud Control, Network Security and Law Enforcement.

6.1 Protection of Service and Property.

6.1.1 The Parties will exercise due care to prevent harm or damage to their respective employees, agents or customers, or their property. The Parties' employees, agents, or representatives agree to take reasonable and prudent steps to ensure the adequate protection of their respective property and services. In recognition of its obligation under this Article, SBC-AMERITECH agrees to take the following reasonable and prudent steps, including but not limited to:

6.1.2 Restricting access to AT&T equipment, support equipment, systems, tools and data, or spaces which contain or house AT&T equipment to the extent SBC-AMERITECH provides this protection to its own facilities. SBC-AMERITECH will provide access to AT&T employees and its agents based on AT&T providing a list of authorized personnel. AT&T employees and authorized agents must display identification required by SBC-AMERITECH.

6.1.3 SBC-AMERITECH will follow mutually agreed upon notification procedures in the event it becomes necessary for a SBC-AMERITECH employee to enter into the exclusive AT&T collocated space.

6.1.4 Each Party will comply at all times with the other Party's, i.e., the Landlord's, security and safety procedures and requirements, including but not limited to sign in and identification requirements while in spaces which house or contain the other Party's equipment or equipment enclosures.

6.1.5 Allowing AT&T to inspect or observe spaces which house or contain AT&T equipment or equipment enclosures after such time as SBC-AMERITECH has turned over the collocation area to AT&T and to furnish AT&T with all keys, entry codes, lock combinations, or other materials or information which may be needed to gain entry into any secured AT&T space.

6.1.6 Provide card access, coded locks or keyed locks providing security to the exclusive AT&T collocated space that is unique to that space.

6.1.7 Ensuring that the area which houses AT&T's equipment is adequately secured to prevent unauthorized entry to the same level as SBC-AMERITECH provides to itself.

6.1.8 Limiting the keys used in SBC-AMERITECH's keying systems for cages which contain or house AT&T equipment or equipment enclosures to SBC-AMERITECH's employees or required safety personnel (in compliance with governing building or fire codes) for required access only. Any access required other than emergency will be coordinated with AT&T to allow escort opportunity. SBC-AMERITECH will change locks at AT&T's request. The expense will be borne by SBC-AMERITECH where a security breach is known or suspected and the breach is caused by SBC-AMERITECH.

6.1.9 Installing security studs in the hinge plates of doors having exposed hinges with removable pins that lead to spaces or equipment enclosures which house or contain AT&T equipment, provided AT&T has requested the installation of such security studs and has agreed to pay the full expense for such installation.

6.1.10 Controlling unauthorized access from passenger and freight elevators by continuous surveillance or by installing security partitions, security grills, locked gates or doors between elevator lobbies and spaces which contain or house AT&T equipment or equipment enclosures.

6.1.11 Providing notification to designated AT&T personnel to report any actual or attempted security breach involving AT&T's equipment or equipment enclosures as soon as reasonably practicable after SBC-AMERITECH has become aware of such actual or attempted security breach.

6.1.12 Each Party agrees to provide to the other Party its back-up and recovery plan for review and reasonable acceptance by the other Party to be used in the event of a security system failure or emergency.

6.1.13 In the event that **Article XII** addresses any matter also covered by this Article, the provisions of **Article XII** prevail.

6.2 Data and System Protection.

6.2.1 Joint Security Requirements.

6.2.1.1 Both Parties will maintain accurate and auditable records that monitor user authentication and machine integrity and confidentiality (e.g., password assignment and aging, chronological logs configured, system accounting data, etc.)

6.2.1.2 Both Parties shall maintain accurate and complete records detailing the individual data connections and systems to which they have granted the other Party access or interface privileges. These records will include, but are not limited to, user ID assignment, user request records, system configuration, and time limits of user access or system interfaces. These records should be kept until the termination of this Agreement or the termination of the requested access by the identified individual.

Either Party may initiate a compliance review of the connection records to verify that only the agreed to connections are in place and that the connection records are accurate.

6.2.1.3 Each Party shall notify the other party immediately, upon termination of employment of an individual user with approved access to the other Party's network.

6.2.1.4 Both Parties shall use an industry standard virus detection software program at all times. The Parties shall immediately advise each other by telephone upon actual knowledge that a virus or other malicious code has been transmitted to the other Party.

6.2.1.5 All physical access to equipment and services required to transmit data will be in secured locations. Verification of authorization will be required for access to all such secured locations. A secured location is where walls and doors are constructed and arranged to serve as barriers and to provide uniform protection for all equipment used in the data connections which are made as a result of the user's access to either the AT&T or SBC-AMERITECH network. At a minimum, this shall include: access doors equipped with card reader control or an equivalent authentication procedure and/or device, and egress doors which generate a real-time alarm when opened and which are equipped with tamper resistant and panic hardware as required to meet building and safety standards.

6.2.1.6 Both Parties shall maintain accurate and complete records on the card access system or lock and key administration to the rooms housing the equipment utilized to make the connection(s) to the other Party's network. These records will include management of card or key issue, activation or distribution and deactivation.

6.2.2 Additional Responsibilities of Both Parties.

6.2.2.1 Modem/DSU Maintenance And Use Policy. To the extent the access provided hereunder involves the support and maintenance of AT&T equipment on SBC-AMERITECH's premises, such maintenance will be provided under terms agreed to by the Parties.

6.2.2.2 Monitoring. Each Party will monitor its own network relating to any user's access to the Party's networks, processing systems, and applications. This information may be collected, retained, and analyzed to identify potential security risks without notice. This information may include, but is not limited to, trace files, statistics, network addresses, and the actual data or screens accessed or transferred.

6.2.2.3 Each Party shall notify the other Party's security organization immediately upon initial discovery of actual or suspected unauthorized access to, misuse of, or other "at risk" conditions regarding the identified data facilities or information. Each Party shall provide a specified point of contact. If either Party suspects

unauthorized or inappropriate access, the Parties shall work together to isolate and resolve the problem.

6.2.2.4 In the event that one Party identifies inconsistencies or lapses in the other Party's adherence to the security provisions described herein, or a discrepancy is found, documented and delivered to the non-complying Party, a corrective action plan to address the identified vulnerabilities must be provided by the non-complying Party within thirty (30) calendar days of the date of the identified inconsistency. The corrective action plan must identify what will be done, the Party accountable/responsible, and the proposed compliance date. The non-complying Party must provide periodic status reports to the other Party's security organization on the implementation of the corrective action plan in order to track the work to completion.

6.2.2.5 In the event there are technological constraints or situations where either Party's corporate security requirements cannot be met, the Parties will institute mutually agreed upon alternative security controls and safeguards to mitigate risks.

6.2.2.6 All network-related problems will be managed to resolution by the respective organizations, AT&T or SBC-AMERITECH, as appropriate to the ownership of a failed component. As necessary, AT&T and SBC-AMERITECH will work together to resolve problems where the responsibility of either Party is not easily identified.

6.2.3 Information Security Policies And Guidelines For Access To Computers, Networks and Information By Non-Employee Personnel.

6.2.3.1 Information security policies and guidelines are designed to protect the integrity, confidentiality and availability of computer, networks and information resources. This summary provides a convenient reference for individuals who are not employees of the Party that provides the computer, network or information, but have authorized access to that Party's systems, networks or information. Questions should be referred to AT&T or SBC-AMERITECH, respectively, as the providers of the computer, network or information in question.

6.2.3.2 It is each Party's responsibility to notify its employees, contractors and vendors who will have access to the other Party's network, on the proper security responsibilities identified within this Article. Adherence to these policies is a requirement for continued access to the other Party's systems, networks or information. Exceptions to the policies must be requested in writing and approved by the other Party's information security organization.

6.2.4 General Policies.

6.2.4.1 Each Party's resources are for approved business purposes only.

6.2.4.2 Each Party may exercise at any time its right to inspect, record, and/or remove all information contained in its systems, and take appropriate action should unauthorized or improper usage be discovered.

6.2.4.3 Individuals will only be given access to resources that they are authorized to receive and which they need to perform their job duties. Users must not attempt to access resources for which they are not authorized.

6.2.4.4 Authorized users must not develop, copy or use any program or code which circumvents or bypasses system security or privilege mechanism or distorts accountability or audit mechanisms.

6.2.4.5 Actual or suspected unauthorized access events must be reported immediately to each Party's security organization or to an alternate contact identified by that Party. Each Party shall provide its respective security contact information to the other.

6.2.5 User Identification.

6.2.5.1 Access to each Party's corporate resources will be based on identifying and authenticating individual users in order to maintain clear and personal accountability for each user's actions.

6.2.5.2 User identification shall be accomplished by the assignment of a unique, permanent userid, and each userid shall have an associated identification number for security purposes.

6.2.5.3 Userids will be revalidated pursuant to each Party's corporate policies.

6.2.6 User Authentication.

6.2.6.1 Users will usually be authenticated by use of a password. Strong authentication methods (e.g. one-time passwords, digital signatures, etc.) may be required in the future.

6.2.6.2 Passwords must not be stored in script files.

6.2.6.3 Passwords must be entered by the user in real time.

6.2.6.4 Passwords must be at least six to eight (6-8) characters in length, not blank or a repeat of the userid; contain at least one letter, and at least one

number or special character must be in a position other than the first or last one. This format will ensure that the password is hard to guess. Most systems are capable of being configured to automatically enforce these requirements. Where a system does not mechanically require this format, the users must manually follow the format.

6.2.6.5 Systems will require users to change their passwords regularly (usually every thirty-one (31) days).

6.2.6.6 Systems are to be configured to prevent users from reusing the same password for six (6) changes/months.

6.2.6.7 Personal passwords must not be shared. A user who has shared his password is responsible for any use made of the password.

6.2.7 Access and Session Control.

6.2.7.1 Destination restrictions will be enforced at remote access facilities used for access to OSS Interfaces. These connections must be approved by each Party's corporate security organization.

6.2.7.2 Terminals or other input devices must not be left unattended while they may be used for system access. Upon completion of each work session, terminals or workstations must be properly logged off.

6.2.8 User Authorization.

6.2.8.1 On the destination system, users are granted access to specific resources (e.g. databases, files, transactions, etc.). These permissions will usually be defined for an individual user (or user group) when a userid is approved for access to the system.

6.2.9 Software and Data Integrity.

6.2.9.1 Each Party shall use a comparable degree of care to protect the other Party's software and data from unauthorized access, additions, changes and deletions as it uses to protect its own similar software and data. This may be accomplished by physical security at the work location and by access control software on the workstation.

6.2.9.2 Untrusted software or data shall be scanned for viruses before use on a Party's corporate facilities that can be accessed through the direct connection or dial up access to OSS interfaces.

6.2.9.3 Unauthorized use of copyrighted software is prohibited on each Party's corporate systems that can be access through the direct connection or dial up access to OSS Interfaces.

6.2.9.4 Proprietary software or information (whether electronic or paper) of a Party shall not be given by the other Party to unauthorized individuals. When it is no longer needed, each Party's proprietary software or information shall be returned by the other Party or disposed of securely. Paper copies shall be shredded. Electronic copies shall be overwritten or degaussed.

6.2.10 Monitoring and Audit.

6.2.10.1 To deter unauthorized access events, a warning or no-trespassing message will be displayed at the point of initial entry (i.e., network entry or applications with direct entry points). Each Party should have several approved versions of this message. Users should expect to see a warning message similar to this one:

"This is a (SBC-AMERITECH or AT&T) system restricted to Company official business and subject to being monitored at any time. Anyone using this system expressly consents to such monitoring and to any evidence of unauthorized access, use, or modification being used for criminal prosecution."

6.2.10.2 After successful authentication, each session will display the last logon date/time and the number of unsuccessful logon attempts. The user is responsible for reporting discrepancies.

6.3 Revenue Protection.

6.3.1 SBC-AMERITECH will make available to AT&T all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality to the same extent that SBC-AMERITECH provides such protection to itself. These features include, but are not limited to, screening codes and call blocking of international, 900 and 976 numbers. These features may include: (i) disallowance of call forwarding to international locations, (ii) coin originating ANI II digits, (iii) dial tone re-origination patches, (iv) terminating blocking of 800, and (v) 900/976 blocking.

6.3.2 SBC-AMERITECH will provide to AT&T the same procedures to detect and correct the accidental or malicious alteration of software underlying Network Elements or their subtending operational support systems by unauthorized third parties in the same manner it does so for itself.

6.3.3 SBC-AMERITECH will make a reasonable effort to protect and correct against unauthorized physical attachment, e.g. clip-on fraud, to loop facilities from the Main Distribution Frame up to and including the Network Interface Device.

6.3.4 The Parties shall work cooperatively to minimize fraud associated with third-number billed calls, calling card calls, and any other services related to this Agreement.

6.3.4.1 SBC-AMERITECH shall not be liable to AT&T for any fraud associated with AT&T's end user's account including 1+ IntraLATA toll, ported numbers and Alternatively Billed Service (ABS), unless it is determined that fraud has been committed by an employee or other person under the control of SBC-AMERITECH, or if fraud results from a negligent act of an employee or other person under the control of SBC-AMERITECH. All of such scenarios are to be addressed by SBC-AMERITECH's proposed language in **Section 26.3**. Alternatively Billed Service ("ABS") is a service that allows End Users to bill calls to account(s) that might not be associated with the originating line. There are three types of ABS calls: calling card, collect, and third number billed calls.

6.3.4.2 SBC-AMERITECH shall use the Sleuth system to determine suspected occurrences of ABS-related fraud for AT&T customers, using the same criteria SBC-AMERITECH uses to monitor fraud on its own accounts. As used herein, "Sleuth" shall mean "Sleuth system or comparable fraud detection system."

6.3.4.2.1 SBC-AMERITECH will provide notification messages to AT&T on suspected occurrences of ABS-related fraud on AT&T accounts stored in the applicable LIDB. SBC-AMERITECH will provide these fraud notification messages ("alerts") to AT&T within two (2) hours of the Sleuth alert being generated. Subsequent to AT&T's investigation of the Sleuth alert, AT&T's Fraud Center will notify SBC-AMERITECH of any action that needs to be taken. SBC-AMERITECH will complete such action as requested by AT&T within two (2) hours of AT&T's request.

6.3.4.2.2 AT&T understands that Sleuth alerts only identify potential occurrences of fraud. AT&T understands and agrees that it will need to perform its own investigations to determine whether a fraud situation actually exists. AT&T understands and agrees that it will also need to determine what, if any, action should be taken as a result of a Sleuth alert.

6.3.4.2.3 The Parties will provide contact names and numbers to each other for the exchange of Sleuth alert notification information twenty-four (24) hours per day seven (7) days per week.

6.3.4.2.4 For each alert notification provided to AT&T, AT&T may request a corresponding thirty-day (30-day) historical report of ABS-related query processing. AT&T may request up to three reports per alert.

6.3.4.2.5 ABS-related alerts are provided to AT&T at no additional charge.

6.3.4.3 Within six (6) months of approval of this Agreement by the Commission, SBC-AMERITECH will provide AT&T with a direct, near real time, electronic transmission of LIDB requests for Alternatively Billed Services (Collect and/or Billed to Third Party calls billed to AT&T customers) in the same manner SBC-AMERITECH does so for itself.

6.3.5 The Parties agree that AT&T reserves the right to negotiate, as needed, the rates, terms and conditions of a 1+ IntraLATA toll fraud service provided by SBC-AMERITECH.

6.4 Law Enforcement Interface.

6.4.1 SBC-AMERITECH will provide AT&T with a SPOC with whom to interface on a twenty-four (24) hour, seven (7) day a week basis for situations involving immediate threat to life or at the request of law enforcement officials. Court orders authorizing surveillance of AT&T customers provisioned on SBC-AMERITECH facilities (AT&T Local and ALS Type II, as hereinafter defined) shall be served on both AT&T and SBC-AMERITECH. SBC-AMERITECH shall provide law enforcement with all necessary assistance, including plant information and local loop access, to facilitate implementation of such court orders. Once AT&T implements CALEA solutions in its switches, AT&T will assume full responsibility for the implementation of court-ordered surveillance on ALS Type II customers.

6.4.1.1 As used in this Article, the term ALS Type II shall mean customers connected to the AT&T network through SBC-AMERITECH-owned facilities. ALS Type II customers are located in a building which is connected to an SBC-AMERITECH Central Office by an SBC-AMERITECH-owned cable using customer's premise equipment connected to that cable. At the SBC-AMERITECH Central Office utilizing collocation arrangements, ALS Type II customer's circuit(s) are connected to an AT&T fiber-optic facility which transports traffic to and from an AT&T Central Office.

6.4.2 When the end-user to be tapped, traced, etc. is an AT&T Local or ALS Type II customer provisioned on SBC-AMERITECH facilities, SBC-AMERITECH shall advise the requesting law enforcement agency to name both AT&T and SBC-AMERITECH in the court order and serve both carriers. SBC-AMERITECH shall adhere to all terms of an applicable court order and, unless prohibited by the terms of such applicable court order, notify AT&T directly of the law enforcement agency request within one (1) business day of receiving the request. SBC-AMERITECH shall provide law enforcement with all necessary assistance, including plant information and access to the local loop, to facilitate implementation of such court orders. Once AT&T implements CALEA solutions in its switches, AT&T will assume full responsibility for the implementation of court-ordered surveillance on ALS Type II customers.

6.4.3 Each Party shall bill the appropriate law enforcement agency for these services under its customary practices. Where the law enforcement agency will not

reimburse the Party for its compliance with a court order or other request for information, each Party shall be responsible for its own costs associated with compliance or assisting the other Party to comply.

6.4.4 SBC-AMERITECH and AT&T shall reasonably cooperate with the other Party in handling law enforcement requests as follows:

6.4.4.1 Intercept Devices. Should either Party receive a court order authorizing surveillance on the other Party's End User, the Party in receipt shall refer such order to the Party that serves the End User. Should a court order pertain to an AT&T Local customer (trap & trace, pen register or wiretap) or an ALS Type II customer (pen register or wiretap), the Party in receipt will request the issuing authority to amend the order, naming both Parties, and serve both Parties concurrently. SBC-AMERITECH shall provide law enforcement with all necessary assistance, including plant information and local loop access, to facilitate implementation of court orders pertaining to pen registers or wiretaps. Additionally, SBC-AMERITECH shall provision on its equipment trap & trace orders pertaining to AT&T Local customers. As specified in **Section 6.4.3**, above SBC-AMERITECH may bill the appropriate law enforcement agency for these services under its customary practices. Once AT&T implements CALEA solutions in its switches, AT&T will assume full responsibility for the implementation of court-ordered surveillance on ALS Type II customers.

6.4.4.2 Subpoenas. Should either Party receive a subpoena for subscriber information or billing records concerning the other Party's End User, it shall refer the subpoena back to the issuing authority. The referral shall indicate that the other Party is the responsible company, unless the subpoena requests records for a period of time during which the receiving Party was the End User's service provider, in which case that Party will respond to any valid request. Should the subpoena demand AMA records (call dump) for an AT&T Local customer, the Party in receipt will request the issuing authority to amend the order, naming both Parties, and serve both Parties concurrently. SBC-AMERITECH shall provide the issuing authority with the requested data. As specified in **Section 6.4.3**, above SBC-AMERITECH may bill the appropriate law enforcement agency for these services under its customary practices.

6.4.4.3 Emergencies. If a Party receives a request from a law enforcement agency for a temporary number change, temporary disconnect, or one-way denial of outbound calls by the receiving Party's switch for an End User of the other Party, that Receiving Party will comply with a valid emergency request. However, neither Party shall be held liable for any claims or Losses arising from compliance with such requests on behalf of the other Party's End User and the Party serving such End User agrees to indemnify and hold the other Party harmless against any and all such claims or Losses.

6.4.5 Annoyance Calls. SBC-AMERITECH agrees to work cooperatively and jointly with AT&T in investigating annoyance/harassing calls to the AT&T customer where SBC-AMERITECH's cooperation, services, unbundled network elements

(including operational support systems), facilities or information are needed to resolve the annoyance/harassing call(s) to the AT&T customer. The SBC-AMERITECH Annoyance Call Bureau will handle requests received from AT&T personnel on behalf of AT&T customers. SBC-AMERITECH will provide service to AT&T customers on annoyance/harassing calls that is at parity with the level of service SBC-AMERITECH provides its own customers.

6.4.6 CALEA. Each Party represents and warrants that any equipment, facilities or services provided to the other Party under this Agreement comply with the Communications Assistance for Law Enforcement Act of 1994 (“CALEA”) as amended, including any final orders of the FCC, or final regulations promulgated by the Federal Bureau of Investigation, Department of Justice, or any other federal agency pursuant to CALEA.

6.4.6.1 The Parties agree to work jointly, cooperatively and in good faith to allow each Party to comply with CALEA.

6.4.6.2 Unless otherwise specified, each Party shall bear its own cost of complying with CALEA.

6.4.7 Soft Dial Tone. To the extent required by law and subject to such additional conditions as the Parties may require, SBC-AMERITECH shall provide soft dial tone to AT&T for the use of its customers.

**ARTICLE VII
TRANSPORT AND TERMINATION
OF OTHER TYPES OF TRAFFIC**

7.0 Transport and Termination of Other Types of Traffic.

7.1 Information Services Traffic.

7.1.1 Each Party shall route Information Service Traffic which originates on its own network to the appropriate information services platform(s) connected to the other Party's network over the Local/IntraLATA Trunks.

7.1.2 The Party ("**Originating Party**") on whose network the Information Services Traffic originated shall provide an electronic file transfer or monthly magnetic tape containing recorded call detail information to the Party ("**Terminating Party**") to whose information platform the Information Services Traffic terminated.

7.1.3 In accordance with procedures to be established by the Implementation Team, the Terminating Party shall provide to the Originating Party via electronic file transfer or magnetic tape all necessary information to rate the Information Services Traffic to the Originating Party's Customers.

7.1.4 Once a billing and collection agreement has been signed, the Originating Party shall bill and collect such information provider charges and remit the amounts collected to the Terminating Party less:

- (a) The Information Services Billing and Collection fee set forth in the **Pricing Schedule**; and
- (b) An uncollectibles reserve calculated based on the uncollectibles reserve in the Terminating Party's billing and collection agreement with the applicable information provider; and
- (c) Customer adjustments provided by the Originating Party.

The Originating Party shall provide to the Terminating Party sufficient information regarding uncollectibles and Customer adjustments. The Terminating Party shall pass through the adjustments to the information provider. Final resolution regarding all disputed adjustments shall be solely between the Originating Party and the information provider.

7.1.5 Nothing in this Agreement shall restrict either Party from offering to its Telephone Exchange Service Customers the ability to block the completion of Information Service Traffic.

7.2 BLV/BLVI Traffic.

7.2.1 Busy Line Verification (“**BLV**”) is performed when one Party's Customer requests assistance from the operator bureau to determine if the called line is in use; provided, however, the operator bureau will not complete the call for the Customer initiating the BLV inquiry. Only one BLV attempt will be made per Customer operator bureau call.

7.2.2 Busy Line Verification Interrupt (“**BLVI**”) is performed when one Party's operator bureau interrupts a telephone call in progress after BLV has occurred. The operator bureau will interrupt the busy line and inform the called party that there is a call waiting. The operator bureau will only interrupt the call and will not complete the telephone call of the Customer initiating the BLVI request. The operator bureau will make only one BLVI attempt per Customer operator telephone call and the applicable charge applies whether or not the called party releases the line.

7.2.3 Each Party's operator bureau shall accept BLV and BLVI inquiries from the operator bureau of the other Party in order to allow transparent provision of BLV/BLVI Traffic between the Parties' networks. Each Party shall route BLV/BLVI Traffic inquiries over separate direct trunks (and not the Local/IntraLATA Trunks) established between the Parties' respective operator bureaus. Unless otherwise mutually agreed, the Parties shall configure BLV/BLVI trunks over the Interconnection architecture defined in **Article III**, consistent with the Plan.

7.2.4 Each Party shall compensate the other Party for BLV/BLVI Traffic as set forth in the **Pricing Schedule**.

7.2.5 AT&T may provide its own Operator Services, including BLV/BLVI or use the Operator Services of SBC-AMERITECH or a third party vendor.

7.3 Transit Service.

7.3.1 SBC-AMERITECH agrees that it shall provide AT&T Transit Service as provided in this **Section 7.3**. The Transit Rate element applies when one Party sends Local or IntraLATA Toll traffic to a third party network through the other Party's tandem. The originating Party is responsible for payment of the Transit Rate. The Transit Rate element is only applicable when calls do not terminate to the other Party's End User. The Transit Rate is specified in the **Pricing Schedule**.

7.3.2 In the event one Party originates traffic that transits the other Party's network to reach a third party telecommunications carrier with whom the originating Party does not have a traffic interexchange agreement, then the originating Party will pay the transiting Party any lawful charges that any terminating third-party carrier imposes or levies on the transiting Party for the delivery or termination of such traffic, provided that: (i) such charges are no greater than those that would be imposed or levied on, or incurred by, the transiting Party if such traffic were originated by the transiting Party rather than the

other Party, (ii) the transiting Party provides to the originating Party data supporting the transiting Party's belief that the originating Party is responsible for the third party charges, and (iii) the transiting Party provides the originating Party with notice of such proposed charges and the opportunity to contest such charges with the third-party carrier prior to making payment. Neither the terminating party nor the tandem provider will be required to function as a billing intermediary, e.g. clearinghouse.

7.3.3 Subject to **Section 7.3.5** below, AT&T shall not bill SBC-AMERITECH for terminating any Transit traffic, whether identified or unidentified, i.e. whether SBC-AMERITECH is sent CPN or is not sent CPN by the originating company. However, in the event AT&T indicates to SBC-AMERITECH that unidentified transit traffic volume has become significant, SBC-AMERITECH agrees to work with AT&T to explore alternatives and to devise a jointly agreed approach to minimizing the amount of unidentified transit traffic.

7.3.3.1 The transiting Party will pass the original and true CPN if it is received from the originating third party.

7.3.4 Consistent with the requirements of **Article XXVII** of this Agreement, each Party will calculate terminating interconnection minutes of use based on standard Automatic Message Accounting ("AMA") recordings made within each Party's network. Except as may otherwise be provided in this Agreement, these recordings will be the basis for each Party to generate bills to the other Party. Where available, each Party agrees to forward to the other with each call information that may be used to identify the originating and terminating telephone numbers for each call and each carrier involved in transmission of the call.

7.3.5 Where the Parties are performing a transiting function as defined in **Section 7.3.1** above and AT&T is an SBC-AMERITECH LSNE user, the transiting Party will pass the original and true CPN if it is received from the originating carrier. The transiting Party will also provide records in accordance with **Article XXVII**, including providing the OCN of the originating third party carrier to the terminating Party. In the event that the originating OCN is not included in the records provided to AT&T from SBC-AMERITECH, SBC-AMERITECH will be billed for termination of calls on a default basis.

7.3.6 Meet-Point Billing compensation arrangements are as described in **Article XXVII**.

7.3.7 The Parties expect that most networks involved in Transit Traffic will deliver each call to each involved network with CCS and the appropriate TCAP message to facilitate full interoperability of those services supported by ILEC and billing functions. SBC-AMERITECH agrees to ensure that AT&T receives, in accordance with the record transfer provisions of **Article XXVII** of this Agreement, equivalent information

on all calls that are originated by any other LEC, CLC or CMRS provider with which SBC-AMERITECH interconnects and which are subsequently terminated to AT&T.

7.3.8 AT&T may, in its sole discretion, offer Transit Traffic services to SBC-AMERITECH or other third parties that originate or terminate Transit Traffic. Compensation arrangements for such services shall be comparable to those applicable to Transit Traffic services provided by SBC-AMERITECH.

7.3.9 AT&T may, in its sole discretion, offer Transit Traffic services to SBC-AMERITECH or other third parties that originate or terminate Transit Traffic. Compensation arrangements for such services shall be comparable to those applicable to Transit Traffic services provided by SBC-AMERITECH.”

7.4 In the case of Switched Access services provided through either Party's Access Tandem, the Party providing the access tandem transit will have no responsibility for ensuring that the Switched Access service customer will accept or pay for the traffic. Nor will either Party offer blocking capability for Switched Access traffic delivered to either Party's tandem for completion on either Party's network. Each Party agrees to furnish the other with a list of those IXCs that interconnect with the Party's tandems.

ARTICLE VIII
INSTALLATION, MAINTENANCE, TESTING AND REPAIR

8.1 Operation and Maintenance. Each Party shall be solely responsible for the installation, operation and maintenance of equipment and facilities provided by it for Interconnection. The parties shall conduct compatibility and cooperative testing, and overflow, call volume and trunk utilization monitoring and the specific operation and maintenance provisions for equipment and facilities used to provide Interconnection in a manner that is mutually agreeable to the parties. Operation and maintenance of equipment in Virtual Collocation shall be in accordance with the provisions of **Article XII**.

8.2 Installation, Maintenance, Testing and Repair. The intervals for installations, maintenance, joint testing, and repair of its facilities and services associated with or used in conjunction with Interconnection will be determined in accordance with the requirements of **Article XXXII** (Performance Measurements).

ARTICLE IX
ACCESS TO UNBUNDLED NETWORK ELEMENTS – SECTION 251(c)(3)

For additional terms and conditions, see attached
Appendix to Article IX and Schedule 9.3 -"OHIO EXISTING UNE-P
AND NEW UNE COMBINATIONS AMENDMENT"

9.0 Access to Unbundled Network Elements – Section 251(c)(3).

9.1 Introduction: Access to Unbundled Network Elements. This Article IX, (Access to Unbundled Network Elements – Section 251(c)(3)), sets forth the terms and conditions pursuant to which SBC-AMERITECH agrees to furnish AT&T with access to Network Elements on an unbundled basis (“UNEs”) and the terms under which SBC-AMERITECH will provide certain combinations of Network Elements, as more specifically defined in Schedule 9.3.

9.1.1 SBC-AMERITECH shall provide AT&T access to SBC-AMERITECH's Network Elements on an unbundled basis at any technically feasible point in accordance with the terms and conditions of this Article IX and the requirements of the Act. SBC-AMERITECH shall provide AT&T the Network Elements on an unbundled basis and Combinations of unbundled Network Elements, in accordance with its obligations as required by the Act, the applicable FCC rules and other Orders and applicable laws. The specific terms and conditions that apply to the unbundled Network Elements to be provided on an unbundled basis and Combinations are described below and in the Schedules attached hereto. Prices for Unbundled Network Elements, including those provided as Combinations, as defined in Article IX are set forth in the Pricing Schedule of this Agreement.

9.1.2 SBC-AMERITECH shall price each Unbundled Network Element separately, and shall offer each Unbundled Network Element individually, and in Combinations, as defined in Section 9.1, above. In no event shall SBC-AMERITECH require AT&T to purchase any Unbundled Network Element in conjunction with any other service or element. In accordance with FCC rules and regulations and applicable Ohio Commission rulings, AT&T must use UNEs to provide telecommunications services. Notwithstanding anything to the contrary in this Article IX, SBC-AMERITECH shall not be required to provide Network Elements on an unbundled basis beyond those identified in 47 C.F.R. § 51.319 to AT&T if:

- (1) The Commission concludes that:
 - (A) such Network Element is proprietary or contains proprietary information that will be revealed if such Network Element is provided to AT&T on an unbundled basis; and

- (B) AT&T could offer the same proposed Telecommunications Service through the use of other, nonproprietary Network Elements within SBC-AMERITECH's network; or
- (2) The Commission concludes that the failure of SBC-AMERITECH to provide access to such Network Element would not decrease the quality of, and would not increase the financial or administrative cost of, the Telecommunications Service AT&T seeks to offer, compared with providing that service over other unbundled Network Elements in SBC-AMERITECH's network.

9.1.3 SBC-AMERITECH shall connect AT&T's facilities with SBC-AMERITECH's network at any technically feasible point for access to UNEs for the provision by AT&T of a Telecommunications Service consistent with the provisions of the Act and the applicable FCC rules.

9.2 Network Elements.

9.2.1 SBC-AMERITECH shall provide AT&T access to Network Elements on an unbundled basis (and Combinations of Network Elements as defined in Section 9.1, above, and pursuant to terms and conditions set forth in Section 9.3 of this Article) at rates, terms and conditions that are just, reasonable and non-discriminatory in accordance with the terms and conditions of this Agreement and the requirements of Section 251 and Section 252 of the Act and applicable FCC Orders and other applicable laws.

9.2.2 SBC-AMERITECH will permit AT&T to interconnect AT&T's facilities or facilities provided by AT&T or to AT&T by SBC-AMERITECH or third parties with each of SBC-AMERITECH's unbundled Network Elements or Combinations at any technically feasible point designated by AT&T.

9.2.3 At such time that AT&T provides SBC-AMERITECH with an order for particular unbundled Network Elements or Combinations, AT&T, at its option, may request any technically feasible network interface, including without limitation, DS0, DS-1 and DS-3 interfaces, and any other interface described in the applicable Bell Communications Research ("Bellcore") and any other industry standard technical references. Any such requested network interface, as long as it is available in SBC-AMERITECH's network, shall be provided by SBC-AMERITECH, unless SBC-AMERITECH provides AT&T, within five (5) days, with a written notice that the requested network interface is not available in SBC-AMERITECH's network. If AT&T disputes the availability of the requested network interface, such dispute shall be resolved in accordance with the Alternative Dispute Resolution process set forth in Article XIX (General Terms and Conditions) of this Agreement.

9.2.4 AT&T may use one or more Unbundled Network Elements or Combinations to provide to its Customers any feature, function, capability or service

option that such Network Element provided on an unbundled basis or Combination is technically capable of providing or any feature, function, capability or service option that is described in the Telcordia and other industry standard technical references.

9.2.5 For each Unbundled Network Element ordered individually, SBC-AMERITECH shall provide a demarcation point where appropriate (e.g., at AT&T's collocation arrangement or the Network Interface Device) SBC-AMERITECH will perform cross connection to AT&T's collocation arrangement. However, where SBC-AMERITECH provides a Combination of SBC-AMERITECH Unbundled Network Elements to AT&T, SBC-AMERITECH will provide the existing interconnections and no demarcation shall be installed between such SBC-AMERITECH Unbundled Network Elements. SBC-AMERITECH will provide access to UNEs where technically feasible. Where facilities and equipment are not available, SBC-AMERITECH shall not be required to provide Network Elements on an unbundled basis. However, AT&T may request and, to the extent required by law, SBC-AMERITECH shall agree to provide UNEs, through the Bona Fide Request (BFR) process as set forth in **Article II** of this Agreement.

9.2.6 Charges for such transitioning of an existing service(s) to a combination of Network Elements are priced at total element long-run incremental cost as set forth in the **Pricing Schedule**, but such charges are subject to modification and based upon the results of Commission proceedings.

9.2.7 This section includes a list of the initial set of Network Elements to be provided on an unbundled basis that AT&T and SBC-AMERITECH have identified as of the Effective Date of this Agreement. These Network Elements are described in detail in the Schedules Attached hereto. AT&T and SBC-AMERITECH agree that the Network Elements identified in this **Article IX** are not exclusive and that pursuant to the Bona Fide Request process AT&T may identify and request that SBC-AMERITECH furnish additional or revised Network Elements to the extent required under Section 251(c)(3) of the Act and other applicable laws. Failure to list a Network Element herein shall not constitute a waiver by AT&T to obtain a Network Element subsequently defined by the FCC or by the state commission. The Network Elements to be provided on an unbundled basis include the following:

- 9.2.7.1 Loop (**Schedule 9.2.1**);
- 9.2.7.2 High Frequency Portion of Loop (**Schedule 9.2.2**);
- 9.2.7.3 Dark Fiber (**Schedule 9.2.3**);
- 9.2.7.4 Network Interface Device (**Schedule 9.2.4**);
- 9.2.7.5 Subloop (**Schedule 9.2.5**);

- 9.2.7.6 Local Switching, including tandem switching and packet switching, as provided in **Schedule 9.2.6**;
- 9.2.7.7 Interoffice Transmission Facilities, including Dedicated, and Shared Transport (**Schedule 9.2.7**);
- 9.2.7.8 Signaling Links and Call-Related Databases (**Schedule 9.2.8**)

9.3 Combination of Unbundled Network Elements.

9.3.1 SBC-AMERITECH shall provide Unbundled Network Elements to AT&T in a manner that shall allow AT&T to combine such Unbundled Network Elements in order to provide a Telecommunications Service, subject to the terms and conditions of **Schedule 9.3** and the **Appendix to Article IX and Schedule 9.3**.

9.3.1.1 In addition to the Combinations of Unbundled Network Elements furnished by SBC-AMERITECH to AT&T, as defined in **Schedule 9.3**, SBC-AMERITECH shall permit AT&T to combine any Network Element or Unbundled Network Elements provided by SBC-AMERITECH with another Network Element or other Unbundled Network Elements obtained from SBC-AMERITECH or combine with compatible network components provided by AT&T or provided by third parties to AT&T to provide telecommunications services to AT&T Customers. Notwithstanding the foregoing, without additional components furnished by AT&T to itself or through third parties, AT&T shall be permitted to combine Unbundled Network Elements made available by SBC-AMERITECH with other contiguous SBC-AMERITECH Unbundled Network Elements.

9.3.2 Except upon the request of AT&T, SBC-AMERITECH shall not separate existing or currently combined combinations of Unbundled Network Elements into separate Unbundled Network Elements.

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9.3.2.2 Where SBC-AMERITECH retail Customers simply wish to switch their local service providers and keep the same type of service provided through the same equipment, this method of ordering will accomplish this with no physical changes required in the existing Network Elements. Under these circumstances, it shall not be necessary for AT&T to collocate equipment in SBC-AMERITECH Central Offices to connect the Unbundled Network Element.

9.3.4 The Combinations of Network Elements listed in the **Appendix to Article IX and Schedule 9.3** are the minimum combinations available to AT&T as of the effective date of this Agreement. AT&T can order a combination shown on the list as a single order pursuant to **Article XXXIII** (OSS). When purchasing a Combination, AT&T

will have access to all features, functions and capabilities of each individual Network Element that comprises such Combination and the specific technical and interface requirements for each of the Network Elements shall apply.

9.4 Nondiscriminatory Access to and Provision of Network Elements.

9.4.1 The quality of a Network Element provided on an unbundled basis as well as the quality of the access to such Network Element that SBC-AMERITECH provides to AT&T shall be the same for all Telecommunications Carriers requesting access to such Network Element.

9.4.2 The quality of a Network Element that is to be provided on an unbundled basis, as well as the quality of the access to such Network Element, that SBC-AMERITECH provides to AT&T hereunder shall be at least equal in quality to that which SBC-AMERITECH provides to itself, its subsidiaries, Affiliates and any other person unless SBC-AMERITECH proves to the Commission that it is not technically feasible to provide the Network Element requested by AT&T or access to such Network Element at a level of quality that is equal to that which SBC-AMERITECH provides to itself.

9.4.3 SBC-AMERITECH shall provide AT&T access to Unbundled Network Elements and Operations Support Systems functions, including the time within which SBC-AMERITECH provisions such access to Network Elements, on terms and conditions no less favorable than the terms and conditions under which SBC-AMERITECH provides such unbundled network elements to itself, its subsidiaries, Affiliates and any other person except as may be provided by the Commission.

9.4.4 Upon the request of AT&T, SBC-AMERITECH shall provide to AT&T a Network Element and access to such Network Element that is different in quality to that required under Sections 9.4.2 and 9.4.3, unless SBC-AMERITECH proves to the Commission that it is not technically feasible to provide the requested Network Element or access to such Network Element at the requested level of quality. Any request by AT&T for SBC-AMERITECH to provide any Network Element or access thereto that is different in quality shall be made by AT&T in accordance with Section 9.6.

9.4.5 Where ancillary equipment is essential to the functionality of the UNE Network Element, as provided under the terms and conditions of this Article IX, orders for such Unbundled Network Elements may specify ancillary equipment which, although integral to the functionality of the Unbundled Network Element, may need to be specified for purposes of engineering of the Unbundled Network Element. If the specified equipment is not essential to the functionality of the Unbundled Network Element, AT&T must make its request via the BFR process set forth in Article II. Specification of such information is not an acknowledgment on the part of AT&T that the items specified represent separate Unbundled Network Elements nor is it a waiver of AT&T's right to request and have the equipment provided in the future for the then existing Unbundled Network Element.

9.4.5.1 Multiplexers, bridges, and repeaters are deemed integral to the functionality of shared transport when it is ordered and provided as a UNE.

9.5 Provisioning of Network Elements.

9.5.1 SBC-AMERITECH shall provide AT&T unbundled Network Elements as set forth in this Article, the Schedules attached hereto and as described in other relevant Articles relating to the provisioning of UNEs and UNE Combinations.

9.5.2 SBC-AMERITECH shall provide AT&T access to the functionalities for SBC-AMERITECH's pre-ordering, ordering, provisioning, maintenance and repair and billing functions of the Operations Support Systems functions that relate to the Network Elements and UNE Combinations that AT&T purchases in accordance with **Article XXXIII** (OSS). Access to such functionalities for the Operations Support Systems functions shall be as provided in **Article XXXIII** (OSS).

9.5.3 Prior to submitting an order for a Network Element to be provided on an unbundled basis which replaces, in whole or in part, a service offered by SBC-AMERITECH or any other telecommunications provider for which SBC-AMERITECH changes a primary local exchange carrier, AT&T shall comply with the requirements of **Section 10.11.1** of **Article X**.

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9.5.5 Where UNEs provided to AT&T are dedicated to a single End User, if such UNEs are for any reason disconnected they shall be made available to SBC-AMERITECH for future provisioning needs, unless such UNE is disconnected in error. AT&T agrees to relinquish control of any such UNE concurrent with the disconnection of an AT&T End User's service.

9.5.6 AT&T shall make available at mutually agreeable times the UNEs provided pursuant to this Article in order to permit SBC-AMERITECH to test and make adjustments appropriate for maintaining the UNEs in satisfactory operating condition. No credit will be allowed for any interruptions involved during such testing and adjustments.

9.5.7 AT&T's use of any SBC-AMERITECH UNE, or of its own equipment or facilities in conjunction with any SBC-AMERITECH network element, will not materially interfere with or impair service over any facilities of SBC-AMERITECH, its affiliated companies or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public. Upon reasonable written notice and opportunity to cure, SBC-AMERITECH may discontinue or refuse service if AT&T violates this provision, provided that such termination of service will be limited to AT&T's use of the UNE(s) causing the violation.

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9.5.10 Unbundled Network Elements may not be used in an arrangement whereby they are solely connected to or combined with SBC-AMERITECH access services or other SBC-AMERITECH tariffed service offerings with the exception of tariffed Collocation services where available.

9.6 Availability of Additional or Different Quality Network Elements. Any request by AT&T for access to a Network Element or a Combination (as that term is defined in this Article IX) that is not otherwise provided by the terms of this Agreement at the time of such request shall be made pursuant to a Bona Fide Request as set forth in Schedule 2.2.

9.7 Pricing of Unbundled Network Elements. SBC-AMERITECH shall charge AT&T the Commission Approved (TELRIC based) non-recurring and monthly recurring rates for unbundled Network Elements (including the monthly recurring rates for these specific Network Elements, service coordination fee, and Cross-Connect charges) as specified in the Pricing Schedule. No other rates shall apply.

9.8 Billing. SBC-AMERITECH shall bill AT&T for access to unbundled Network Elements and Combinations pursuant to the requirements contained in Article XXVII of this Agreement.

9.9 Maintenance of Unbundled Network Elements. SBC-AMERITECH shall provide maintenance of Loops and Combinations that include Loops as set forth in Schedule 33.1.

9.10 Standards of Performance. SBC-AMERITECH shall provide to AT&T access to unbundled Network Elements pursuant to the Performance Standards set forth in Article XXXII (Performance Standards, Measurements and Penalties). Upon 30 days written notice, SBC-AMERITECH may elect to conduct Central Office switch conversions for the improvement of its network. During such conversions, AT&T orders for unbundled network elements from that switch shall be suspended for a period of three days prior and one day after the conversion date, consistent with the suspension SBC-AMERITECH places on itself for orders from its customers.

9.11 UNE Connection Methods. SBC-AMERITECH will provide access to Network Elements on an unbundled basis at any technically feasible point including at any point set forth in Article XII (Collocation).

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9.15 Maintenance of Elements.

9.15.1 If trouble occurs with unbundled network elements provided by SBC-AMERITECH, AT&T will first determine whether the trouble is in AT&T's own equipment and/or facilities or those of the End User. If AT&T determines the trouble is in SBC-AMERITECH's equipment and/or facilities, AT&T will issue a trouble report to SBC-AMERITECH.

9.15.2 AT&T shall pay Time and Material charges (maintenance of service charges/additional labor charges) when AT&T reports a suspected failure of a network element and SBC-AMERITECH dispatches personnel to the End User's premises or a SBC-AMERITECH Central Office and trouble was not caused by SBC-AMERITECH's facilities or equipment. Time and Material charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing. Rates of Time and Material charges will be billed at amounts equal to those contained in the applicable state tariffs.

9.15.3 AT&T shall pay Time and Material charges when SBC-AMERITECH dispatches personnel and the trouble is in equipment or communications systems provided an entity by other than SBC-AMERITECH or in detariffed CPE provided by SBC-AMERITECH, unless covered under a separate maintenance agreement.

9.15.4 AT&T shall pay Maintenance of Service charges when the trouble clearance did not otherwise require dispatch, but dispatch was requested for repair verification or cooperative testing, and the circuit did not exceed maintenance limits.

9.15.5 If AT&T issues a trouble report allowing SBC-AMERITECH access to the End User's premises and SBC-AMERITECH personnel are dispatched but denied access to the premises, then Time and Material charges will apply for the period of time that SBC-AMERITECH personnel are dispatched. Subsequently, if SBC-AMERITECH personnel are allowed access to the premises, these charges will still apply.

9.15.6 Time and Material charges apply on a first and additional basis for each half-hour or fraction thereof. If more than one technician is dispatched in conjunction with the same trouble report, the total time for all technicians dispatched will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories. Basic Time is work-related efforts of SBC-AMERITECH performed during normally scheduled working hours on a normally scheduled workday. Overtime is work-related efforts of SBC-AMERITECH performed on a normally scheduled workday, but outside of normally scheduled working hours. Premium Time is work related efforts of SBC-AMERITECH performed other than on a normally scheduled workday.

9.15.7 If AT&T requests or approves a SBC-AMERITECH technician to perform services in excess of or not otherwise contemplated by the nonrecurring charges herein, AT&T will pay Time and Material charges for any additional work to perform such

services, including requests for installation or conversion outside of normally scheduled working hours.

9.16. RECONFIGURATION

9.16.1 SBC-AMERITECH will reconfigure existing qualifying special access services to combinations of unbundled loop and transport upon terms and conditions consistent with the Supplemental Order released by the FCC on November 24, 1999 and the FCC Order Clarifying Supplemental Order released June 2, 2000, both released in the Matter of the Local Competition Provisions of the Telecommunications Act of 1996, in CC Docket No. 96-98 (FCC 99-370).

ARTICLE X
RESALE AT WHOLESALE RATES--SECTION 251(c)(4)

10.0 Resale at Wholesale Rates – Section 251(c)(4).

10.1 Telecommunications Services Available for Resale at Wholesale Rates. Commencing on the date on which the Commission approves this Agreement, at the request of AT&T, SBC-AMERITECH will make available to AT&T for resale at wholesale rates those Telecommunications Services that SBC-AMERITECH provides, or may hereafter provide, at retail to subscribers who are not Telecommunications Carriers, as required in Section 251(c)(4) of the Act. Subject to the terms, conditions and limitations set forth in this Agreement, SBC-AMERITECH will make available to AT&T for such resale all Telecommunications Services which it offers to its retail Customers, including the following categories of Telecommunications Services (the “**Resale Services**”).

- (i) Local Service - Residence, as described in PUCO No. 20;
- (ii) Local Service - Business, as described in PUCO No. 20;
- (iii) Message Toll Service, as described in PUCO No. 20;
- (iv) PBX Trunk, as described in PUCO No. 20;
- (v) ISDN Direct Service, as described in PUCO No. 20;
- (vi) ISDN Prime Services, as described in PUCO No. 20;
- (vii) SBC-AMERITECH Centrex Service, as described in PUCO No. 20;
- (viii) Dedicated Communications Services, as described in PUCO No. 20;
- (ix) Inbound Services, as described in PUCO No. 20;
- (x) Customer Owned Pay Telephone Services, as described in PUCO No. 20;
- (xi) Advanced Intelligent Network, as described in PUCO No. 20;
- (xii) Promotions, as described in PUCO No. 20, and or according to federal and/or state commission requirements;
- (xiii) Optional calling plans, as described in PUCO No. 20, and
- (xiv) Special pricing plans, as described in PUCO No. 20.

All SBC-AMERITECH services or offerings which are to be offered for resale pursuant to the Act are subject to the terms herein, even though they are not specifically enumerated or described. The Resale Services shall be made available to AT&T at the wholesale rates set forth in the **Pricing Schedule**. All Telecommunications Services shall be available to AT&T at wholesale rates and on terms no less favorable than those SBC-AMERITECH makes available to its end user customers.

10.2 Other Services. SBC-AMERITECH may, at its sole discretion, and as agreed to by AT&T, make available to AT&T under this Agreement services other than Telecommunications Services for resale at rates, terms and conditions agreed upon by the Parties.

10.3 Limitations on Availability of Resale Services.

The following limitations shall apply to Resale Services:

10.3.1 Any Telecommunications Services which SBC-AMERITECH offers to existing retail subscribers, but not to new subscribers (“**Grandfathered Services**”), may be revised or supplemented from time to time to include those additional services that SBC-AMERITECH may, in its discretion and to the extent permitted by Applicable Law, classify as Grandfathered Services. SBC-AMERITECH agrees to make Grandfathered Services available to AT&T for resale to any Customer of SBC-AMERITECH that subscribes to a Grandfathered Service from SBC-AMERITECH at the time of its selection of AT&T as its primary local exchange carrier. If a local Telecommunications Service is subsequently classified as a Grandfathered Service by SBC-AMERITECH, SBC-AMERITECH agrees to continue to sell such Grandfathered Service (subject to the terms of **Section 10.3.2**) to AT&T for resale to AT&T's Customers that subscribe to such Grandfathered Service at the time it is so classified by SBC-AMERITECH. Grandfathered Services shall be made available to AT&T at wholesale rates determined in accordance with the Act. To the extent that SBC-AMERITECH is unable to provide wholesale systems support and billing within the first ninety (90) days from the date each AT&T Resale Customer is provided such Grandfathered Service, SBC-AMERITECH shall retroactively apply such wholesale rate as a credit to AT&T and will bill such service to AT&T from its retail billing systems.

10.3.2 Any Telecommunication Services which SBC-AMERITECH currently intends to discontinue offering to any retail subscriber (“**Sunsetted Services**”) may be revised or supplemented from time to time to include those additional Telecommunications Services that SBC-AMERITECH may, in its discretion and to the extent permitted by Applicable Law, classify as Sunsetted Services. SBC-AMERITECH agrees to make Sunsetted Services available to AT&T for resale to AT&T's Customers who are subscribers to the Sunsetted Service either from SBC-AMERITECH or AT&T at the time so classified (subject to the provisions of **Section 10.3.1** if such Sunsetted Service was previously classified as a Grandfathered Service) until the date such service is discontinued.

10.4 Additional Charges for Resale Services. In addition to the rates set forth in the **Pricing Schedule**, AT&T shall pay SBC-AMERITECH: (i) for any applicable charges or fees, if any, incident to the establishment or provision of the Resale Services requested by AT&T, including initial non recurring charges, and (ii) the applicable non discounted end user common line charge as set forth in F.C.C. No. 2, Section Article 4.

10.5 Restrictions on Resale Services.

10.5.1 To the extent ordered by the Commission, including PUCO Case No. 95-845-TP-COI, Appendix A (Local Service Guidelines) as Section IX.C or provided by Applicable Law, AT&T may not offer Resale Services that are made available only to residential Customers or to a limited class of residential Customers to classes of Customers that are not eligible to subscribe to such services from SBC-AMERITECH.

10.5.2 SBC-AMERITECH shall not be required to provide to AT&T Resale Services offered at a special promotional rate if:

- (a) Such promotions involve rates that will be in effect for no more than ninety (90) days; and
- (b) Such promotional offerings are not used to evade the wholesale rate obligation; for example, by making available a sequential series of ninety (90) day promotional rates.

10.5.3 Nothing in this Agreement shall require SBC-AMERITECH to provide to AT&T promotional service elements that are not Telecommunications Services (i.e., customer-premises equipment).

10.5.4 Unless permitted by the Commission or FCC after the Effective Date, AT&T shall not utilize Resale Services to avoid applicable access charges.

10.5.5 SBC-AMERITECH services are not available at wholesale rates to AT&T for its own use or for the use of any of AT&T's affiliates and/or subsidiaries or the use of AT&T's parent or any affiliate and/or subsidiary of AT&T's parent company, if any.

10.5.6 SBC-AMERITECH may impose additional restrictions on AT&T's sale of Resale Services only as permitted by the Act, Commission and the FCC.

10.6 New Resale Services; Changes in Provision of Resale Services.

10.6.1 At such time as AT&T has Resale customers, Ameritech shall provide 45 days notice of any tariff change to Ameritech's resale services, except for amendments to Ameritech's resale tariff that are limited in scope to pricing changes for existing services. Price changes to Ameritech's existing resale services may be

communicated via web site notice pursuant to a one-day advance notice period. All other changes may be communicated via web site notice pursuant to a one-day advance notice period, as well, when AT&T does not have Resale customers.

10.6.2 SBC-AMERITECH communicates official information to AT&T via its TCNet notification process. This process covers a variety of subjects, including updates on products/services promotions; deployment of new products/services; modifications and price changes to existing products/services; cancellation or retirement of existing products/services; and operational issues.

10.7 Operations Support Systems Functions. SBC-AMERITECH shall provide AT&T nondiscriminatory access to SBC-AMERITECH's Operations Support Systems functions as provided in Article XXXIII, (Operational Support Systems) of this Agreement.

10.8 Nondiscriminatory Provision of Resale Services.

10.8.1 SBC-AMERITECH shall provide to AT&T, for Resale, Resale Services that are equal in quality and subject to the same conditions as those that apply when SBC-AMERITECH provides these services to others, including its own End Users.

10.8.2 Operations Support Systems functions for ordering, provisioning, repair, maintenance and billing shall be equal in quality and subject to the same conditions as those that apply when SBC-AMERITECH provides these services and functions to others, including its own End Users.

10.8.3 SBC-AMERITECH shall provision Resale Services with the same timeliness and subject to the same conditions as those that apply when SBC-AMERITECH provides these services to others, including its own End Users. However, nothing in this Section 10.8.3 shall increase any obligation assigned to SBC-AMERITECH in the Articles of this agreement addressing Performance Measurements or Operational Support Systems.

10.9 Standards of Performance. SBC-AMERITECH shall provide AT&T Resale Services in accordance with the Standards of Performance in Article XXXII of this Agreement, (Performance Measurements).

10.9.1 AT&T shall be entitled to any Credit Allowances pursuant to the same terms and conditions that SBC-AMERITECH offers Credit Allowances to its retail Customers, including those described on Schedule 10.9.1.

10.10 Branding.

10.10.1 If Operator Call Completion or Directory Assistance Service is a feature of an offered Resale Service, SBC-AMERITECH shall rebrand or unbrand such features of such offered Resale Service as requested by AT&T for AT&T's Customers, unless

SBC-AMERITECH places a restriction on such rebranding or unbranding that is approved by the Commission as reasonable and nondiscriminatory, such as proving that SBC-AMERITECH lacks the capability to comply with such rebranding or unbranding request.

10.10.2 AT&T may request, and SBC-AMERITECH may make available to AT&T upon mutually agreeable terms and conditions, the ability to route:

- (i) Local Directory Assistance calls dialed by AT&T's Customers directly to AT&T Directory Assistance Services platform, to the extent such routing is technically feasible; and
- (ii) Local Operator Services calls (0+, 0-) dialed by AT&T Customers directly to the AT&T Local Operator Services platform to the extent such routing is technically feasible.

10.10.3 AT&T shall not, without SBC-AMERITECH's prior written consent, offer any Resale Service to any Customer under any brand name, trademarks, service marks, trade names, logos, insignia, symbols or decorative designs of SBC-AMERITECH, its subsidiaries or its Affiliates, nor shall AT&T state or imply that there is any joint business association or any similar arrangement with SBC-AMERITECH in the provision of Resale Service to AT&T's Customers, except to the extent AT&T deems it necessary to advise its Customers that SBC-AMERITECH's personnel will perform work on behalf of AT&T under this Agreement.

10.10.4 In those instances where AT&T requires SBC-AMERITECH personnel to interface directly with AT&T Customers, either orally in person or by telephone, or in writing, such personnel shall identify themselves as SBC-AMERITECH's employees representing AT&T.

10.10.5 Any "no access" cards and time and materials invoices furnished during service calls by SBC-AMERITECH personnel to AT&T Customers shall be available to AT&T for review and shall bear no corporate name, logo or trademark.

10.10.6 In no event shall SBC-AMERITECH personnel acting on behalf of AT&T pursuant to this Agreement provide information to any existing AT&T Customer about SBC-AMERITECH products or services.

10.10.7 AT&T shall pay SBC-AMERITECH's costs, if any, pursuant to the pricing standard in Section 252(d)(1) of the Act and in such amounts or levels as determined by the Commission for providing any requested branding under this **Section 10.10**.

10.11 Primary Local Exchange and Interexchange Carrier Selections.

10.11.1 The Parties shall apply all of the principles set forth in 47 C.F.R. § 64.1100 to the process for Customer selection of a primary local exchange carrier. SBC-

AMERITECH shall not require a disconnect order from an AT&T Customer, or another LEC, in order to process an AT&T conversion order for Resale Service for an AT&T Customer.

10.11.2 Carrier Selection Disputes. If any disputes should occur concerning the selection of primary local exchange carriers by the Customers of a Party, the following dispute escalation procedures shall be followed:

- (a) If a Customer denies authorizing a change in his or her primary local exchange carrier selection to a different LEC (“**Unauthorized Switching**”), SBC-AMERITECH shall switch that Customer back to AT&T in accordance with the terms of PUCO No. 20 (the “**Resale Tariff**”). However, in the case of unauthorized changes of AT&T Customers to SBC-AMERITECH, SBC-AMERITECH shall also have the duties of the “Carrier” as enumerated in such Resale Tariff, but will pay the \$50 compensation, described in the Resale Tariff, to AT&T.
- (b) If SBC-AMERITECH reports or otherwise provides information on unauthorized primary local exchange carrier changes to the FCC, the Commission or any other governmental entity, SBC-AMERITECH agrees to report on AT&T unauthorized primary local exchange carrier changes separately from unauthorized PIC changes.
- (c) The Parties agree that in the event the Resale Tariff is withdrawn by SBC-AMERITECH or materially revised, they will promptly meet and negotiate in good faith a revised procedure for resolving carrier selection disputes. If the Parties are unable to agree upon such revised procedure within thirty (30) days of a Party's request to commence the negotiations, the dispute resolution procedures set forth in **Section 28.3** will be implemented.

10.11.3 When SBC-AMERITECH receives an order for Resale Service from AT&T for AT&T's Customer, and SBC-AMERITECH currently provides resale local exchange telecommunications services to another carrier (“**Carrier of Record**”) for the same Customer, SBC-AMERITECH shall notify such Carrier of Record of such order coincident with processing the order. It shall then be the responsibility of the Carrier of Record and AT&T to resolve any issues related to that Customer. AT&T agrees to indemnify and hold SBC-AMERITECH harmless against any and all Losses that may result from SBC-AMERITECH acting under this **Section 10.11.3**.

10.11.4 When notified by AT&T via the Local Service Request (“LSR”) that an End User desires to change its presubscribed interexchange carrier (“PIC”) selection or local service provider (“LPIC”) selection only from one carrier to another carrier, SBC-AMERITECH shall provision the PIC or LPIC change. SBC-AMERITECH will modify its

process to conform with industry accepted standards and the requirements of the FCC or the Commission.

10.12 Requirements for Specific Services

10.12.1 CENTREX Requirements. SBC-AMERITECH agrees that AT&T may elect to resell SBC-AMERITECH CENTREX service at any time during the term of this Agreement. The terms under which AT&T will resell CENTREX will be negotiated by the parties at the time AT&T elects to resell CENTREX. Any dispute arising from the parties' negotiation of the terms under which AT&T will resell Centrex will be resolved pursuant to **Article XXVIII** of this Agreement

10.12.2 CLASS and Custom Features Requirements. AT&T may purchase the entire set of CLASS and Custom features and functions, or a subset of any one or any combination of such features, on a customer-specific basis, without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service.

10.12.3 Customer Specific Pricing Agreements ("CSPAs"). AT&T may purchase any SBC-AMERITECH Customer-specific service offering for resale to any Customer who would have been eligible to take such offering directly from SBC-AMERITECH. Where AT&T and SBC-AMERITECH are competing at retail for the same Customer, both the retail price and the associated wholesale discount shall be calculated by SBC-AMERITECH without unreasonable delay. SBC-AMERITECH shall take all steps necessary to prevent its retail sales and marketing personnel from obtaining information regarding AT&T's request or other competitively sensitive information.

10.12.4 Inside Wire Maintenance Service. AT&T may enter into a separate agreement with SBC-AMERITECH to purchase SBC-AMERITECH Inside Wire Maintenance Service for use with AT&T customers.

10.12.5 Voice Mail Functionality. Where available to SBC-AMERITECH's end users, SBC-AMERITECH shall provide all voice mail functionality including the feature capabilities specified below, under whatever product name SBC-AMERITECH may use to identify those capabilities, in order to allow for voice mail services:

Simple Message Desk Interface – Enhanced ("SMDI-E")

Simple Message Desk Interface ("SMDI")

Foreign Exchange ("FX") Interconnect Lines (DSO and T1) with Multi-Line Hunt Groups ("MLHG"), DID

Message Waiting Indicator ("MWI") stutter dialtone and message waiting light feature capabilities

Call Forward on Busy ("CF/B")

Call Forward Don't Answer ("CF/DA")

10.12.6 Blocking Service. Upon AT&T's request, SBC-AMERITECH shall provide call blocking service (including, but not limited to, 700, 900, and 976 services individually or in any combination upon request, bill to third party and collect calls) to AT&T on a line, trunk, or individual service basis at parity with what SBC-AMERITECH provides its end users.

10.12.7 Advanced Intelligent Network. AT&T may purchase those Advanced Intelligent Network ("AIN") features or functions that SBC-AMERITECH offers at retail, under tariff or otherwise, to subscribers who are not telecommunications carriers.

- (i) All service levels, features and function components of AIN provided by SBC-AMERITECH and offered for resale by AT&T will be provided by SBC-AMERITECH at parity with the same services SBC-AMERITECH offers to its own customers.
- (ii) AT&T may purchase any and all levels of AIN service for Resale Services, without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service where technically feasible.

10.13 Functionality Required To Support Resale Service.

10.13.1 Directory Listing Requirements. SBC-AMERITECH shall make available to AT&T for AT&T Customers directory listings in accordance with the provisions of Article XV.

10.13.2 LEC - Assigned Telephone Calling Card Numbers. Effective as of the date of a Customer's subscription to AT&T's service, SBC-AMERITECH will remove any SBC-AMERITECH-assigned telephone line calling card number (including area code) ("TLN") from the Line Identification Database ("LIDB").

10.13.3 Special Needs Services

10.13.3.1 AT&T will adhere to all applicable state regulation and law in the provision of special needs service to its Resale Services customers. As used herein, the term "special needs services" means services for the physically disabled where the disability is related to vision, speech, hearing or motion.

10.13.3.2 If an existing SBC-AMERITECH customer is certified as eligible for special needs services, the Customer Service Record information that SBC-AMERITECH provides to AT&T when AT&T acquires that customer will include an indicator which identifies the customer's eligibility for special needs services.

10.13.3.3 AT&T is responsible for determining its customers' eligibility for special needs services and for certifying and recertifying eligible customers, subject to applicable state regulation and law, including obtaining and retaining documentary evidence of eligibility.

10.13.3.4 For usage by an AT&T customer of a Telephone Relay Service, SBC-AMERITECH will provide AT&T with all billing information furnished to SBC-AMERITECH by the provider of the Telephone Relay Service.

10.13.4 Telephone Assistance Programs

10.13.4.1 AT&T will adhere to all applicable regulation and law in the administration of Telephone Assistance Programs for its customers.

10.13.4.2 If an existing SBC-AMERITECH customer is certified as eligible for Telephone Assistance Programs, for example LifeLine or Link-Up services, the Customer Service Record information that SBC-AMERITECH provides to AT&T when AT&T acquires that customer will include an indicator which identifies the customer's eligibility for a Telephone Assistance Program.

10.13.4.3 AT&T is responsible for determining its customers' eligibility for Telephone Assistance Programs, and for certifying and recertifying eligible customers, as required by applicable state regulation and law, including obtaining and retaining documentary evidence of eligibility.

10.13.5 911 Services. SBC-AMERITECH shall provide to AT&T, for AT&T Customers, 911 call routing to the appropriate PSAP. SBC-AMERITECH shall provide AT&T Customer information to the PSAP. For purposes of this Article X, SBC-AMERITECH shall use its service order process to update and maintain, on the same schedule that it uses for its retail Customers, the AT&T Customer service information in the ALI/DMS (Automatic Location Identification/Data Management System) used to support 911 services. When requested by SBC-Ameritech, AT&T shall provide SBC-AMERITECH with accurate and complete information regarding AT&T's End User(s) in a format and time frame prescribed by SBC-AMERITECH for purposes of E911 administration.

10.13.5.1 Responsibilities of SBC-AMERITECH. SBC-AMERITECH shall provide access to the following services where SBC-AMERITECH is the underlying 911 service provider:

- (i) Universal Emergency Number service, a telephone exchange communication service which includes lines and equipment necessary for answering, transferring and dispatching public emergency telephone calls originated by persons within the telephone Central Office areas arranged for 911 calling.

- (ii) Basic 911 service (where available) provides for routing all 911 calls originated by Customers having telephone numbers beginning with a given Central Office prefix code or codes to a single PSAP equipped to receive those calls.
- (iii) Enhanced 911 ("E911") service, which provides additional features to Basic 911 service, such as selective routing of 911 calls to a specific PSAP which is selected from the various PSAPs serving Customers within that Central Office area.

Both AT&T and its Customers purchasing Resale Service under this Agreement are not charged for calls to the 911 number, except as provided in any applicable tariff or pursuant to Applicable Law.

10.13.6 Law Enforcement Interfaces. Interfaces with law enforcement agencies and other security matters shall be conducted as specified in **Article VI**.

10.14 Service Functions.

10.14.1 Point of Contact for Resale Purchase Customer.

- (a) Primary Point of Contact. Except as otherwise provided in this Agreement, AT&T shall be the primary point of contact for all AT&T Customers.
- (b) Service Referrals. SBC-AMERITECH shall ensure that SBC-AMERITECH repair representatives who receive repair inquiries from AT&T users regarding AT&T services refer such inquiries to AT&T at a telephone number provided by AT&T.

For all other inquiries regarding services identified as being provided by AT&T, SBC-AMERITECH shall use its best efforts to ensure that SBC-AMERITECH representatives advise the inquiring party to contact AT&T. Further, SBC-AMERITECH shall use its best efforts to ensure that SBC-AMERITECH representatives who receive repair calls or inquiries regarding AT&T services do not in any way disparage or discriminate against AT&T, its products or services and do not provide information about SBC-AMERITECH products or services.

- (c) Customer Contact Employee Training. SBC-AMERITECH shall provide training for all its employees who may communicate, either by telephone or face-to-face, with AT&T Customers to assure that the requirements of this Agreement are met. Such training shall utilize

training materials provided by AT&T, and shall include compliance with the branding requirements of this Agreement. Furthermore, the same quality standards that SBC-AMERITECH requires of its employees when contacting an SBC-AMERITECH Customer (e.g., honesty, respect and courtesy) shall apply when its employees are in contact with AT&T Customers.

10.14.2 Operations Support Systems Functions.

- (a) Electronic Interface for Pre-Ordering, Ordering, and Provisioning. SBC-AMERITECH shall provide a real time electronic interface (“EI”) for transferring and receiving Service Orders and Provisioning data as described in Article XXXIII (Operational Support Systems) of this Agreement.
- (b) Provisioning Support.
 - (i) After receipt and acceptance of a Service Order, SBC-AMERITECH shall provision such Service Order in accordance with the Intervals established in Article XXXII (Performance Measurements).
 - (ii) SBC-AMERITECH shall provide AT&T with service status notices (Firm Order Commitments, Order Completion Notices) within intervals established in Article XXXII (Performance Measurements).
 - (iii) SBC-AMERITECH shall provide provisioning support to AT&T for Resale Services on the same basis SBC-AMERITECH provides that provisioning support to its retail Customers. Provisioning support for Resale Services may be expanded as mutually agreed by the Parties.
 - (iv) SBC-AMERITECH shall provide AT&T with the capability to have AT&T’s Resale Customer orders input to and accepted by SBC-AMERITECH’s Service Order systems outside of normal business hours in parity with the way SBC-AMERITECH’s Customer orders received outside of normal business hours are input and accepted.
- (c) Engineering Support. When requested by AT&T, SBC-AMERITECH shall provide timely engineering support.
- (d) Requests for Service Changes. Where SBC-AMERITECH provides installation, SBC-AMERITECH’s representatives shall inform an AT&T Customer to contact AT&T if such Customer requests a service change at the time of installation.

- (e) Non-Interruption of Service. Except as specifically provided in this Agreement or pursuant to an order of a court or commission of competent jurisdiction, SBC-AMERITECH may not initiate any disconnect, suspension or termination of an AT&T Customer's Resale Service, unless directed to do so by AT&T by transmission of a Service Order or SBC-AMERITECH's receipt of proper authorization to change such Customer's primary local exchange carrier to a carrier other than AT&T.
- (j) Intentionally left blank.
- (k) SBC-AMERITECH will provide to AT&T the electronic listing of AT&T Customers who change their local carrier, as specified in the Operations Support Systems Article of this Agreement.

10.14.3 Operations Support Systems Functions – Maintenance.
Maintenance will be provided by SBC-AMERITECH in accordance with the service parity requirements set forth in Article XXXII, (Performance Measurements).

10.15 Responsibilities of AT&T.

10.15.1 AT&T shall be responsible for providing to its Customers and to SBC-AMERITECH a telephone number or numbers that AT&T's Customers can use to contact AT&T in the event of service or repair requests. If AT&T's Customers contact SBC-AMERITECH with regard to such requests, SBC-AMERITECH shall inform such Customers that they should call AT&T and will provide AT&T's contact numbers to such Customers. At AT&T's request, SBC-AMERITECH shall provide a "warm" transfer to AT&T of calls it receives from AT&T's Customers for service or repair requests at the rates set forth in the Pricing Schedule.

10.16 Intentionally Left Blank.

10.17 Exchange of Billing Information.

10.17.1 SBC-AMERITECH shall provide to AT&T the Customer Usage Data Recorded by SBC-AMERITECH. Such data shall include complete AT&T Customer usage data for Resold Service, in accordance with the terms and conditions set forth in Article XXVII (Billing).

10.17.2 Interexchange call detail forwarded to SBC-AMERITECH for billing, which would otherwise be processed by SBC-AMERITECH, will be returned to the IXC and will not be passed through to AT&T. This call detail will be returned to the IXC with a transaction code indicating that the returned call originated from a resold account.

If AT&T does not wish to be responsible for 900 and 976 calls, it must order blocking for resold lines. AT&T will have no obligation to bill and collect from AT&T's customers the Information Service provider's charges, unless a separate billing and collection agreement is signed with either SBC-AMERITECH or the Information Services provider. Billing for 900 and 976 calls or other Information Services Traffic will be passed through when SBC-AMERITECH records the message. When the IXC records the 900 and 976 calls, the call detail will be returned to the IXC. If AT&T does not wish to be responsible for payment of charges for collect, third number billed, toll and information services (for example, 900 or 976) calls placed by its Resale customers, it must order the appropriate blocking for lines provided under this Agreement and pay any applicable charges. It is the responsibility of AT&T to order the appropriate toll restriction or blocking on lines resold to End Users. AT&T acknowledges that blocking is not available for certain types of calls, including 800, 888, 411 and Directory Assistance Express Call Completion and that some calls may bypass blocking systems. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. AT&T acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.

10.17.3 AT&T shall be responsible for providing all billing information to its Customers who purchase Resale Services from AT&T.

10.17.4 SBC-AMERITECH shall bill AT&T for Resale Services provided by SBC-AMERITECH to AT&T pursuant to the provisions of **Article XXVII**. SBC-AMERITECH shall recognize AT&T as the Customer of Record for all Resale Services and will send all notices, bills and other pertinent information directly to AT&T unless AT&T specifically requests otherwise. The bill will include sufficient data to enable AT&T to: (i) bill all charges to its Customers which are not included as Customer Usage Data, and (ii) reconcile the billed charges with the Customer Usage Data.

10.18 Use of Service

10.18.1 AT&T, and not SBC-AMERITECH, shall be responsible to ensure that its and its Customers' use of the Resale Services comply at all times with Applicable Law. SBC-AMERITECH may refuse to furnish or may disconnect Resale Services of AT&T or, as appropriate to AT&T's Customer, when:

- (a) An order is issued by a court, the Commission or any other duly authorized agency, finding that probable cause exists to believe that the use made or to be made of a Resale Service is prohibited by Applicable Law, or
- (b) SBC-AMERITECH is notified in writing by a law enforcement agency acting within its jurisdiction that any facility furnished by SBC-AMERITECH is being used or will be used for the purpose of

transmitting or receiving gambling information in interstate or foreign commerce in violation of law.

The provisions described in this **Section 10.18.1** shall apply only to the specific affected Resale Services.

10.18.2 Termination of Resale Service because of a use of service that does not comply with Applicable Law shall take place only after SBC-AMERITECH provides reasonable notice or as ordered by a court.

10.18.3 To the extent provided under the Telephone Consumer Protection Act (47 U.S.C. §227) and regulations thereunder, Resale Service shall not be used for the purpose of solicitation by recorded message when such solicitation occurs as a result of unrequested calls initiated by the solicitor by means of automatic dialing devices. Such devices, with storage capability of numbers to be called or a random or sequential number generator that produces numbers to be called and having the capability, working alone or in conjunction with other equipment, of disseminating a prerecorded message to the number called and which are calling party or called party controlled, are expressly prohibited.

10.18.4 The Resale Services shall not be used in any manner that interferes with other persons in the use of their Telecommunications Service, prevents other persons from using their Telecommunications Services, or otherwise impairs the quality of service to other carriers or SBC-AMERITECH's Customers.

10.18.5 If AT&T's use of Resale Services interferes unreasonably with the Resale Services of other carriers or their customers or SBC-AMERITECH or AT&T's Customers, AT&T shall be required to take Resale Services in sufficient quantity or of a different class or grade to correct such interference.

ARTICLE XI
NOTICE OF CHANGES -- SECTION 251(c)(5)

11.0 Notice of Changes – Section 251(c)(5).

11.1 Notice of Changes. Nothing in this Agreement shall limit either Party's ability to upgrade its network through the incorporation of new equipment, new software or otherwise. SBC-AMERITECH agrees to comply with the Network Disclosure rules adopted by the FCC in CC Docket No. 96-98, Second Report and Order, codified at 47 C.F.R. 51.325 through 51.335, as such rules may be amended from time to time (the "**Network Disclosure Rules**").

Any change made by SBC-AMERITECH to its Operational Support System functions will be handled in accordance with the requirements of **Article XXXIII**, (Change Management Process).

In addition to notice of network changes required in **Section 11.1**, above, and in addition to notifying AT&T of changes in single points of contact and notice recipients pursuant to this Agreement, SBC-AMERITECH communicates information to CLECs via its TCNet notification process. This process covers a variety of subjects, including updates on products/services promotions; deployment of new products/services; modifications and price changes to existing products/services; cancellation or retirement of existing products/services; and operational issues, hours of operation of SBC-AMERITECH centers, including LSC and LOC; closings of any such centers; holiday schedules of any such centers; and changes to processes of escalation relevant to CLEC orders, and billing questions. Notification time frames should be based on the nature of the urgency of the change.

ARTICLE XII
COLLOCATION -- SECTION 251(c)(6)

12.0 Collocation – Section 251(c)(6).

12.1 Physical Collocation. SBC-AMERITECH shall provide to AT&T Physical Collocation on its Premises for equipment necessary for Interconnection (pursuant to **Article III**) or for access to unbundled Network Elements (pursuant to **Article IX**), except that SBC-AMERITECH will provide for Virtual Collocation of such equipment if SBC-AMERITECH demonstrates to the Commission that Physical Collocation is not practical for technical reasons or because of space limitations, as provided in Section 251(c)(6) of the Act. SBC-AMERITECH shall provide AT&T Collocation only for the purpose of Interconnection or access to SBC-AMERITECH's Network Elements.

12.2 Virtual Collocation in Physical Collocation Space. Where AT&T is Virtually Collocated on the Effective Date in a space that was initially prepared for Physical Collocation, AT&T may elect to: (i) retain its Virtual Collocation on that Premises and expand that Virtual Collocation according to current procedures and applicable tariffs, or (ii) unless it is not practicable for technical reasons or because of space limitations, revert to Physical Collocation, in which case AT&T shall coordinate with SBC-AMERITECH for rearrangement of its transmission equipment and facilities, for which SBC-AMERITECH shall impose no conversion charge. All applicable Physical Collocation recurring charges shall apply.

12.3 Virtual Collocation in Virtual Collocation Space. Where AT&T is Virtually Collocated in a space which was initially prepared for Virtual Collocation, AT&T may elect to: (i) retain its Virtual Collocation in that space and expand that Virtual Collocation according to current procedures and the terms and conditions of this Agreement or, (ii) unless it is not practical for technical reasons or because of space limitations, convert its Virtual Collocation to Physical Collocation at such Premises, in which case AT&T shall coordinate the construction and rearrangement with SBC-AMERITECH of its transmission equipment and facilities for which AT&T shall pay SBC-AMERITECH at the rates set forth in the **Pricing Schedule**. In addition, all applicable Physical Collocation recurring charges shall apply.

12.4 Nondiscriminatory Collocation. Collocation shall be made available to AT&T by SBC-AMERITECH on a basis that is at least equal in quality, price and priority that SBC-AMERITECH provides to itself, its subsidiaries, Affiliates or other persons. The quality of design, performance, features, functions and other characteristics of Collocation made available to AT&T under this Agreement shall be at parity to that which SBC-AMERITECH provides in its network to itself, its subsidiaries, its Affiliates or other persons.

12.5 Eligible Equipment.

AT&T may Collocate equipment necessary for Interconnection, or access to SBC-AMERITECH's Network Elements including the following types of equipment:

- (a) OLTM equipment,
- (b) multiplexers,
- (c) Digital Cross-Connect Panels,
- (d) Optical Cross-Connect Panels,
- (e) Digital Loop Carrier, utilizing transmission and advanced services capabilities only, pending the FCC's adoption of new rules concerning the collocation of such equipment,
- (f) Data voice equipment,
- (g) Equipment used to offer advanced services, including but not limited to DSLAMs and Routers,
- (h) Remote switch modules and optical remote units, and
- (i) any other transmission equipment collocated as of August 1, 1996 necessary to terminate basic transmission facilities pursuant to 47 C.F.R. §§ 64.1401 and 64.1402.

AT&T may Collocate equipment necessary for Interconnection or access to unbundled Network Elements, which shall include equipment used for signal regeneration (or "hubbing"). AT&T may provide its own BDFB or mini-BDFB. Where AT&T provides its own BDFB or mini-BDFB, AT&T shall provide its own power equipment and SBC-AMERITECH shall provide the power leads from its power source to the AT&T provided BDFB or mini-BDFB. All AT&T provided BDFBs or mini-BDFBs shall meet the Telecordia NEBS Level 1 safety standards. SBC-AMERITECH shall provide 200 amp and 100 amp power leads to the AT&T provided BDFBs and mini-BDFB as a standard caged collocation offering, according to the pricing and provisioning intervals in Southwestern Bell Telephone Company Texas collocation tariff. If the Ohio Commission finds that different terms and conditions should apply to the pricing and provisioning intervals of power leads in its dockets OPUC 96-922 and/or 00-1368, the Parties may amend this Agreement to incorporate such different terms and conditions. AT&T may install in any collocation space any equipment necessary for interconnection with SBC-AMERITECH or access to SBC-AMERITECH's Network Elements that has met, (i) Telecordia NEBS Level 1 safety standards, (ii) NEBS EMI emissions requirements, as stated in GR-1089-CORE. Any equipment type with a history of safe operation demonstrated by placement as network equipment in SBC-AMERITECH's network premises prior to January 1, 1998, with no documented or known

history of safety problems may be installed in SBC-AMERITECH's central offices. SBC-AMERITECH shall not impose or enforce any additional or separate safety standards more stringent than it imposes on its own equipment. SBC-AMERITECH has ten (10) Business days from receipt of the application to accept the equipment listed on the application. If SBC-AMERITECH denies collocation of equipment designated by AT&T, citing safety standards, SBC-AMERITECH will provide within five (5) business days a list of all SBC-AMERITECH network equipment that SBC-AMERITECH has located at the premise together with an affidavit attesting that SBC-AMERITECH's network equipment on such list meets or exceeds the safety standards that SBC-AMERITECH contends AT&T's equipment fails to meet. Additionally, AT&T shall be permitted to collocate for any purpose, or in any manner or method authorized by the Act, the Commission or the FCC.

12.6 Transmission Facility Options. For both Physical Collocation and Virtual Collocation, AT&T may either purchase unbundled transmission facilities (and any necessary Cross-Connection) from SBC-AMERITECH or provide its own or third-party leased transmission facilities and terminate those transmission facilities in its equipment located in its Collocation space at SBC-AMERITECH's Premises.

12.7 Interconnection with other Collocated Carriers. Upon written request to SBC-AMERITECH, AT&T shall be permitted to Interconnect its network with that of another collocating Telecommunications Carrier at SBC-AMERITECH's Premises by connecting its collocated equipment to the collocated equipment of the other Telecommunications Carrier via a Cross-Connection or other connecting transmission facilities. AT&T shall not be required by SBC-AMERITECH to purchase a Cross-Connect to interconnect with the collocated equipment of other Telecommunication Carriers. AT&T may make this connection to another collocating Telecommunications Carrier so long as: (i) AT&T's and the other collocating Telecommunications Carrier's collocated equipment are both used for Interconnection with SBC-AMERITECH or for access to SBC-AMERITECH's Network Elements, (ii) AT&T provides the connection between the equipment in the collocated spaces via a Cross-Connection or copper or optical connecting transmission facility that, at a minimum, complies in all respects with SBC-AMERITECH's technical and engineering requirements as identified in **Section 12.5** and, (iii) the connecting transmission facilities of AT&T and the other collocating Telecommunications Carrier are contained wholly within space provided solely for Physical Collocation within SBC-AMERITECH's Premises. SBC-AMERITECH shall not impose on AT&T more stringent technical and engineering requirements than those SBC-AMERITECH imposes on its own equipment. SBC-AMERITECH shall not be authorized to dictate any terms or wording of any agreement which AT&T may enter into with any CLEC or other collocating entity.

12.8 Interconnection Points and Cables.

SBC-AMERITECH shall:

12.8.1 Provide AT&T an Interconnection point or points physically accessible by both SBC-AMERITECH and AT&T, at which the fiber optic cable carrying

AT&T's circuits can enter SBC-AMERITECH's Premises; provided that SBC-AMERITECH shall designate Interconnection Points as close as reasonably possible to SBC-AMERITECH's Premises;

12.8.2 Provide at least two (2) such Interconnection points at SBC-AMERITECH's Premises at which there are at least two (2) entry points for AT&T's cable facilities, and at which space is available for new facilities in at least two (2) of those entry points;

12.8.3 Permit AT&T Interconnection of copper or coaxial cable if AT&T demonstrates that the use of copper or coaxial cable will not impair Ameritech's ability to serve its own customer or subsequent collocators; and

12.8.4 Permit AT&T Physical Collocation of equipment associated with microwave entrance facilities to Collocation, to the same extent SBC-AMERITECH permits physical Collocation arrangements to itself, affiliates or other Carriers. Where Physical Collocation of equipment associated with microwave entrance facilities to Collocation is not technically feasible, SBC-AMERITECH shall provide Virtual Collocation of such facilities as required where technically feasible.

12.8.5 Permit AT&T to link its collocation cages to its other collocation cages located in the same central office without purchasing a cross-connect. If the cages are separated by other SBC-AMERITECH designated space, AT&T will be permitted to run cabling, limited only by SBC-AMERITECH's reasonable safety and network security requirements that it imposes on itself on SBC-AMERITECH provided and designated cabling racks.

12.9 Condominium Arrangements.

12.9.1 If AT&T is Collocated in SBC-AMERITECH's Premises, and such Premises are located in the same building as AT&T Affiliate's POP pursuant to a Condo Arrangement listed on **Schedule 16.10**, then SBC-AMERITECH shall, upon AT&T's submission of a service order, permit AT&T to interconnect its network with that of its Affiliate by connecting its equipment Collocated in SBC-AMERITECH's Premises to its Affiliate's facilities located in such Affiliate's POP (such direct connection referred to as a "Condo Connection").

12.9.2 If AT&T orders a Condo Connection, such Condo Connection shall: (i) be constructed by an SBC-AMERITECH approved vendor selected by and on behalf of AT&T, (ii) require AT&T to lease SBC-AMERITECH cable rack (or, if cable rack is not available within ninety (90) days after AT&T's order for a Condo Connection, AT&T may use conduit installed by AT&T) and/or, as applicable, riser space, to carry the connecting transport facility from AT&T's Collocated equipment to, as applicable, either the demarcation point between the SBC-AMERITECH Premises and the Affiliate's POP or the entry point into SBC-AMERITECH's Premises, (iii) traverse the

path designated by SBC-AMERITECH (regardless of whether cable rack or conduit is used), and (iv) comply in all material respects with the same technical and engineering requirements that SBC-AMERITECH imposes on its provision of functionally similar connecting facilities within its Premises.

12.9.3 AT&T may order a Condo Connection from SBC-AMERITECH concurrent with or at any time after its request for Collocation in SBC-AMERITECH's Premises. AT&T may, for diversity purposes, request that SBC-AMERITECH designate two (2) paths within the SBC-AMERITECH Premises for Condo Connections.

12.9.4 SBC-AMERITECH shall charge, and AT&T agrees to pay, the rates for Condo Connection set forth in the **Pricing Schedule**; provided, however, that AT&T shall be responsible for any extraordinary charges incurred by SBC-AMERITECH to effectuate such Condo Connection, in which case extraordinary charges shall apply on a time and materials basis. When AT&T requests two (2) diverse paths, each path shall be assessed a Project Management Fee and appropriate recurring fees.

12.9.5 SBC-AMERITECH represents that the rates applicable to Condo Connection have been established in accordance with Section 252(d) of the Act. However, the Commission has neither approved nor opined on the actual rates contained in this Agreement for Condo Connection (the "CC Rates"). SBC-AMERITECH shall bill and AT&T shall pay SBC-AMERITECH for Condo Connection(s) at the CC Rates set forth in the **Pricing Schedule**. Notwithstanding anything to the contrary in this Agreement, if during the Term the Commission establishes or approves in an applicable proceeding rates different than the CC Rates (the "Final CC Rates"), the Parties agree to substitute the existing CC Rates with the Final CC Rates and such Final CC Rates will apply on a prospective basis. In addition, the Parties shall retroactively "true-up" the amounts the Parties have previously paid and/or received such that each Party receives and/or pays the same level of compensation it would have received and/or paid had the Final CC Rates originally applied in lieu of the CC Rates. In addition, nothing in this Agreement shall preclude AT&T, on its own motion, to request the Commission to establish or approve Final CC Rates.

12.9.6 If AT&T provisions a Condo Connection: (i) SBC-AMERITECH will not accept any liability for the connecting transport facility or the connections unless damage to the connecting transport facility or connections is caused by the actions or inactions of SBC-AMERITECH, its Affiliates or SBC-AMERITECH's authorized agents acting on SBC-AMERITECH's behalf, (ii) SBC-AMERITECH will not inventory the connecting transport facility and, (iii) AT&T shall, in addition to its indemnity obligations set forth in **Article XXV**, indemnify SBC-AMERITECH for any loss arising from AT&T's installation, use, maintenance or removal of such Condo Connection to the extent such Loss is caused by the actions or inactions of AT&T, its Affiliates or its agents.

12.9.7 When AT&T and SBC-AMERITECH are located in a “condo” building, AT&T shall be allowed to locate, in AT&T’s Wire Center, equipment that normally would have been Collocated in SBC-AMERITECH’s Wire Center to enable AT&T to access SBC-AMERITECH’s unbundled Network Elements. Such equipment will be connected to SBC-AMERITECH’s unbundled Network Elements through a mid-span meet arrangement at the DSO, DS1, DS3, OC3, OC12, OC48 and where available, STS-1 rates, subject to any technical limitation on the distance between Wire Centers. AT&T will pay all costs (as defined in Section 252(d) of the Act) relating to any such mid-span meet arrangement and will also be responsible for the connection between AT&T’s Wire Center and SBC-AMERITECH’s facilities.

12.10 Allocation of Collocation.

12.10.1 AT&T may reserve Collocation space for its future use in SBC-AMERITECH's Premises in accordance with the provisions of **Schedule 12.9.1**. SBC-AMERITECH shall notify AT&T in writing if another Telecommunications Carrier requests Collocation space that is reserved by AT&T. AT&T shall within five (5) Business Days of receipt of such notice provide SBC-AMERITECH either: (i) written notice that AT&T relinquishes such space, or (ii) enforce its reservation of space in accordance with the provisions of **Schedule 12.9.1**. Failure of AT&T to respond to SBC-AMERITECH within the foregoing five (5) Business Day period shall be deemed an election by AT&T to relinquish such space.

12.10.2 SBC-AMERITECH shall not be required to lease or construct additional space in a Premises to provide AT&T Physical Collocation when existing space in such Premises has been exhausted. Upon request by the appropriate State Commission or AT&T, SBC-AMERITECH will remove any obsolete and unused equipment at its premise to make collocation space available. To the extent allowed by applicable state law and as determined by state regulatory proceedings, SBC-AMERITECH will be permitted to recover cost of removal and/or relocation of such equipment if SBC-AMERITECH incurs expenses that would not otherwise have been incurred (at the time of the request or subsequent thereto) except to increase the amount of space available for collocation (e.g. costs to expedite removal of equipment or store equipment for reuse).

12.10.3 AT&T will provide SBC-AMERITECH with a two (2)-year rolling forecast of its requirements for Collocation that will be reviewed jointly on a yearly basis by the Parties, in accordance with the planning processes described in **Schedule 12.9.3**. SBC-AMERITECH will attempt to deliver Collocation pursuant to AT&T's forecasts to the extent that Collocation space is then available.

12.10.4. SBC-AMERITECH shall respond to an AT&T application for Physical Collocation within 10 (ten) business days. In its response, SBC-AMERITECH shall state whether the requested space is available. In addition, SBC-AMERITECH shall provide a floor plan and a detailed price quotation of any extraordinary charges, if applicable. If SBC-AMERITECH denies AT&T's application for Physical Collocation, SBC-AMERITECH

shall state with specificity in its response all of the reasons it is denying AT&T's request for Physical Collocation and specify any available alternative arrangements. If one of SBC-AMERITECH's specified reasons for denying AT&T's request for Physical Collocation is space exhaustion, SBC-AMERITECH will state in its response the most recent date on which the Central Office in question was reviewed with respect to any Telecommunications Carrier by a State Public Utilities Commission and certified as being space exhausted. If the State Commission review was conducted more than six (6) months previously, SBC-AMERITECH will state in its response that date, not less than 10 (ten) days, on which AT&T may conduct a walk-through of the central office in question.

12.11 Security Arrangements.

12.11.1 AT&T and SBC-AMERITECH agree that security is important for both companies to ensure their respective networks reliability and security, SBC-AMERITECH may require that AT&T comply with reasonable security measures that SBC-AMERITECH uses for its own employees and contractors.

12.11.2 AT&T employees and contractors will receive the same level of security training which SBC-AMERITECH requires for its employees or contractors. Unless agreed to otherwise by AT&T, AT&T employees and contractors will receive security training from a vendor other than SBC-AMERITECH.

12.11.3 After the Occupancy Date AT&T will have access to its Physically Collocated equipment twenty-four (24) hours per day, seven (7) days per week. AT&T employees are not required to be accompanied by either a security escort or any other SBC-AMERITECH employee while on SBC-AMERITECH premises. AT&T employees will have immediate access to the facility and the AT&T equipment. SBC-AMERITECH cannot otherwise delay AT&T's entry onto SBC-AMERITECH property. AT&T authorized personnel will have access to health related facilities (e.g., bathrooms), as well as access to parking as it is available. AT&T employees and contractors, with proper identification, who have a work order or a open trouble ticket will be permitted access to AT&T Physically Collocated equipment within SBC-AMERITECH facilities, to the same extent SBC-AMERITECH employees are provided such access, to the SBC-AMERITECH central office.

12.11.4 SBC-AMERITECH shall not use any information it collects in the course of implementing or operating security arrangements or other activities for marketing or any other purpose.

12.12 Publicly Available Information. SBC-AMERITECH will make information regarding its Collocation space available on its TCNet internet website. SBC-AMERITECH shall provide on its TCNet website the following information: (i) a list of all Central Offices where there is no more Physical Collocation and/or Virtual Collocation space available), and (ii) at least quarterly, a list of all equipment installed within the network area of its facilities that within the previous twelve (12) months (and updated as

needed to keep it current) failed to meet the Level 1 safety requirements of Telecordia NEBS, SBC-AMERITECH EMI and corrosion guidelines.

12.13 Subcontractor and Vendor Approval. SBC-AMERITECH shall permit AT&T to subcontract the construction and build-out of Physical Collocation arrangements with contractors approved by SBC-AMERITECH which approval shall not be unreasonably withheld. Approval of such subcontractors and vendors by SBC-AMERITECH shall be based on the same criteria it uses in approving contractors for its own purposes. Upon request, SBC-AMERITECH will provide AT&T with the written policies used in determining whether or not a contractor will be approved. In addition, SBC-AMERITECH shall allow AT&T to have an SBC-AMERITECH-approved vendor install updates to collocated equipment, including software updates.

12.14 Collocation in Adjacent Facilities.

- (a) When SBC-AMERITECH demonstrates that space is legitimately exhausted at a location, then SBC-AMERITECH will allow AT&T to collocate, on SBC-AMERITECH's property, by constructing an adjacent controlled environmental vaults or similar structures normally used to house telecommunications equipment to the extent technically feasible and subject only to reasonable safety and maintenance requirements. SBC-AMERITECH shall have no obligation to provision Adjacent Collocation until AT&T has secured and provided SBC-AMERITECH evidence of final approval for the requested Adjacent Structure (and any transmission and power connections) from any applicable local and/or state governmental or other authority having jurisdiction to approve or grant zoning compliance or waivers and if the land on which AT&T seeks to locate such Adjacent Structure is not owned by SBC-AMERITECH, such owner or landlord. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard. AT&T shall place no signage or marking of any kind on an Adjacent Structure or on SBC-AMERITECH's grounds surrounding the Adjacent Structure. When requested SBC-AMERITECH will provide up to one hundred (100) AMPS of AC power to the Adjacent Structure when Central Office Switchboard AC capacity exists and up to two hundred (200) AMPS of DC power to Adjacent Facilities up to two hundred (200) feet from the outside Central Office wall or the SBC-AMERITECH property line, as permitted by applicable zoning laws and ordinances. When power requirements are beyond these office capacities and distance limitations SBC-AMERITECH will treat the requirements as a non-standard request (ICB or NSCR) and coordinate a mutually agreeable solution for provisioning power with AT&T. At its option, AT&T may choose to provide its own AC and DC power to the Adjacent Structure. SBC-AMERITECH will provide power and physical collocation services and facilities to such Adjacent Facilities, subject to the same nondiscrimination requirements as traditional collocation arrangements.

12.15 Delivery of Collocated Space.

12.15.1 SBC-AMERITECH shall provide AT&T with a single point of contact for all inquiries regarding Collocation. AT&T shall request space for Collocation by delivering a written request to SBC-AMERITECH. Each request for Collocation shall include: (i) the Premises in which Collocation is requested, (ii) the amount of space requested, (iii) the interoffice transmission facilities AT&T will require for such space, (iv) the equipment to be housed in such space, (v) AT&T's anticipated power requirements for the space, (vi) any extraordinary additions or modifications (i.e., security devices, node enclosures, HVAC, etc.) to the space or to the Premises to accommodate AT&T's collocated equipment, (vii) the specific level of diversity for fiber and power cabling to and from the Collocated space and (viii) the date on which AT&T intends to initiate service from such space. SBC-AMERITECH shall notify AT&T in writing within ten (10) Business Days of receiving AT&T's request for Collocation as to whether the requested space is available. The same Schedules apply for Caged, Shared Cage and Cageless Physical Collocation. If space is not available for Physical Collocation, SBC-AMERITECH will allow AT&T to visit and tour the entire office in question within ten (10) days of its notice to AT&T. If after the tour, SBC-AMERITECH and AT&T do not agree that space is unavailable, SBC-AMERITECH will file with the state Commission detailed floor plans and/or diagrams of such premises to the extent that it is accepted by the appropriate State Commission. AT&T may also request Virtual Collocation Space in accordance with **Section 12.15.5**. If intraoffice facilities will not be available for Collocation of initial service within three (3) months of receipt of AT&T's payment of the Initial COBO fee for Physical Collocation, or twelve (12) weeks after receipt of AT&T's request for Virtual Collocation pursuant to **Section 12.15.1**, then SBC-AMERITECH shall provide written notification, within ten (10) Business Days after the initial walkthrough, as to when the intraoffice facilities will be made available.

12.15.2 Physical Collocation.

- (a) If space for Physical Collocation is immediately available at the time of AT&T's request, SBC-AMERITECH shall include in its notice to AT&T: (i) the space to be provided, and (ii) whether SBC-AMERITECH can deliver the space to AT&T by the date set forth in **Section 12.15.2(d)**.
- (b) At AT&T's request, SBC-AMERITECH will make cageless collocation available to AT&T in single-bay (10 square feet) or single cabinet (18 square feet) increments. A cageless collocation is one in which AT&T collocates in any unused space that is conditioned to house its equipment. AT&T is not required to construct any enclosure of its equipment. AT&T may locate equipment at any location in the Central Office, up to SBC-AMERITECH's last unreserved bay space in that central office. In the case of Remote Terminal Cabinet,

Controlled Environment Vault or Hut cageless collocation will be offered in increments of one (1) shelf.

- (c) If AT&T's requested Physical Collocation space is available, SBC-AMERITECH and AT&T shall have an initial walkthrough of such space within ten (10) Business Days after SBC-AMERITECH's receipt of AT&T's Initial COBO Payment. SBC-AMERITECH shall, within ten (10) Business Days after such initial walkthrough, provide documentation submitted to and received from contractors for any work being done on behalf of AT&T that will be billed as extraordinary expenses and provide for a parallel installation sequence.
- (d) The Parties acknowledge that Physical Collocation Delivery Intervals are the subject of an FCC Proceeding. Until such time as the FCC issues its final decision, the Parties shall abide by the physical collocation delivery intervals set forth in SBC-AMERITECH's Illinois Tariff ILL. CC. No. 20, Part 23, Section 4, paragraphs 11 b. through d., and 14 a., b., d., e., and f.
- (e) SBC-AMERITECH will provide reduced intervals to AT&T where AT&T has existing collocation space and AT&T requests different interconnection arrangements in that existing space. Collocation arrangements shall be provided pursuant to **Schedule 12.15.2.**
- (f) Physical Collocation space ordered by AT&T will be made available to AT&T by SBC-AMERITECH as more fully described in **Schedule 12.16.**
- (g) If SBC-AMERITECH does not provide AT&T with its Collocated space by the Delivery Date and such delay is caused directly by SBC-AMERITECH's actions or its failure to act (and not by an AT&T Delaying Event), AT&T shall receive a credit of one ninetieth (1/90th) of its COBO payment for each day after the applicable Delivery Date that such conditioned Collocated space is not made available and one one hundred and fiftieth (1/150th) of its COBO payment for each day after the applicable Delivery Date that such non-conditioned Collocated space is not available.
- (h) SBC-AMERITECH may begin billing AT&T for recurring charges for the Collocated space on the date such space is made available to AT&T for occupancy (the "Occupancy Date"), if the Occupancy Date occurs on, or after the Committed Delivery Date. AT&T will not be obligated to begin paying for space if said space is delivered prior to the Committed Delivery Date and AT&T is not ready to take possession. AT&T shall vacate the Collocated space if either: (i)

AT&T fails to install within ninety (90) days of the Occupancy Date the equipment necessary for Interconnection and/or access to Unbundled Network Elements to be housed in such space, or (ii) AT&T fails to Interconnect to the SBC-AMERITECH network within one hundred and fifty (150) days of the Occupancy Date. If AT&T is required to vacate the space pursuant to this **Section 12.15.2(h)**, AT&T shall vacate such space within ninety (90) Business Days of the earliest to occur of the foregoing events. If, after vacating a space, AT&T still requires Collocation in that Premises, AT&T shall be required to submit a new request for Collocation pursuant to the provisions of **Section 12.15.1**.

- (i) Physical Collocation will be subject to the additional rules and regulations set forth in **Section 2.0** of **Schedule 12.12**, and AT&T shall pay SBC-AMERITECH no more than a pro-rated cost for space preparation security measures and other charges based on the percentage of total space actually used by AT&T.
- (j) SBC-AMERITECH shall provide positive confirmation to AT&T when construction of AT&T Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date. The Implementation Plan will include a process for determining when construction is fifty percent (50%) complete.
- (k) At AT&T's request SBC-AMERITECH shall provide, within three (3) months after receiving AT&T's Initial COBO Payment, equipment node enclosures at a height of eight (8) feet, without ceiling. Where SBC-AMERITECH cannot feasibly provide AT&T with equipment node enclosures within such three (3) month period, SBC-AMERITECH shall notify AT&T of this fact within ten (10) Business Days from the receipt of AT&T's request. The Parties shall then negotiate a reasonable time frame.
- (l) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of all Collocated space requested from SBC-AMERITECH. Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from AT&T's original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T.

- (m) Caged Physical Collocation will be available in fifty (50) square foot increments with the minimum size cage being fifty (50) square feet.

12.15.3 Physical Collocation in CEV or other Adjacent Structure.

- (a) If space for Collocation in SBC-AMERITECH's office is not available at the time of AT&T's request, and the Central Office space is Legitimately Exhausted, AT&T can request via a non standard request (NSCR) that they be allowed to install a CEV or similar structure adjacent to SBC-AMERITECH's office on SBC-AMERITECH property.
- (b) SBC-AMERITECH shall have no obligation to provision Adjacent Collocation until AT&T has secured and provided SBC-AMERITECH evidence of final approval for the requested Adjacent Structure (and any transmission and power connections) from any applicable local and/or state governmental or other authority having jurisdiction to approve or grant zoning compliance or waivers and if the land on which AT&T seeks to locate such Adjacent Structure is not owned by SBC-AMERITECH, such owner or landlord. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard. AT&T shall place no signage or marking of any kind on an Adjacent Structure or on SBC-AMERITECH's grounds surrounding the Adjacent Structure.
- (c) SBC-AMERITECH and AT&T shall have an initial site visit of such premises within ten (10) Business Days after SBC-AMERITECH's receipt of AT&T's acceptance and payment of the NSCR quote. SBC-AMERITECH shall, within thirty (30) Business Days after such initial visit, provide documentation to include drawings of the physical structures above and below ground, which will allow AT&T's contractor to begin work.
- (d) SBC-AMERITECH shall deliver to AT&T the requested space on or before the later of: (i) one hundred eighty (180) days from SBC-AMERITECH's receipt of AT&T's NSCR, (ii) ninety (90) days from the receipt of AT&T's NSCR quote payment, or (iii) such other reasonable date that the Parties may agree upon if it is not feasible for SBC-AMERITECH to deliver to AT&T such real estate within the foregoing intervals (such date of delivery referred to as the "Delivery Date".)
- (e) If SBC-AMERITECH does not provide AT&T with the space by the Committed Delivery Date and such delay is caused directly by SBC-

AMERITECH's actions or its failure to act (and not by an AT&T Delaying Event), AT&T shall receive a credit of 1/120th of its Collocation payment for each day after the applicable Delivery Date that such collocated real estate is not made available for construction of the CEV or similar structure.

- (f) SBC-AMERITECH may begin billing AT&T for the recurring charges for the space on the date such space is made available to AT&T for occupancy (the "Occupancy Date").
- (g) AT&T is responsible for obtaining any building permits or other approvals which may be necessary to construct the facility. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard.
- (h) AT&T or their approved contractor will construct the facility. SBC-AMERITECH will provide power and all other physical collocation services and facilities up to two hundred (200) feet from the outside Central Office wall or the SBC-AMERITECH property line, as permitted by applicable zoning laws or ordinances.
- (i) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of the constructed facility. Exceptions that are noted during this acceptance walkthrough shall be corrected by the responsible party within thirty (30) days after the walkthrough.

12.15.4. Shared Collocation

- (a) Upon request, Ameritech shall provide AT&T Shared Caged Collocation in any Unused Space.
"Shared Caged Collocation" is caged Physical Collocation space shared by AT&T and one or more competitive Local Exchange Carriers ("CLEC") pursuant to terms and conditions agreed upon by such carriers. AT&T may request that Ameritech provide Shared Caged Collocation via: (i) a new request for Physical Collocation whereby the carrier requesting such space allocates the requested space among the number of carriers initially requesting such space ("New Shared Collocation"), or (ii) a request by AT&T to enter into a sublease arrangement with another CLEC in AT&T's existing Physical Collocation ("Subleased Shared Collocation"). In each Shared Caged Collocation arrangement, SBC-AMERITECH's single point of contact with respect to such arrangement (other than billing of Preparation Charges as described in subsection (b) below)

shall be referred to as the "Primary Collocator". For New Shared Collocation, the Primary Collocator shall be the single carrier that submits the request for New Shared Collocation on behalf of the other Resident Collocators. For Subleased Shared Collocation, the Primary Collocator shall be the carrier that originally requested and occupied such space and is the sublessor in such arrangement. For purposes of this **Article XII**, each carrier (including AT&T and the Primary Collocator) to a Shared Caged Collocation arrangement is sometimes referred to as a "Resident Collocator." An order for Shared Caged Collocation shall include blanket letters of authorization: (A) signed by the Primary Collocator that authorize each other Resident Collocator to utilize the Connecting Facility Assignments associated with the Primary Collocator, and (B) signed by each Resident Collocator that authorize the Primary Collocator to request and place firm orders for Shared Caged Collocation and facilities on behalf of such Resident Collocators.

- (b) New Shared Collocation is available in increments of fifty (50) square feet (per caged space dimensions, not per carrier). Resident Collocators shall request New Shared Collocation from SBC-AMERITECH in a single application. A request and any subsequent order for New Shared Collocation shall be submitted by the Primary Collocator. Each request for New Shared Collocation shall identify each Resident Collocator and the number of bays attributable to the Primary Collocator and each Resident Collocator. When making New Shared Collocation available, SBC-AMERITECH shall: (i) not, except as otherwise specifically required to accommodate a Resident Carrier's specific instructions, increase the Preparation Charges above the cost of provisioning a cage of similar dimensions and materials to a single collocating carrier, and (ii) prorate the Preparation Charges incurred by SBC-AMERITECH to construct the shared Collocation cage or condition the space for Collocation use among the Resident Collocators utilizing the New Shared Collocation space, by determining the total charges to make that space available and allocating that charge to each Resident Collocator based on the percentage of total space utilized by that carrier; provided, that the percentage of total space divided among the Resident Collocators in a New Shared Collocation space equals one hundred percent (100%) of such Preparation Charges. Allocation of Preparation Charges shall occur only upon the initial delivery of New Shared Collocation and SBC-AMERITECH shall not be required to adjust such allocation if another Resident Collocator subsequently shares such space. Except with respect to prorated Preparation Charges, SBC-AMERITECH shall bill only the Primary Collocator for, and the Primary Collocator shall be the

primary obligor with respect to the payment of, all charges other than Preparation Charges billed on New Shared Collocation. It is the Primary Collocator's responsibility to recover from each other Resident Collocator such carrier's proportionate share of such other charges billed to the Primary Collocator for the New Shared Cage Collocation. Any additional or extraordinary charges incurred to accommodate a Resident Collocator's specific instructions (e.g., unique power arrangements, cabling, etc.) will not be prorated but instead will be directly billed to the Primary Collocator. If AT&T is a Resident Collocator but not the Primary Collocator in a New Shared Collocation arrangement, AT&T agrees that the rates, terms and conditions of the Collocation provisions of the Primary Collocator's Section 251/252 agreement shall apply to its New Shared Collocation arrangement in lieu of those set forth herein. Further, if AT&T is the Primary Collocator in a New Shared Collocation arrangement, as a condition of ordering New Shared Allocation, AT&T shall require its Resident Collocator(s) to execute an agreement prior to the Delivery Date that, inter alia, requires such Resident Collocator(s)' compliance with the terms, conditions and restrictions relating to Collocation contained in this Agreement and designates SBC-AMERITECH as a third party beneficiary of such agreement. Requesting Carrier, acting in its capacity as Primary Collocator, shall notify its Resident Collocator(s) of the obligation to comply with the Collocation provisions of this Agreement and shall be responsible for any breach of such provisions by the Resident Collocator(s).

- (c) For Subleased Shared Collocation, if the Requesting Carrier is the Primary Collocator, then Requesting Carrier shall be responsible for its and its Resident Collocator's compliance with the terms, conditions and restrictions of this Agreement. As a condition to permitting another carrier to sublease space from AT&T, AT&T shall require such other carrier(s) to execute a sublease agreement prior to the Delivery Date that, inter alia, requires such carrier's compliance with the terms, conditions and restrictions relating to Collocation contained in this Agreement and designates SBC-AMERITECH as a third party beneficiary of such agreement. Requesting Carrier, acting in its capacity as Primary Collocator, shall notify its Resident Collocator(s) of the obligation to comply with the Collocation provisions of this Agreement and shall be responsible for any breach of such provisions by the Resident Collocator(s). If AT&T is the sublessee (i.e., not the Primary Collocator) in a Subleased Shared Collocation arrangement, AT&T agrees that the rates, terms and conditions of the Collocation provisions of the Primary Collocator's Section 251/252 agreement

shall apply to its Subleased Shared Collocation arrangement in lieu of those set forth herein.

- (d) AT&T represents and warrants to SBC-AMERITECH that each Resident Collocator with which it shares Shared Caged Collocation space shall Collocate equipment only as permitted by **Section 12.4** and which is necessary to Interconnect with SBC-AMERITECH or for access to SBC-AMERITECH's unbundled Network Elements. SBC-AMERITECH shall provide AT&T access to SBC-AMERITECH's unbundled Network Elements and permit AT&T to Interconnect its network with SBC-AMERITECH from Shared Caged Collocation, regardless if AT&T was the original Collocator. AT&T, however, shall have no right to request and SBC-AMERITECH shall have no obligation to provide AT&T's Resident Collocators access to SBC-AMERITECH's unbundled Network Elements or SBC-AMERITECH's network. Instead, a Resident Collocator's rights shall be as determined by such Resident Collocator's contractual arrangement (Section 251/252 agreement or tariff, as applicable) with SBC-AMERITECH.
- (e) As a condition of entering into Shared Caged Collocation, AT&T agrees that if it is not the Primary Collocator in a New Shared Collocation, or if it is the sublessee in a Subleased Shared Collocation arrangement, it unconditionally and irrevocably undertakes and guarantees SBC-AMERITECH the prompt and full payment of any charges assessed on the Shared Caged Collocation. If the Primary Collocator in a Shared Caged Collocation arrangement no longer occupies the space, the other Resident Collocators must immediately identify a new Primary Collocator. If only one carrier remains in the Shared Cage Collocation, that carrier shall become the Primary Collocator. SBC-AMERITECH shall bill the new Primary Collocator any applicable charges to change SBC-AMERITECH's records and databases to reflect such new Primary Collocator.
- (f) Any obligation of SBC-AMERITECH under this **Article XII** (and any schedules referenced herein) to provide Requesting Carrier notice, information, documents or other materials shall, in a Shared Caged Collocation arrangement, be limited to the provision of such notice, information, documents or other materials to the Primary Collocator only.
- (g) SBC-AMERITECH shall commit to deliver Requested Collocators the requested space on or before a date (the "**Committed Delivery Date**")

which shall be set in accordance with **12.15.2(d)** or such other reasonable date that the Parties may agree upon.

- (h) SBC-AMERITECH will make Shared Physical Collocation space ordered available to Resident Collocators in fifty (50) square foot increments as fully described in **Section 2.0** of **Schedule 12.12**.
- (i) If SBC-AMERITECH does not provide the shared collocated space by the Committed Delivery Date and such delay is caused directly by SBC-AMERITECH's actions or its failure to act (and not by a Resident Collocator Delaying Event), SBC-AMERITECH shall provide the Primary Collocator a credit of one one hundred twentieth (1/120th) of the COBO for each day after the applicable Delivery Date that such collocated space is not made available.
- (j) SBC-AMERITECH may begin billing AT&T, as the Primary Collocator, for recurring charges for the Shared Collocated space on the date such space is made available to AT&T and the Resident Collocator(s) for occupancy (the "**Occupancy Date**") if the Occupancy Date occurs after the Committed Delivery Date, or actual date on which AT&T begins to occupy the Collocated space if the Occupancy Date occurs after the Committed Delivery Date. There is no obligation on the part of AT&T, as the Primary Collocator, to begin paying for space if said space is delivered prior to the Committed Delivery Date and neither AT&T nor other Resident Collocators are ready to take possession.
- (k) SBC-AMERITECH shall provide positive confirmation to AT&T, as the Primary Collocator, when construction of the shared Collocated space fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date.
- (l) At AT&T's, as the Primary Collocator's, request, SBC-AMERITECH shall provide, within three (3) months after receiving the Initial COBO Payment, equipment node enclosures at a height of eight (8) feet, without ceiling. Where SBC-AMERITECH cannot feasibly provide these equipment node enclosures within such three (3) month period, SBC-AMERITECH shall notify AT&T of this fact within ten (10) Business Days from the receipt of AT&T's request. The Parties shall then negotiate a reasonable time frame.
- (m) After completion of construction, AT&T, as the Primary Collocator, and SBC-AMERITECH will complete an acceptance walkthrough of all shared Collocated space requested from SBC-AMERITECH.

Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from the original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T, as Primary Collocator.

- (n) SBC-AMERITECH shall provide Telephone Equipment detailed drawings depicting the exact path, with dimensions, for the AT&T and the sharing CLEC ingress and egress into the shared collocated space within five (5) business days of SBC-AMERITECH's notice that shared collocation space is available. Such path and any areas around it in which AT&T must work to perform installation shall be free of friable asbestos, lead paint (unless encapsulated), radon, and other health or safety hazards.

12.15.5 Virtual Collocation.

- (a) If AT&T requests Virtual Collocation, or if requested Physical Collocation space is not available at a Premises and AT&T elects Virtual Collocation, and such Virtual Collocation is available at the time of AT&T's request, SBC-AMERITECH shall include in its notice to AT&T described in **Section 12.15.1**: (i) the space to be provided, and (ii) whether SBC-AMERITECH can deliver the space to AT&T by the date set forth in **Section 12.15.5(c)**.
- (b) SBC-AMERITECH and AT&T will have an initial walkthrough of the Collocated space to be provided to AT&T for Virtual Collocation on the earlier of: (i) ten (10) Business Days of SBC-AMERITECH's verification of the Virtual Collocation space to be provided to AT&T, and (ii) fourteen (14) calendar days after SBC-AMERITECH's receipt of AT&T's request for Virtual Collocation. SBC-AMERITECH shall within ten (10) Business Days after such walkthrough provide AT&T with: (i) documentation submitted to and received from contractors for any work being done on behalf of AT&T that will be billed as extraordinary expenses, and (ii) a parallel installation sequence.
- (c) SBC-AMERITECH shall deliver to AT&T the requested space on or before the later of: (i) twelve (12) weeks from SBC-AMERITECH's receipt of AT&T's request for Virtual Collocation, and (ii) such other reasonable date that the Parties may agree upon if it is not feasible for SBC-AMERITECH to deliver to AT&T such space within twelve (12) weeks (such date of delivery referred to as the "Delivery Date") and

SBC-AMERITECH notified AT&T of this fact within ten (10) Business Days from SBC-AMERITECH's receipt of AT&T's request.

- (d) Virtual Collocation space ordered by AT&T will be made available to AT&T by SBC-AMERITECH, as more fully described in **Schedules 12.12** and **12.15**.
- (e) SBC-AMERITECH shall provide positive confirmation to AT&T when construction of AT&T-Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and the Delivery Date. The Implementation Plan will include a process for determining when construction is fifty percent (50%) complete.
- (f) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of all collocated space requested from SBC-AMERITECH. Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from the original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T.
- (g) SBC-AMERITECH shall install cross-connects when cross-connecting for connect purposes as directed by AT&T at the rates provided in the **Pricing Schedule**.
- (h) AT&T shall have the option to maintain virtually collocated equipment established under the previous Interconnection Agreement between the parties or have SBC-AMERITECH maintain that Virtually Collocated equipment on AT&T's behalf. For new virtual collocations established hereunder, SBC will maintain the Virtually Collocated equipment on AT&T's behalf.

12.16 Pricing. The prices charged to AT&T for Collocation are set forth in the **Pricing Schedule**.

12.17 Billing. SBC-AMERITECH shall bill AT&T for Collocation pursuant to the requirements of **Article XXVII** to this Agreement.

12.18 Common Requirements. The requirements set forth in **Schedule 12.15** shall be applicable to both Physical and Virtual Collocation.

12.19 Additional Requirements. The additional requirements set forth in **Schedule 12.16** shall be applicable to Physical Collocation.

12.20 Protection of Service and Property.

12.20.1 Both Parties shall exercise reasonable care to prevent harm or damage to the other Party, its employees, agents or Customers, or their property. Both Parties, their employees, agents, and representatives agree to take reasonable and prudent steps to ensure the adequate protection of the other Party's property and services, including:

12.20.2 SBC-AMERITECH and AT&T shall restrict access to AT&T equipment, support equipment, systems, tools and data, or spaces which contain or house AT&T equipment enclosures, to AT&T employees and other authorized non-AT&T personnel to the extent necessary to perform their specific job function.

12.20.3 AT&T shall comply at all times with security and safety procedures and existing requirements that are defined written policies and being used by SBC-AMERITECH for its employees and contractors. These procedures will be communicated to AT&T.

12.20.4 SBC-AMERITECH shall allow AT&T to inspect or observe spaces which house or contain AT&T equipment or equipment enclosures that are physically collocated on SBC-AMERITECH premises 24 hours a day 7 days a week. SBC-AMERITECH will furnish AT&T with keys, entry codes, lock combinations, and other materials or information which may be needed to gain access to any Physically Collocated AT&T equipment within the secured SBC-AMERITECH facility. SBC-AMERITECH shall allow AT&T reasonable periodic inspection or observation spaces where AT&T has its equipment virtually collocated subject to **Section 12.17.2** and **Article XX** and, in the case of Virtual Collocation, payment by AT&T of the cost of SBC-AMERITECH escorts.

12.20.5 For Physical Collocation, SBC-AMERITECH shall furnish to AT&T a current written list of SBC-AMERITECH's employees who SBC-AMERITECH authorizes to enter AT&T's Physical Collocation space, with samples of the identifying credential to be carried by such persons.

12.20.6 SBC-AMERITECH shall secure external access to the Physical Collocation space on its Premises in the same or equivalent manner that SBC-AMERITECH secures external access to spaces that house SBC-AMERITECH's equipment.

12.20.7 For Physical Collocation, SBC-AMERITECH shall limit the keys used in its keying systems for AT&T's specific Physical Collocation space which contain or house AT&T equipment or equipment enclosures to its employees and representatives to emergency access only. AT&T shall further have the right, at its expense, to have locks changed where deemed necessary for the protection and security of such spaces, provided that AT&T shall immediately provide SBC-AMERITECH with such new keys.

12.20.8 SBC-AMERITECH shall use its existing back-up and recovery plan in accordance with its standard policies for the specific Central Office.

12.21 Standards of Performance. SBC-AMERITECH shall provide Collocation to AT&T in accordance with the service levels, procedures and intervals, if any, as provided in Article XXXII (Performance Measurements)

ARTICLE XIII
NUMBER PORTABILITY -- SECTION 251(b)(2)

13.0 Number Portability – Section 251(b)(2).

13.1 Provision of Local Number Portability. Each Party shall provide to the other Party Local Number Portability in accordance with the requirements of the Act and FCC orders. To the extent technically feasible, Local Number Portability will be provided by each Party with no impairment of functionality, quality, reliability and convenience to subscribers of the other Party's services.

13.2 Permanent Number Portability ("LRN-PNP").

13.2.1 SBC-AMERITECH and AT&T shall work to implement the LRN-PNP solution in accordance with the relevant FCC rulings, and NANC (North American Numbering Council) guidelines specified in **Section 13.4.1**.

13.2.2 SBC-AMERITECH and AT&T shall implement number portability in an end office upon the written request of the other Party in accordance with FCC timelines.

13.3 Permanent Number Portability - Unconditional Triggering. Each party shall support unconditional triggering technology (ten-digit triggering) throughout its network, to the extent technically feasible, to support LRN-PNP.

13.4 Requirements for LRN-PNP.

13.4.1 The parties shall adhere to the generic requirements for LRN-PNP as specified in the following NANC guidelines.

13.4.1.1 ATIS TRQ No.1, Technical Requirements for Number Portability - Operator Services Switching Systems, April 1999

13.4.1.2 ATIS TRQ No.2, Technical Requirements for Number Portability - Database and Global Title Translation, April 1999

13.4.1.3 ATIS TRQ No.3, Technical Requirements for Number Portability - Switching Systems, April 1999

13.4.1.4 FCC First Report and Order Further Notice of Proposed Rulemaking; FCC 96-286; CC Docket 95-116, RM 8535; Adopted: June 27, 1996; Released: July 2, 1996;

13.4.1.5 FCC First Memorandum Opinion and Order On

Reconsideration; FCC 97-74, CC Docket No. 95-116, RM-8535; Adopted: March 6, 1997; Released: March 11, 1997;

13.4.1.6 FCC Second Report and Order, FCC 97-298, CC Docket No. 95-116, RM 8535, Adopted August 14, 1997, Released August 18, 1997; and

13.4.1.7 North American Number Council Report from the LRN-PNP Administration Selection Working Group, April 25, 1997.

13.4.2 LRN-PNP will employ an "N-1" Query Methodology.

13.4.2.1 The "N" carrier is the responsible Party for terminating the call to the End User. The "N-1" carrier has the responsibility to determine if a query is required, to launch the query, and to route the call to the switch or network in which the telephone number resides.

13.4.2.2 For interLATA or intraLATA toll calls, the toll carrier (pre-subscribed or carrier code dialed) is the "N-1" carrier. The originating carrier will pass the call to the appropriate toll carrier either directly or through an access tandem office. Where one carrier is the originating local service provider ("**LSP**") and the other is the designated toll carrier, the originating LSP will not query toll calls delivered to the toll carrier or charge the toll carrier for such queries.

13.4.2.3 For local/intraLATA calls (other than pre subscribed or carrier code dialed calls) to a ported number, the originating carrier is the "N-1" carrier. It will perform an external database query and pass the call to the appropriate terminating carrier.

13.4.3 For local/intraLATA calls (other than pre-subscribed or carrier code dialed calls) to an NXX in which at least one number has been ported via LRN-PNP, the Party that owns the originating switch shall query an LRN-PNP database as soon as the call reaches the first LRN-PNP-capable switch in the call path. The Party that owns the originating switch shall query on a local call to an NXX in which at least one number has been ported via LRN-PNP prior to any attempts to route the call to any other switch. Prior to the first number in an NXX being ported via LRN-PNP, SBC-AMERITECH may query all calls directed to that NXX, subject to the billing provisions of **Article XXVII**, and provided that SBC-AMERITECH's queries shall not adversely affect the quality of service to AT&T's customers or end-users as compared to the service SBC-AMERITECH provides its own customers and end-users.

13.4.4 A Party shall be charged for an LRN-PNP query by the other Party only if the Party to be charged is the N-1 carrier and it was obligated to perform the LRN-PNP query but failed to do so. Parties are not obligated to perform the LNP-PNP query prior to the first port in an NXX.

13.4.4.1 If either party is the "N-1" carrier and the other party is the "N" carrier, and the party does not fulfill its N-1 carrier responsibility, the other party will perform queries on calls to telephone numbers with portable NXXs received from the N-1 carrier and route the call to the switch or network in which the telephone number resides.

13.4.5 On calls originating from a Party's network, the Party will populate, if technically feasible, the Jurisdiction Information Parameter (JIP) with the first six digits of the originating LRN in the Initial Address Message.

13.5 Ordering.

13.5.1 Porting of numbers with LRN-PNP will be initiated via Local Service Requests ("**LSR**") in accordance with the OSS Section.

13.5.2 The carrier from which a telephone number is porting from shall be able to meet the NANC porting interval for all customers. The ported to carrier may request a due date of greater than the NANC porting interval for a specific customer.

13.5.3 The parties may use a project management approach for the implementation of LSRs for large quantities of ported numbers or for complex porting processes, provided that project LNP orders greater than 30 lines shall be subject to a negotiated due date.

13.5.4 SBC-AMERITECH shall provide all provisioning services to AT&T during the same business hours SBC-AMERITECH provisions similar services for its end user customers, but at a minimum Monday-Friday, 8:00 a.m. to 5:00 p.m. SBC-AMERITECH will provision non-coordinated standalone number portability-only cut-overs on Saturdays, 8:00 a.m. to 5:00 p.m. and on Sundays from 8:00 a.m. to 5:00 p.m., except during hours on Sundays when the Regional Service Management System ("**RSMS**") is unavailable due to update or maintenance activity. Where ten-digit triggering is available, AT&T will be able to port numbers at any time, as long as the triggers are set, except on Sundays when number portability databases are not available. Provisioning of non-coordinated standalone number portability cut-overs on Sundays is subject to AT&T obtaining industry agreement that all carriers will conduct their Local Service Management Systems ("**LSMS**") update or maintenance activity on Sundays during the same maintenance window as the RSMS. Recurring charges for Sunday provisioning of non-coordinated standalone number portability cut-overs will be developed via the BFR Process, and will be set forth in the **Pricing Schedule**. AT&T agrees to reimburse SBC-AMERITECH for reasonable costs incurred in developing the capability for Sunday provisioning of non-coordinated standalone LNP cut-overs, as provided in the applicable Bona Fide Request process. Such charges shall be paid, and reimbursed when applicable, as provided in the Bona Fide Request process. If AT&T requests that SBC-AMERITECH perform provisioning services or complete service requests at times or on days other than as required in the preceding sentences, SBC-AMERITECH shall provide such services at the rates, if any, will be developed via the BFR Process, and will be set

forth in the **Pricing Schedule**.

13.6 Cut-Over Process.

13.6.1 SBC-AMERITECH and AT&T shall cooperate in the process of porting numbers from one carrier to another so as to limit service outage for the ported subscriber. Both Parties shall endeavor to update its LNP database from the NPAC SMS data within fifteen (15) minutes of receipt of a download from the NPAC SMS.

13.6.2 At the time of porting a number via LRN from either party, each party shall insure that the LIDB entry for that number is de-provisioned if the same LIDB is not being used by the other party.

13.6.3 On coordinated cuts, neither party shall remove the ported number from the end office from which a number is being ported prior to receipt of authorization from the other party, but will remove the number within thirty (30) minutes after authorization. If the unconditional LRN trigger is set, the ported number must be removed at the same time that the unconditional LRN trigger is removed.

13.7 Excluded Numbers. Neither Party shall be required to provide number portability for excluded numbers (e.g., 500 and 900 NPAs, 950 and 976 NXX number services, Official Communications Services (“OCS”) and others as excluded by FCC rulings issued from time to time) under this Agreement.

13.8 Intentionally left blank.

13.9 Operator Services, LIDB/LVAS and Directory Assistance.

13.9.1 The Provisions of this Agreement pertaining to Operator Services, LIDB/LVAS and Directory Assistance shall also apply when LRN-PNP is in place.

13.9.2 If Integrated Services Digital Network User Part (“ISUP”) signaling is used, both parties shall provide, if technically feasible, the Jurisdiction Information Parameter (“JIP”) in the SS7 Initial Address Message (“IAM”). (See ATIS TRQ No. 1, Technical Requirements for Number Portability - Operator Services Switching Systems, April 1999)

13.10 Porting of DID Block Numbers.

13.10.1 SBC-AMERITECH and AT&T shall offer number portability to customers for any portion of an existing DID block without being required to port the entire block of DID numbers.

13.10.2 SBC-AMERITECH shall permit customers who port a portion of DID numbers to retain DID service on the remaining portion of the DID numbers,

provided such is consistent with applicable tariffs.

ARTICLE XIV
DIALING PARITY – SECTIONS 251(b)(3) and 271(e)(2)(B)

14.0 Dialing Parity – Section 251(b)(3) and 271(e)(2)(B).

14.1 Dialing Parity. The Parties shall provide Dialing Parity to each other as required under Section 251(b)(3) of the Act. In addition, SBC-AMERITECH shall meet the requirements under Section 271(e)(2)(A), except as may be limited by Section 271(e)(2)(B) of the Act.

In order to meet its obligations under Section 251(c)(1) of the Act, SBC-AMERITECH shall ensure that all AT&T Customers experience the same dialing parity as similarly-situated customers of SBC-AMERITECH services, such that for all call types: (i) an AT&T customer is not required to dial any greater number of digits than a similarly situated SBC-AMERITECH customer, (ii) the dialing delay, post-dial delay (time elapsed between the last digit dialed and the first network response), call completion rate and transmission quality experienced by an AT&T customer is at least equal in quality to that experienced by a similarly situated SBC-AMERITECH customer, (iii) the AT&T Customer may retain its local telephone number, and (iv) any person seeking to call an AT&T Customer is not required to dial any greater number of digits than a person seeking to call a similarly situated SBC-AMERITECH customer.

ARTICLE XV
DIRECTORY LISTINGS -- SECTION 251(b)(3)

15.0 Directory Listings – Section 251(b)(3)

The parties acknowledge that in the Wisconsin OSS collaborative proceeding, SBC-AMERITECH has agreed to accept all directory listing orders via the SBC-AMERITECH ordering interfaces, thereby eliminating the need for a separate interface with the SBC-AMERITECH Directory Listing subsidiary, no later than September 2001.

The Parties further acknowledge that collaborative proceedings covering the terms and conditions and supporting Operations Support Systems (“OSS”) needed to implement the foregoing agreements are underway or are anticipated to commence. Both AT&T and SBC-AMERITECH and/or SBC-AMERITECH as represented by SBC Communications, Inc. (collectively, “SBC-AMERITECH”) are participants in those proceedings.

Accordingly, AT&T and SBC-AMERITECH stipulate and agree that:

15.1 In collaborative proceedings and/or other proceedings before State Commissions, SBC-AMERITECH and AT&T shall support the development and implementation of single interfaces and/or processes for the inclusion by SBC-AMERITECH of AT&T End User information in White Page directories.

15.2 AT&T and SBC-AMERITECH shall negotiate in good faith contractual terms and conditions fully memorializing the results of such proceedings and/or pursuant to any applicable commitments or settlement that SBC-AMERITECH makes during the course of such proceedings, within thirty (30) days of the conclusion of such proceedings. If the Parties are unable to reach agreement on contractual terms and conditions fully memorializing the results of the proceeding within thirty (30) days of the conclusion of such proceedings, AT&T and SBC-AMERITECH shall address any remaining issues preventing agreement pursuant to the dispute resolution methods set forth in **Section 28.3** of this Agreement.

15.3 As soon as possible following completion of negotiations and/or conclusion of dispute resolution proceedings, AT&T and SBC-AMERITECH shall take steps necessary to amend the interconnection agreement by adding to this article the contractual terms and conditions agreed to by the parties and/or resulting from the dispute resolution process.

ARTICLE XVI
ACCESS TO POLES, DUCTS, CONDUITS AND
RIGHTS-OF-WAY -- SECTIONS 251(b)(4) AND 224 of The Act

16.0 Access to Poles, Ducts, Conduits and Rights-of-Way.

16.1 Structure Availability.

16.1.1 SBC-AMERITECH shall make available, to the extent it may lawfully do so, access to poles, ducts, conduits and Rights-of-way (individually and collectively, “**Structure**”) owned or controlled by SBC-AMERITECH, to which SBC-AMERITECH has access and rights for the placement of AT&T's telecommunications equipment and related facilities (“**Attachments**”). “Poles, ducts and conduits” include entrance facilities and conduit and riser space; controlled environmental vaults; manholes; telephone equipment closets; remote terminals; cross-connect cabinets, panels or boxes; equipment cabinets, pedestals, or terminals; and any other infrastructure used by SBC-AMERITECH to place telecommunications distribution facilities. “Rights-of-way” are easements, licenses or any other right, whether based upon grant, reservation, contract, law or otherwise, to use property if the property is used for distribution facilities.

The availability of SBC-AMERITECH Structure for AT&T's Attachments is subject to and dependent upon all rights, privileges, franchises or authorities granted by governmental entities with jurisdiction, existing and future agreements with other persons not inconsistent with **Section 16.18**, all interests in property granted by persons or entities public or private, and Applicable Law, and all terms, conditions and limitations of any or all of the foregoing, by which SBC-AMERITECH owns or controls Structure or interests therein. SBC-AMERITECH shall not prevent or delay any third party assignment of right-of-way to AT&T. Upon request, SBC-AMERITECH shall provide to AT&T, for review, any franchise, license, or other agreement SBC-AMERITECH has entered into with a municipality, utility, or other owner or interest holder of a right-of-way.

16.1.2 SBC-AMERITECH will not make Structure available: (1) where, after taking all reasonable steps to accommodate such request, there is Insufficient Capacity to accommodate the requested Attachment, and (2) an Attachment cannot be accommodated based upon nondiscriminatorily applied considerations of safety, reliability or engineering principles. For purposes of this **Article XVI**, “Insufficient Capacity” means the lack of existing available space on or in Structure and the inability to create the necessary space by taking all reasonable steps to do so. Before denying a request for access based upon Insufficient Capacity, SBC-AMERITECH will, in good faith, explore potential accommodations with AT&T. If SBC-AMERITECH denies a request by AT&T for access to its Structure for Insufficient Capacity, safety, reliability or engineering reasons, SBC-AMERITECH will provide AT&T a detailed, written reason for such denial as soon as practicable but, in any event, within forty-five (45) days of the date of such request.

16.1.2.1 In the case of pole attachments, SBC-AMERITECH shall, consistent with prudent engineering and design standards and practices and subject to all applicable laws, ordinances, rules and regulations, take reasonable steps to make space available for AT&T's use without replacement of the pole whenever possible.

16.2 Franchises, Permits and Consents. AT&T shall be solely responsible to secure any necessary franchises, permits or consents from federal, state, county or municipal authorities and from the owners of private property, to construct and operate its Attachments at the location of the SBC-AMERITECH Structure it uses. AT&T shall indemnify SBC-AMERITECH against loss directly resulting from any actual lack of AT&T's lawful authority to occupy such Rights-of-way and construct its Attachments therein.

16.3 Access and Modifications. Where necessary to accommodate a request for access of AT&T, and provided SBC-AMERITECH has not denied access as described in **Section 16.1.2**, or because SBC-AMERITECH may not lawfully make the Structure available, SBC-AMERITECH will, as set forth below, modify its Structure in order to accommodate the Attachments of AT&T. SBC-AMERITECH may permit AT&T to conduct Field Survey Work and Make Ready Work itself or through its own contractors in circumstances where SBC-AMERITECH is unable to complete such work in a reasonable time frame. For purposes of this Agreement, a "modification" shall mean any action that either adds future capacity to, or increases the existing capacity of, a given facility. By way of example, adding a bracket to a pole that is immediately utilized does not qualify as a "modification", while adding taller poles, adding new ducts between existing manholes and rebuilding manholes, and adding innerduct to an existing duct to accommodate additional cables would qualify as a "modification".

16.3.1 Before commencing the work necessary to provide such additional capacity, SBC-AMERITECH will notify, pursuant to **Appendix to Article XVI**, all other parties having Attachments on or in the Structure of the proposed modification to the Structure. The modification to accommodate AT&T, may at SBC-AMERITECH's option, include modifications required to accommodate other attaching parties, including SBC-AMERITECH, that desire to modify their Attachments at the expense of such other attaching parties.

16.3.2 If AT&T requests access to an SBC-AMERITECH Right-of-way where SBC-AMERITECH has no existing Structure, SBC-AMERITECH shall not be required to construct new poles, conduits or ducts, or to bury cable for AT&T but will be required to make the Right-of-way available to AT&T to construct its own poles, conduits or ducts or to bury its own cable; provided, however, if SBC-AMERITECH desires to extend its own Attachments, SBC-AMERITECH will construct Structure to accommodate AT&T's Attachments.

16.3.3 The costs of modifying a Structure to accommodate AT&T's request, the requests of another attaching party or the needs of SBC-AMERITECH shall be borne by AT&T, the other requesting party or SBC-AMERITECH, respectively, except that if other

parties obtain access to the Structure as a result of the modification, such parties shall share in the cost of modification proportionately with the party initiating the modification. An attaching party, including SBC-AMERITECH, with a pre-existing Attachment to the Structure to be modified to accommodate AT&T shall be deemed to directly benefit from the modification if, after receiving notification of the modification, it adds to or modifies its Attachment. If a party, including SBC-AMERITECH, uses the modification to bring its Structure or Attachments into compliance with applicable safety or other requirements, it shall be considered as sharing in the modification and shall share the costs of the modification attributable to its upgrade. Notwithstanding the foregoing, an attaching party or SBC-AMERITECH with a pre-existing Attachment to the Structure shall not be required to bear any of the costs of rearranging or replacing its Attachment if such rearrangement or replacement is necessitated solely as a result of an additional Attachment or the modification of an existing Attachment sought by another attaching party. If an attaching party, including SBC-AMERITECH, makes an Attachment to the facility after the completion of the modification, such party shall share proportionately in the cost of the modification if such modification rendered the added attachment possible.

16.3.4 All modifications to SBC-AMERITECH's Structure will be owned by SBC-AMERITECH. AT&T and other parties, including SBC-AMERITECH, who contributed to the cost of a modification, may recover their proportionate share of the depreciated value of such modifications from parties subsequently seeking Attachment to the modified structure.

16.3.5 When a party, including SBC-AMERITECH, subsequently seeks Attachment to modified Structure, SBC-AMERITECH will notify in writing AT&T and any other parties who initially contributed to the cost of modification.

16.4 Installation and Maintenance Responsibility. AT&T shall, at its own expense, install and maintain its Attachments in a safe condition and in thorough repair so as not to conflict with the use of the Structure by SBC-AMERITECH or by other attaching parties. Work performed by AT&T on, in or about SBC-AMERITECH's Structures shall be performed by properly trained, competent workmen skilled in the trade. SBC-AMERITECH will specify the location on the Structure where AT&T's Attachment shall be placed, which location shall be in accordance with the National Electrical Safety Code Standards and designated in a nondiscriminatory manner. AT&T shall construct each Attachment in conformance with the permit issued by SBC-AMERITECH for such Attachment. Other than routine maintenance and service wire Attachments, AT&T shall not modify, supplement or rearrange any Attachment without first obtaining a permit therefore. AT&T shall provide SBC-AMERITECH with notice before entering any Structure for construction or maintenance purposes.

16.5 Installation and Maintenance Standards. AT&T's Attachments shall be installed and maintained in accordance with the rules, requirements and specifications of the National Electrical Code, National Electrical Safety Code, Bellcore Construction Practices, the Commission, the Occupational Safety & Health Act and the valid and lawful rules,

requirements and specifications of any other governing authority having jurisdiction over the subject matter.

16.6 Access Requests. Any request by AT&T for access to SBC-AMERITECH's Structure shall be in writing and submitted to SBC-AMERITECH's Structure Access Coordinator. SBC-AMERITECH may prescribe a reasonable process for orderly administration of such requests. AT&T's Attachment to SBC-AMERITECH's Structure shall be pursuant to a permit issued by SBC-AMERITECH for each request for access. The Structure Access Coordinator shall be responsible for processing requests for access to SBC-AMERITECH's Structure, administration of the process of delivery of access to SBC-AMERITECH's Structure and for all other matters relating to access to SBC-AMERITECH's Structure. AT&T shall provide SBC-AMERITECH with notice before entering any SBC-AMERITECH Structure, pursuant to the provisions of the **Appendix to Article XVI**.

16.7 Unused Space. Excepting maintenance ducts as provided in **Section 16.8** and ducts required to be reserved for use by municipalities, all useable but unused space on Structure owned or controlled by SBC-AMERITECH shall be available for the Attachments of AT&T, SBC-AMERITECH or other providers of Telecommunications Services or cable television systems. AT&T may not reserve space on SBC-AMERITECH Structure for its future needs. SBC-AMERITECH shall not reserve space on SBC-AMERITECH Structure for the future need of SBC-AMERITECH nor permit any other person to reserve such space. Notwithstanding the foregoing, AT&T may provide SBC-AMERITECH with a two (2)-year rolling forecast of its growth requirements for Structure that will be reviewed jointly on an annual basis.

16.8 Maintenance Ducts. One duct and one inner-duct in each conduit section shall be kept vacant as maintenance ducts. If not currently available and additional ducts are added, maintenance ducts will be established as part of the modification. Maintenance ducts shall be made available to AT&T for maintenance purposes if it has a corresponding Attachment.

16.9 Applicability. The provisions of this Agreement shall apply to all SBC-AMERITECH Structure now occupied by AT&T except for structures covered in the provisions of AT&T - SBC-AMERITECH Easement or Condominium Agreements listed in **Schedule 16.10**.

16.10 Other Arrangements. AT&T's use of SBC-AMERITECH Structure is subject to any valid, lawful and nondiscriminatory arrangements SBC-AMERITECH may now or hereafter have with others pertaining to the Structure.

16.11 Cost of Certain Modifications. If SBC-AMERITECH is required by a governmental entity, court or Commission or property owner (provided such property owner has authority to require such modifications or AT&T agrees to such modifications) to move, replace or change the location, alignment or grade of its conduits or poles, each Party shall

bear its own expenses of relocating its own equipment and facilities. However, if such alteration is required solely due to SBC-AMERITECH's negligence in originally installing the structure, SBC-AMERITECH shall be responsible for AT&T's expenses. If a move of AT&T's Attachment is required by SBC-AMERITECH or another attaching party, SBC-AMERITECH shall notify AT&T of the requested move, and AT&T shall either confirm in writing that it will move the Attachment within thirty (30) days of the date of SBC-AMERITECH's notice of the requested move, or notify SBC-AMERITECH that it desires SBC-AMERITECH to arrange for the move, both options to be at the expense of the party requesting such move. The written notice shall include sufficient engineering information to enable AT&T to move the Attachment or respond to the notice. If AT&T fails to notify SBC-AMERITECH within ten (10) days after the date of SBC-AMERITECH's notice of the requested move of its intention to move the Attachment or to allow SBC-AMERITECH to arrange for the move, AT&T will be deemed to have authorized SBC-AMERITECH to move such Attachment at AT&T's expense.

16.12 Maps and Records. SBC-AMERITECH will provide AT&T, at AT&T's request and expense, with access to and copies of maps, records and additional information relating to its Structure. Upon request, SBC-AMERITECH will meet with AT&T to clarify matters relating to maps, records or additional information. SBC-AMERITECH does not warrant the accuracy or completeness of information on any maps or records.

16.13 AT&T Access. AT&T shall provide SBC-AMERITECH with notice before entering any SBC-AMERITECH Structure.

16.14 Occupancy Permit. AT&T occupancy of Structure shall be pursuant to a permit issued by SBC-AMERITECH for each requested Attachment. Any such permit shall terminate: (a) if AT&T's franchise, consent or other authorization from federal, state, county or municipal entities or private property owners is terminated, (b) if AT&T has not placed and put into service its Attachments within one hundred and eighty (180) days from the date SBC-AMERITECH has notified AT&T that such Structure is available for AT&T's Attachments, (c) if AT&T ceases to use such Attachment for any period of one hundred eighty (180) consecutive days, (d) if AT&T fails to comply with a material term or condition of this Article XVI and does not correct such noncompliance within sixty (60) days after receipt of notice thereof from SBC-AMERITECH or, (e) if SBC-AMERITECH ceases to have the right or authority to maintain its Structure, or any part thereof, to which AT&T has Attachments. If SBC-AMERITECH ceases to have the right or authority to maintain its Structure, or any part thereof, to which AT&T has Attachments, SBC-AMERITECH shall: (i) provide AT&T notice within ten (10) Business Days after SBC-AMERITECH has knowledge of such fact, and (ii) not require AT&T to remove its Attachments from such Structure prior to SBC-AMERITECH's removal of its own attachments. SBC-AMERITECH will provide AT&T with at least sixty (60) days' written notice prior to: (x) terminating a permit or service to an AT&T Attachment or removal thereof for a breach of the provisions of this Article XVI, (y) any increase in the rates for, Attachments to SBC-AMERITECH's Structure permitted by the terms of this Agreement, or (z) any modification to SBC-AMERITECH's Structure to which AT&T has an Attachment, other than a modification associated with routine maintenance or

as a result of an emergency. If AT&T surrenders its permit for any reason (including forfeiture under the terms of this Agreement), but fails to remove its Attachments from the Structure within one hundred and eighty (180) days after the event requiring AT&T to so surrender such permit, SBC-AMERITECH shall remove AT&T's Attachments at AT&T's expense. If SBC-AMERITECH discovers that AT&T has placed an Attachment on SBC-AMERITECH's Structure without a valid permit, SBC-AMERITECH shall notify AT&T in writing of the existence of such unauthorized Attachment and AT&T shall pay to SBC-AMERITECH within ten (10) Business Days after receipt of such notice an unauthorized Attachment fee equal to five (5) times the annual attachment fee for an authorized Attachment.

Within the foregoing period, AT&T shall also apply for an Occupancy Permit for the unauthorized Attachment.

In addition, AT&T shall go through the process of any Make Ready Work that may be required for the unauthorized Attachment.

If AT&T fails to pay the unauthorized Attachment fee or apply for the required Occupancy Permit within the foregoing period, SBC-AMERITECH shall have the right to remove such unauthorized Attachment from SBC-AMERITECH's Structure at AT&T's expense.

16.15 Inspections. SBC-AMERITECH may make periodic inspections of any part of the Attachments of AT&T located on SBC-AMERITECH Structures. Where reasonably practicable to do so, SBC-AMERITECH shall provide prior written notice to AT&T of such inspections. AT&T shall reimburse SBC-Ameritech for the costs (as defined in Section 252(d) of the Act) of such inspections where the inspections are made to: (i) ensure that AT&T's Attachments have been constructed in accordance with the applicable permit and do not violate any other attaching party's rights on the Structure, or (ii) ensure that AT&T's Attachments are subject to a valid permit and conform to all applicable standards as set forth in **Section 16.5**. Except in cases involving safety, damage to Attachments or reported violations of the terms of this Agreement, such inspections shall not be made more often than once every five (5) years.

16.16 Damage to Attachments. Both AT&T and SBC-AMERITECH will exercise precautions to avoid damaging the Attachments of the other or to any SBC-AMERITECH Structure to which AT&T obtains access hereunder. Subject to the limitations in **Article XXVI**, the Party damaging the Attachments of the other shall be responsible to the other therefor.

16.17 Charges and Billing. SBC-AMERITECH's charges for Structure provided hereunder shall be determined in compliance with the regulations to be established by the FCC pursuant to Section 224 of the Act. Prior to the establishment of such rates, SBC-AMERITECH's charges for Structure will be those of the lowest existing contract available to an attaching party in the State of Ohio, including any Affiliate of SBC-AMERITECH. Full Payment in advance shall be required for map preparation, make-ready surveys and Make-

Ready Work. Billing by SBC-AMERITECH for charges pursuant to this Article shall include detail sufficient to allow a determination of accuracy, including but not limited to identification of the structure or work associated with each charge. SBC-AMERITECH reserves the right to adjust the charges for Structure provided hereunder consistent with the foregoing. Notwithstanding the foregoing, SBC-AMERITECH reserves the right to price on a case-by-case basis any Extraordinary Attachment to Structure. An "Extraordinary Attachment" is an attachment to a pole that occupies more than one (1) foot of space on the pole in addition to the primary cable or anything other than a standard, sealed splice enclosure in a manhole.

16.18 Nondiscrimination. Access to SBC-AMERITECH-owned or -controlled Structure shall be provided to AT&T on a basis that is nondiscriminatory to that which SBC-AMERITECH provides to itself, its Affiliates, Customers, or any other person.

16.19 Interconnection.

16.19.1 Upon request by AT&T, SBC-AMERITECH will permit the interconnection of ducts or conduits owned by AT&T in SBC-AMERITECH manholes. However, such interconnection in SBC-AMERITECH manholes will not be required where modification of SBC-AMERITECH's Structure to accommodate AT&T's request for interconnection is possible at a reasonable cost.

16.19.2 Except where required herein, requests by AT&T for interconnection of AT&T's Attachments in or on SBC-AMERITECH Structure with the Attachments of other attaching parties in or on SBC-AMERITECH Structure will be considered on a case-by-case basis and permitted or denied based on the applicable standards set forth in this **Article XVI** for and reasons of insufficient Capacity, safety, reliability and engineering. SBC-AMERITECH will provide a written response to AT&T's request within forty-five (45) days of SBC-AMERITECH's receipt of such request.

16.9.3 AT&T shall be responsible for the costs of any Make-Ready Work required to accommodate any interconnection pursuant to **Section 16.19**.

16.20 Cost Imputation. SBC-AMERITECH will impute costs consistent with the rules under Section 224(g) of the Act.

16.21 Structure Access Coordinator. Requests for access to SBC-AMERITECH Structure shall be made through SBC-AMERITECH's Structure Access Coordinator, who shall be AT&T's single point of contact for all matters relating to AT&T's access to SBC-AMERITECH's Structure. The Structure Access Coordinator shall be responsible for processing requests for access to SBC-AMERITECH's Structure, administration of the process of delivery of access to SBC-AMERITECH's Structure and for all other matters relating to access to SBC-AMERITECH's Structure pursuant to guidelines as provided in the Appendix to Article XVI. In the event of a conflict between the provisions of Article XVI and those of the Appendix to Article XVI, the provisions of Article XVI shall prevail.

16.22 State Regulation. The terms and conditions in this Article XVI shall be modified through negotiation between the Parties to comply with the regulations of the state in which SBC-AMERITECH owns or controls Structure to which AT&T seeks access if such state meets the requirements of Section 224(c) of the Act for regulating rates, terms and conditions for pole attachments and so certifies to the FCC under Section 224(c) of the Act and the applicable FCC rules pertaining hereto. Until the terms and conditions of this Article XVI are renegotiated, the rules, regulations and orders of such state so certifying shall supersede any provision herein inconsistent therewith.

16.23 Abandonments, Sales or Dispositions. SBC-AMERITECH shall notify AT&T of the proposed abandonment, sale, or other intended disposition of any Structure. In the event of a sale or other disposition of the conduit system or pole, SBC-AMERITECH shall condition the sale or other disposition subject to the rights granted to AT&T.

16.24 Standards of Performance. SBC-AMERITECH shall provide Structure to AT&T in accordance with Article XXXII herein, as applicable.

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This section contains guidelines which further define the processes by which AT&T will obtain access to poles, ducts, conduits, and rights of way (individually and collectively referred to as “Structure”) as agreed to in Article XVI of the *Interconnection Agreement*.

Except as otherwise permitted by applicable law, access to all Ameritech-owned or Ameritech-controlled Structure shall be provided to AT&T on a basis that is nondiscriminatory to that which Ameritech provides to itself, its Affiliates, Customers, or any other person.

Plan-for-Plan/Issue-in-Dispute Summary

Note that all Plan-for-Plan and Issue-in-Dispute information is summarized here in the section overview for the reader’s convenience. These descriptions are also referenced whenever a particular Plan for a Plan or Issue in Dispute is referred to later in this section.

Plan-for-Plan Descriptions

The following items addressed in this section require a Plan for a Plan at the time of printing this version of this *Implementation Plan*.

Plan-for-Plan 7-1. Performance Standards & Penalties

Owners:	John Fisk - AT&T Gerry Agnew - Ameritech
Objective:	Develop format for reporting performance standards to measure Ameritech’s performance in executing AT&T’s structure requests as agreed to in the <i>Interconnection Agreement</i> . This plan addresses the format of the performance standards reports as well as the development of the appropriate penalties, pursuant to Article 16.6 of the <i>Interconnection Agreement</i> .
Issues:	Time Frame and appropriateness of penalties for each standard
Dependencies:	Scope, Related Orders, Intervals
Constraints:	
Time Frame:	2/28/98

Plan-for-Plan 7-2. Comparable Treatment

Owners:	John Fisk - AT&T Gerry Agnew - Ameritech
Objective:	To define a process that will allow AT&T to verify that it is obtaining access to Structure in a nondiscriminatory manner as all other parties including Ameritech pursuant to Article 16.6 of the <i>Interconnection Agreement</i> .
Issues:	Reach agreement on what information is required and how it will be presented to AT&T to meet the above objective.
Dependencies:	None
Constraints:	Future mechanization of processes by multiple parties
Time Frame:	2/28/98

Issue-in-Dispute Description

Issue-in-Dispute 7-1. Modification Cost Recovery

Owners:	John Fisk - AT&T Gerry Agnew - Ameritech
Issues:	Objective: To establish means to recover costs of modifications to Ameritech's structure. Article 16.3.4 states that the Implementation Team should develop the process to recover the costs for any modifications. AT&T and Ameritech cannot agree on the role each company would take in that recovery process. Per Article 16.3.4, Ameritech owns all modifications to Ameritech's structure. (This issue includes Modification Cost Recovery process for unauthorized attachments and maintenance spare) Need a process to identify, by section, the appropriate cost to be reimbursed to the company initiating the modification. Need a process of how and when the ASAC will notify AT&T that Ameritech or other 3rd parties are utilizing the modified structure.
Dependencies:	FCC Rules/NPRM on Modification of Structure AT&T and Ameritech will true up any interim procedures established now when the FCC Rules are complete
Constraints:	none

7.1 Role of the Ameritech Structure Access Coordinator

The role of the Ameritech Structure Access Coordinator (ASAC) is to be a single point of contact for AT&T. The ASAC shall:

- (a) provide single point of contact for structure access
- (b) coordinate the queuing requests of attaching parties for access to Ameritech Structure
- (c) answer questions of AT&T pertaining to obtaining access to Structure
- (d) coordinate the following processes for AT&T:
 - (i) access to maps, records and additional information regarding Structure (hereafter referred to as "Structure Records")
 - (ii) field survey to determine availability of Structure
 - (iii) Make Ready Work (which, in some cases, may include Modification Work)
 - (iv) AT&T construction activities
- (e) interpret Ameritech methods and procedures
- (f) receive and process AT&T's application for access to Structure
- (g) negotiate scope and delivery of Field Survey due dates
- (h) negotiate scope and delivery of Make Ready Work due dates
- (i) provide notification of and corrective action to eliminate disputes between attaching parties
- (j) provide AT&T with written documentation of the determinations of Structure availability
- (k) issue occupancy permits to AT&T

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7.1 Role of the Ameritech Structure Access Coordinator

7.2 Role of AT&T

AT&T shall:

- (a) Request access to Ameritech Structure Records from the ASAC.
 - (i) Issue Billing Authorization - Billing Authorization equates to or accompanies a Structure Access Request. For purposes of these Guidelines, Billing Authorization shall be defined as AT&T's paying any required deposit and AT&T's written authorization (on the forms identified in this section) permitting Ameritech to bill AT&T for work identified on these forms. There will be a true up of costs. The true-up process for any structure-related billing items is described in Section 7.14 in this *Implementation Plan*.
- (b) Make written request for access to Ameritech Structure through ASAC-prescribed forms. (See Section 7.20 - Exhibits for Forms.)
- (c) Provide stick map or route map showing locations of the Ameritech Structure requested for access.
- (d) Provide detailed descriptions of the requested location of all proposed attachments to Ameritech Rights of Way.
- (e) Authorize the ASAC to schedule a Field Survey.
 - (i) Issue Billing Authority , as defined herein, for Ameritech to perform Field Survey by AT&T submitting appropriate A-1 form.
 - (ii) Provide innerduct identification tags.
- (f) Approve Ameritech to perform Make Ready Work (in some cases, may include Modification Work).
 - (i) Issue Billing Authorization for Ameritech to perform Make Ready Work.
 - (ii) Provide innerduct identification tags.
- (g) Receive Occupancy Permit from ASAC as provided in Sections 7.6.21, 7.7.20, and 7.8.6 of this *Implementation Plan*.
- (h) Schedule attachment installation (cable placement) with ASAC
- (i) Complete attachment installation within one hundred and eighty (180) days from date Occupancy Permit is received from Ameritech.
- (j) Be solely responsible to secure any necessary franchises, permits or consents from federal, state, county or municipal authorities and from the owners of private property, to construct and operate AT&T's attachments at the location of the Structure AT&T uses.

7.3 Information Request

AT&T may request access to Ameritech Structure Records in one of two ways:

- (a) Request for AT&T to view Ameritech Structure Records
- (b) Request to have Ameritech perform a records check for AT&T

AT&T shall submit the request on form RC-1 with a stick map and/or a description containing sufficient information for Ameritech personnel to determine which records are required. The request must include a deposit on the estimated cost of the viewing room and/or for map preparation and issuance if the request is to view the records. If the request is for Ameritech to perform the records check, the deposit shall be on the estimated costs of the work to perform the records check and appropriate billing authorization will be issued as described in Section 7.2 of this *Implementation Plan*. (See also Section 7.14 on Fees).

7.3.1 Type of Information to be Supplied

Ameritech will provide to AT&T information (with respect to all Structure that Ameritech owns or controls) currently available on Ameritech's Structure Records, which includes (to the extent available) the following:

- (a) location of the structure, street addresses for manholes and poles as shown original had this on Ameritech maps
- (b) footage between manholes or lateral ducts lengths, as shown on Ameritech maps
- (c) footage between poles, if shown on Ameritech maps
- (d) total capacity
- (e) available capacity

7.3.2 Exception Involving Confidential Information

When Ameritech maps and/or records to be viewed contain confidential and/or proprietary information:

- (a) Ameritech will expunge confidential and/or proprietary information before AT&T is provided access to view the documents and/or is issued copies.
- (b) If confidential and/or proprietary information must be expunged before disclosure of Structure Records, the ASAC will provide an estimated cost for map preparation and the date for completion of the map preparation to AT&T. AT&T must pay a deposit to the ASAC based upon the estimated amount of the map preparation costs before map preparation will be initiated. Billing authorization will be issued as described in Section 7.2 of this *Implementation Plan*.

7.3.3 Viewing Room

- (a) Within ten (10) business days after AT&T submits Billing Authorization to the ASAC, the ASAC will notify AT&T of the place and time that AT&T may view the Structure Records.
- (b) If the requested Structure Records do not contain un-expunged confidential and proprietary information, access to the records will be provided within five (5) business days after ASAC notifies AT&T in accordance with paragraph (a), above.
- (c) If the requested Structure Records contain confidential or proprietary information which must be expunged, the time when AT&T will be provided with access will be determined on a case by case basis, based upon size and complexity of the request, and will be identified in the above notice, but such access shall be provided within ten (10) business days after ASAC notifies AT&T, in accordance with paragraph 7.3.3(a) above, unless otherwise mutually agreed to by Ameritech and AT&T.

- (d) The viewing room must be reserved for a minimum of two (2) hours. AT&T may request additional time prior to the viewing date. Ameritech may not be able to provide AT&T with unscheduled additional time for viewing Ameritech's Structure Records on the viewing date.
- (e) Ameritech will make available an Ameritech representative with sufficient knowledge about Ameritech Structure Records to clarify matters relating to such Structure Records and to assist AT&T during their viewing.

7.3.4 Copies of Structure Records

- (a) Copies of Structure Records which do not require preparation in accordance with section 7.3.3 above will be provided within ten (10) business days after AT&T submits Billing Authorization to the ASAC, if AT&T is entitled to copies per the Interconnection Agreement (AT&T is entitled to copies in all states except Illinois).
- (b) If the requested Structure Records contain confidential or proprietary information which must be expunged, the time when AT&T will be provided with copies will be determined on a case by case basis, based upon size and complexity of the request, but such copies shall be provided within twenty (20) business days after AT&T submits its Billing Authorization, in accordance with paragraph 7.3.1 above, unless mutually agreed to by Ameritech and AT&T.
- (c) Structure Records are considered confidential and are subject to the confidentiality requirements of any applicable Interconnection Agreements, tariff, or otherwise.
- (d) AT&T and its designees shall use the Structure Records to design and implement AT&T's network. AT&T shall not sell to, provide to, or permit the use of the Structure Records by a third party.

7.3.5 Limitations of Structure Records Review

The completion of a review of Structure Records does not imply that the ASAC has approved a Structure Occupancy Permit for AT&T.

7.4 Capacity Reservation

7.4.1 Capacity Reservation

No party, including Ameritech, will be allowed to reserve space in or on Ameritech's Structure for future needs. Notwithstanding the foregoing, AT&T may provide Ameritech with a two (2) year rolling forecast of its growth requirements for Structure that will be reviewed jointly on an annual basis.

7.5 Priority Queue

(First in Time - First in Right)

7.5.1 Determination of Priority

The priority for right of access to existing capacity in Ameritech's Structure will be determined by the actual time that AT&T's written Structure Access Request, in accordance with paragraphs 7.6.6, 7.7.4, and 7.8.1 below, is received by the ASAC. Structure Access Requests for all parties including Ameritech will be treated in a non-discriminatory manner.

7.5.2 Maintaining Position in Queue

- (a) Position is based on the date and time stamp on the written Structure Access Request.
- (b) Position remains as long as AT&T continues processing of the request for access, including Field Survey, Make Ready Construction and facilities placement in accordance with the time frames set forth in this Section (7) of the *Implementation Plan*.
- (c) If AT&T does not process its requests for access in accordance with the time frames set forth in these Guidelines, AT&T's request shall be considered expired.
- (d) Any change to a Structure Access Request (as defined in paragraphs 7.6.6, 7.7.4 and 7.8.1 below) will be deemed a new request for purposes of position in the queue, and a new date and time stamp will be affixed to the Request. AT&T will be notified if this occurs.
- (e) If at any time in the processing of a request a conflict arises concerning priority rights, the ASAC will use the written Structure Access Requests with date and time stamps to resolve the issue.

7.6 Access to Ducts and Conduit

“Ducts” and “Conduit” have the meaning assigned to them in the applicable *Interconnection Agreement*.

7.6.1 Information Access - Ducts and Conduit

AT&T will be provided access to review Ameritech Structure Records for ducts and conduit, as defined in Section 7.3.

7.6.2 Determination of Space Availability

The apparent availability of spare capacity indicated by the review of Ameritech Structure Records does not guarantee the actual availability or structural integrity of ducts and conduit. Space availability of Ameritech ducts and conduit is determined during the Field Survey and integrity is determined by the completion of the Ameritech Make Ready work.

7.6.3 Presumption of Request for Innerduct Occupancy

It is presumed that a request for occupancy of conduit is for occupancy of an innerduct. If due to the size of AT&T's cable, a whole duct is required, AT&T's request will be based on a whole duct. A whole duct may not be used for a cable that can be accommodated in an innerduct. If innerduct does not exist in the requested conduit, Ameritech will place innerduct, at AT&T's cost (refer to Make Ready Work/Billing Authorization).

7.6.4 Available Capacity

Unoccupied conduit, duct and/or innerduct space is assumed available for use by an attaching party, excluding the conduit, ducts and/or innerducts reserved for the universal maintenance spare, municipal use, or which are subject to the pending, prior request of another attaching party. With respect to ducts which are apparently vacant and available but cannot be occupied due to blockage, Ameritech will take all reasonable steps to create the necessary space in such blocked ducts, at AT&T's cost (refer to Make Ready Work/Billing Authorization). If AT&T ceases to use Attachments for any period of one hundred and eighty (180) consecutive days, such Attachments are presumed to be usable for attachments of other attaching parties, but require a sixty (60) day notice to the attachment owner before removal.

7.6.5 Universal Maintenance Spare

A universal maintenance spare is one (1) whole spare duct (typically 4”) and one (1) spare innerduct. The universal maintenance spare in each manhole is available to all existing attaching parties (and Ameritech) which have existing working cables in the conduit system, for maintenance purposes. Only one party at any time may occupy the maintenance spare. Any party utilizing the maintenance spare must vacate the maintenance spare within sixty (60) days after placing its facilities in the universal maintenance spare. Access to a Universal Maintenance Spare must be requested through the ASAC and the ASAC must grant access to AT&T within five (5) business days of the request. This section (7.6.5) applies to routine maintenance. For emergency situations, Section 7.12.3, below, applies.

7.6.6 Structure Access Request - Ducts and Conduit

- (a) To request access to ducts and conduit, AT&T shall submit:
 - (i) Forms C1 & C2 (conduit) attached hereto in Section 7-20, Exhibits.

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7.6 Access to Ducts and Conduit

- (ii) Associated maps and/or written descriptions for each request (which shall include the number, type and size of facility AT&T plans to install and if available all the locations at which AT&T proposes to interconnect its ducts with Ameritech manholes and all manhole locations where an entrance or exit to Ameritech's conduit structure will be required).
- (b) The ASAC will enter AT&T's request for access to Ameritech Structure into the Priority Queue. (See Priority Queue Process defined in Section 7.5.)

7.6.7 Field Survey by Ameritech - Ducts and Conduit

- (a) The ASAC will provide to AT&T an estimated cost for the Field Survey. This will be on Form A-1.
- (b) AT&T will pay any required deposit and sign the appropriate form as Billing Authorization to proceed with the Field Survey.
- (c) Ameritech will complete the Field Survey in accordance with intervals as agreed to. See section 7.6.13.
- (d) AT&T may supply a representative.
- (e) Ameritech personnel will notify AT&T within twenty-four (24) hours prior to beginning the Field Survey, if AT&T wishes to have a representative present.

7.6.8 Field Survey assisted by AT&T - Ducts and Conduit

If, after receipt of the Structure Access Request, Ameritech determines it will be unable to complete Field Survey work in accordance with standard intervals as defined in 7.6.13, Ameritech may suggest or AT&T may request that AT&T be allowed to have AT&T or AT&T's contractor perform certain work associated with the Field Survey. The following apply:

- (a) AT&T or its Ameritech approved contractor may prepare manholes for entry (open, test, ventilate, pump, etc.).
- (b) An Ameritech representative will perform the Field Survey work with an AT&T representative, and the Ameritech representative will specify locations of attachments
- (c) All standards and conditions specified in section 7.9 will be followed.
- (d) AT&T will not be allowed to perform any Field Survey work that is required to be performed by Ameritech employees pursuant to Ameritech collective bargaining agreements, work rules and policies.

7.6.9 Field Survey Definition

A Field Survey is a physical check of the locations requested by AT&T to enter, exit, and place equipment in Ameritech ducts and conduit and includes (to the extent available) the following:

- (a) availability of space within existing lateral knockouts,
- (b) availability of space for cable maintenance loops,
- (c) availability of space for splice cases,
- (d) availability of space for cable racking,
- (e) availability of space for manhole core bores,
- (f) availability of actual vacant conduit/innerduct,
- (g) preliminary investigation of potential modifications if no available capacity exists.

7.6.10 Innerduct Identification Tags

AT&T must supply innerduct identification tags to the Ameritech representative onsite or prior to the Field Survey. The identification tags must include:

- (a) AT&T's name and
- (b) a space for the date of the Field Survey.

7.6.11 Preferred Entrances and Exits

The preferred entrances and exits of Ameritech's conduit system for attaching parties is at established openings. These openings are building entrances, points at which cable enters Ameritech's underground conduit facilities, stubbed-off ducts and pre-formed manhole lateral knockouts. If the preferred entrances or exits are not available, entrance to an Ameritech manhole may be created by core boring of the manhole wall, unless such engineered access to the manhole is denied by Ameritech for reasons of Insufficient Capacity, safety, reliability or engineering (as defined in the applicable *Interconnection Agreement*).

7.6.12 Limitations of Field Survey

A Field Survey does not guarantee the integrity of the ducts and conduit to accommodate the requested access. The Field Survey does not authorize AT&T to occupy Ameritech ducts and conduit. Such authorization is granted once the Occupancy Permit has been issued. Intervals will be adjusted due to changes in requests or delays caused by AT&T.

7.6.13 Ducts and Conduit Field Survey Intervals

The standard interval for Field Survey work for Ducts and Conduit that is to be performed by Ameritech is 25 business days for the first 10 manholes and an additional 2 business days for each additional 5 manholes. Intervals will be adjusted due to changes in requests or delays caused by AT&T.

The clock for the standard interval starts when the ASAC receives properly completed (accurate and with all necessary details) Forms C-1 and C-2. The clock stops when the ASAC sends a Form A-1 to AT&T to notify of the estimated Make Ready work.

7.6.14 Denial of Access

Based on the information from Structure Records and the completed Field Survey, the ASAC will determine if the requested access to Ameritech's Structure can be provided to AT&T.

- (a) Ameritech will not make Structure available in the following cases:
 - (i) Where, after taking all reasonable steps to accommodate such request, there is Insufficient Capacity (as defined in the *Interconnection Agreement*) to accommodate the requested Attachment; or,
 - (ii) Where an Attachment cannot be accommodated based upon non-discriminatorily applied consideration of safety, reliability, or engineering principles.
- (b) If the ASAC proposes to deny AT&T access to the requested Ameritech Structure, the ASAC will provide a detailed, written reason for denial within forty-five (45) days of the date of such request pursuant to the applicable *Interconnection Agreement*.
- (c) If additional information is discovered while performing AT&T's Make Ready work which would require the ASAC to deny AT&T access to its Structure, the ASAC will provide to AT&T a detailed, written reason for denial within five (5) business days of discovery.

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7.6 Access to Ducts and Conduit

- (d) If a denial is proposed to be made for any reason, Ameritech will offer to meet with AT&T and explore reasonable alternatives to accommodate the proposed attachment.. The ASAC will schedule the meeting to take place within ten (10) business days of receipt of AT&T's written request for a meeting.

7.6.15 Cost Estimate - Ducts and Conduit

If it is determined from the records and Field Survey that access to ducts and conduit is possible by appropriate Make Ready Work, Ameritech will:

- (a) notify others parties of any proposed modification to ducts and conduit to which they are attached if a notification is required (see 7.15)
- (b) provide to AT&T an estimate of cost for the Make Ready Work (if other attached parties must be notified, the provision of the cost estimate will be delayed for at least the 60 days they have to reply)

7.6.16 Return of Billing Authorization

- (a) AT&T shall return a Billing Authorization to the ASAC to perform the necessary Make Ready Work within forty-five (45) days of receiving the Ameritech estimated cost for the proposed Make Ready Work from the ASAC. If AT&T has not returned the ASAC Billing Authorization to the ASAC within the forty-five (45) days, AT&T's request shall be considered expired. (See Priority Queue Process in Section 7.5)
- (b) The ASAC shall provide AT&T an estimated completion date, as defined in 7.6.20 below, within seven (7) days business days of receiving the Billing Authorization (for both routine and non-routine).
- (c) If Ameritech determines it will be unable to complete Make Ready work in accordance with standard intervals as defined in 7.6.20, Ameritech may suggest or AT&T may request that AT&T be allowed to have AT&T or AT&T's contractor perform certain work associated with Make Ready.

7.6.17 Definition of Ameritech Make Ready Work

Ameritech Make Ready Work, is any construction that is required to be performed by ~~the~~ Ameritech to prepare the Ameritech ducts and conduit for attachment or occupancy by AT&T. The following lists are not necessarily all-inclusive, but are indications of types of Make Ready work.

Routine Make Ready Work

- (a) verifying the integrity of the Ameritech conduit/innerduct (rodding).
- (b) placing innerduct
- (c) tagging innerduct assigned for AT&T use (AT&T to supply innerduct identification tags which must have (i) AT&T name, and (ii) space for a date)
- (d) placing innerduct couplers

Non-routine Make Ready Work

- (e) core boring manhole walls
- (f) repairing or clearing broken or blocked conduit
- (g) constructing additional conduit (includes placing innerduct and tagging)
- (h) rebuilding or replacing manholes

The following applies:

- (a) When AT&T is allowed to perform certain Make Ready work, all standards and conditions specified in section 7.9 will be followed.
- (b) AT&T will not be allowed to perform any Make Ready work that is required to be performed by Ameritech employees pursuant to Ameritech collective bargaining agreements, work rules and policies. If AT&T is denied the ability to perform certain Make Ready Work, Ameritech will address the reason for such denial on a case-by-case basis.

7.6.18 Force Majeure

Ameritech will not be responsible for any Make Ready Work delays due to pull tapes breaking and/or innerduct couplers failing, local conditions, inability to obtain permits or due to Force Majeure as defined in the Interconnection Agreement in Section 30.5.

7.6.19 Limitation on Ameritech Obligations

Ameritech is not required to construct ducts or conduit in locations where these items do not currently exist, in order to provide ducts, or conduit occupancy to AT&T. Upon request by AT&T, Ameritech may consider constructing such duct or conduit extensions. Ameritech is required to make the Ameritech-owned Right-of-Way available to AT&T to construct AT&T poles, conduits or ducts, or to bury AT&T's own cable as required in Section 16.1.1 of the *Interconnection Agreement*. Intervals will be adjusted due to changes in requests or delays caused by AT&T.

7.6.20 Duct and Conduit Make Ready Intervals

Routine Make Ready Work

The standard interval for Routine Make Ready work (as defined in 7.6.16) for Ducts and Conduit that is to be performed by Ameritech is 25 business days for the first 10 manholes and an additional 2 business days for each additional 5 manholes. There will be no limits on engineering requests per office. Intervals will be adjusted due to changes in requests or delays caused by AT&T.

The clock for the standard interval starts when the ASAC receives billing authorization (Form A-1). The clock stops when the ASAC issues an occupancy permit.

Non-Routine Make Ready Work

Because of the variable nature of Non-Routine Make Ready work, completion intervals will be negotiated after Field Survey work is complete. Ameritech will provide to AT&T an estimated completion interval for Non-Routine Make Ready work within seven (7) days of Ameritech receiving a completed Form A-1 from AT&T, if no other attaching parties must be notified.

All Make Ready Work

If the Make Ready work requires that other Attaching Parties be notified, the interval will be extended by an additional 60 days. If Ameritech is unable to complete Make Ready work in a reasonable time frame, AT&T may be allowed to perform certain Make Ready work in accordance with 7.6.15 and 7.6.16.

- (a) If a mutually agreed upon completion date cannot be reached, the Job Administration Management System (JAM)* coding will be applied to the scope of the work to determine the completion date. Once the completion date is established the work will start within 10 business days.

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7.6 Access to Ducts and Conduit

- (b) If Ameritech cannot meet AT&T's requested completion date, AT&T will have the option of performing the work to meet the requested completion date.

* (JAM) or other Ameritech mechanized interval scheduling system

7.6.21 Occupancy Permit

- (a) Within five (5) business days after notification of successful completion of all Make Ready Work associated with the Structure Request (including Make Ready Work by other attaching parties), Ameritech will issue an Occupancy Permit (Form C1) to AT&T.
- (b) In accordance with Section 16.15 of the Interconnection Agreement, the Occupancy Permit shall expire if AT&T has not placed and put into service its Attachments within one hundred eighty (180) days from the date AT&T receives Occupancy Permit. Conduit rental rates will apply during the one hundred and eighty (180) day period.

7.7 Access to Poles

“Poles” means poles owned and controlled in whole or in part by Ameritech.

7.7.1 Information Access - Poles

AT&T will be provided access to Ameritech Structure records for poles as defined in Section 7.3.

7.7.2 Definition of Available Pole Capacity

Available pole capacity is unoccupied but usable space on a pole, that complies with Section 7.9, AT&T Installation and Maintenance Standards of this document, excluding space which is subject to a pending request of another attaching party or is reserved for municipal government use. The availability of poles for attachments, and attachment types and practices, may depend upon the policies, practices, and contractual rights of parties, generally electric power companies, with whom Ameritech has joint use or joint ownership arrangements regarding such poles.

7.7.3 Limitations of Records

Ameritech pole maps and/or records provide information only on the existence of poles owned or controlled in whole or in part, by Ameritech, but do not contain information regarding available pole capacity. Available pole capacity can be determined only during a Field Survey.

7.7.4 Structure Access Request (Poles)

- (a) To request access to poles, AT&T shall submit:
 - (i) Forms P1 & P2 (poles)
 - (ii) The associated maps and written description for each request. AT&T shall include the number of, type, size location of the attachments it proposes to install on the Form P2.
- (b) The ASAC will enter AT&T's request into the Priority Queue. (See the process defined in Section 7.5 herein.)
- (c) AT&T may choose to perform the field survey, AT&T may request Ameritech to perform the field survey, or joint agreements between Ameritech and power companies may require Ameritech and AT&T to participate in a joint field survey.

7.7.5 Field Survey - Definition/Limitation

- (a) A Field Survey is a physical check of each pole to identify availability of space for attachments and any required Make Ready Work.

The field survey includes (where available):

- (i) availability of space for power supplies
- (ii) availability of space for cables
- (iii) availability of space for terminals
- (iv) availability of space for laterals
- (v) proper bonding and grounding

A Field Survey does not guarantee available pole capacity. Also, the Field Survey does not imply that the ASAC has approved pole attachments for AT&T. An Ameritech occupancy permit will indicate Ameritech's approval for pole attachment.

7.7.6 Field Survey by Ameritech - Poles

- (a) Where power company practices under applicable joint use or joint ownership agreements require Ameritech to perform the Field Survey, Ameritech will notify AT&T of such requirement within five (5) business days of AT&T's Structure Access request.
- (b) Ameritech will provide to AT&T the estimated cost for performing the Field Survey
- (c) AT&T will provide Billing Authorization (Form A1) for Ameritech to proceed with the Field Survey
- (d) Ameritech will complete the Field Survey in accordance with intervals as detailed in 7.7.8
- (e) AT&T, the Electric Company and all other parties with attachments may supply a representative.
- (f) Ameritech or a qualified contractor will inspect each pole to determine available capacity for an additional attachment.
- (g) Ameritech will notify AT&T within twenty four (24) hours prior to beginning the Field Survey if AT&T is to provide a representative

7.7.7 Field Survey Without Ameritech

Where AT&T may perform the survey without the accompaniment personnel, AT&T will be responsible for providing Ameritech with information on any Make Ready Work required for any existing party attached to the pole.

7.7.8 Pole Field Survey Intervals

The standard interval for Field Survey work for Poles that is to be performed by Ameritech is 25 business days for the first 25 poles and an additional 2 business days for each additional 25 poles. Intervals will be adjusted due to changes in requests or delays caused by AT&T.

The clock for the standard interval starts when the ASAC receives properly completed (accurate and with all necessary details) Forms P-1 and P-2. The clock stops when the ASAC sends a Form A-1 to AT&T to notify of the estimated Make Ready work.

7.7.9 Denial of Access

Ameritech will determine if access to poles can be provided to AT&T as detailed in section 7.7.8.

7.7.10 Cost Estimate (Poles)

If it is determined from the Field Survey, that AT&T may have access to Ameritech Structure, the ASAC will:

- (a) notify other parties of proposed modifications to Structure to which they are attached if a notification is required (See section 7.15)
- (b) provide to AT&T an estimated cost for the Ameritech Make Ready Work.

7.7.11 Return of Billing Authorization

- (a) AT&T shall return a Billing Authorization (Form A-1) to the ASAC within forty-five (45) days of receiving the Ameritech estimated cost for proposed Ameritech Make Ready work. If AT&T has not returned the Billing Authorization to the ASAC within the forty-five (45) days, AT&T's request shall be considered expired.
- (b) The ASAC shall provide AT&T an estimated completion date, as defined in 7.7.16 below.
- (c) If Ameritech determines it will be unable to complete Make Ready work in accordance with standard intervals as defined in 7.7.8, Ameritech may suggest or AT&T may request that AT&T be allowed to have AT&T or AT&T's contractor perform certain work associated with Make Ready.

7.7.12 Definition of Ameritech Make Ready Work

Ameritech Make Ready Work:

- (a) is any work that is required to be performed by Ameritech to make poles ready for AT&T's attachment.
- (b) does not include any work regarding the facilities or attachments of other parties with attachment to the pole necessary to accommodate AT&T's attachment.

The following applies:

- (a) When AT&T is allowed to perform certain Make Ready work, all standards and conditions specified in section 7.9 will be followed.
- (b) AT&T will not be allowed to perform certain Make Ready Work that is required to be performed by Ameritech employees pursuant to Ameritech collective bargaining agreements, work rules and policies. If AT&T is denied the ability to perform certain Make Ready Work, Ameritech will address the reason for such denial on a case-by-case basis.

7.7.13 Force Majeure

Ameritech is not responsible for Make Ready Construction Work delays due to, local conditions, inability to obtain permits or Force Majeure as defined in the *Interconnection Agreement* in Section 30.5.

7.7.14 Limitation on Ameritech Obligations (Poles)

Ameritech is not required to construct or acquire additional poles in locations where Ameritech poles do not currently exist in order to provide pole attachments to AT&T. Upon request by AT&T, Ameritech may consider constructing or acquiring such additional poles. Ameritech is required to make Ameritech Right-of-Way available to AT&T to construct AT&T's own poles as defined in Articles 16.1.1 and 16.3.2 of the *Interconnection Agreement*.

7.7.15 Successful Completion of Make Ready Work

Successful completion of Ameritech Make Ready Work and that of other parties with attachments will determine pole space availability. The successful completion of Make Ready Work does not imply that Ameritech has approved pole attachments for AT&T. An Ameritech Occupancy Permit will indicate approval of the pole attachment.

7.7.16 Pole Make Ready Work Intervals

Because of the variable nature of Make Ready work, completion intervals will be negotiated after Field Survey work is complete. Ameritech will provide to AT&T an estimated completion interval for Make Ready work within seven (7) business days of Ameritech receiving completed Form A-1 from AT&T, if no other Attaching Parties must

be notified. If the Make Ready work requires that other Attaching Parties be notified, the interval will be extended by an additional 60 days.

7.7.17 Locations of Attachments

Possible locations for Attachments are:

- (a) “Overbuild Space” is defined herein as the location on the pole available for attachments a minimum of twelve inches (12”) above the highest existing communications attachment and below the bottom of neutral space.
- (b) “Underbuild Space” defined herein as the location on the pole available for attachments a minimum of twelve inches (12”) below the lowest existing communications attachment but adhering to the minimum NESC ground clearance requirements.
- (c) A “Standoff Bracket” used to add capacity and to attach an additional attachment on an existing pole.
- (d) Overlashing - is defined as attaching a cable to an existing AT&T cable

Use of Overbuild Space, Underbuild Space, a Standoff Bracket, or Overlashing may not be permitted on poles which Ameritech has a joint use or joint ownership agreement with a power company and may be dependent upon the power company policies and practices prohibiting such uses.

7.7.18 Selection of Pole Attachment Location

AT&T will recommend a location and Ameritech will select upon consideration of that recommendation the location of the poles for AT&T’s attachments. The selection will be based on safety, reliability or general engineering principles and will be applied in a nondiscriminatory fashion.

7.7.19 Construction Guidelines

Once a pole attachment location is chosen for construction, it should be maintained throughout the area of construction if at all possible. Exceptions will be subject to review by the ASAC and denied only for safety, reliability or engineering principles.

7.7.20 Occupancy Permit

- (a) Within five (5) business days after notification of successful completion of all Ameritech Make Ready Work associated with the structure request (including Make Ready Work by other attaching parties), Ameritech will issue an Occupancy Permit (Form P1) to AT&T.
- (b) In accordance with Section 16.15 of the Interconnection Agreement, the Occupancy Permit shall expire if AT&T has not placed and put into service its Attachments within one hundred eighty (180) days from the date Ameritech has issued the Occupancy Permit to AT&T. Pole rental rates will apply during the one hundred and eighty (180) day period.

7.8 Access to Rights of Way

“Ameritech Rights of Way” are rights of way owned or controlled by Ameritech as defined in the applicable Interconnection Agreement.

7.8.1 Structure Access Request (ROW)

- (a) To request access to Ameritech Rights of Way (ROW), AT&T will submit to the ASAC:
 - (i) an R1 form (attached hereto in Section 7-20, Exhibits)
 - (ii) a detailed drawing and description of the proposed ROW that is requested to be occupied
 - (iii) a print detailing the proposed location and nature of AT&T’s attachments (buried cables, terminals, equipment nodes sites, controlled environmental vaults, etc.).
 - (iv) a deposit as calculated on the R1 form.
- (b) The ASAC will enter AT&T’s request into the Priority Queue. [See the Priority Queue process defined in Section 7.5 herein.]
- (c) If AT&T requests access to Ameritech ROW where Ameritech has not existing ROW, Ameritech shall not be required to acquire new ROW.

7.8.2 Records Review

Within ten (10) business days of the Structure Access Request to access ROW, Ameritech will perform an internal Ameritech ROW records review. The ROW records review will not determine space availability. Space availability for ROW can only be determined by performing a Field Survey.

7.8.3 Field Survey

- (a) the ASAC shall notify AT&T.
- (b) If needed, AT&T may perform a Field Survey or request the ASAC to arrange for Field Survey to be scheduled within seven (7) business days of receiving the Billing Authorization from AT&T.
- (c) If AT&T performs the Field Survey, AT&T will arrange for the location of all existing subsurface facilities in the requested Ameritech ROW.
- (d) During the Field Survey, any necessary Make Ready Work will be identified
- (e) AT&T will select the location within the rights-of-way for its attachment or the occupancy of the right-of-way subject to approval by the ASAC. Approval will be denied only for safety, reliability or general engineering principles

7.8.4 Denial of Access

Ameritech will determine if access to ROW can be provided to AT&T and provide notification as detailed in Section 7.6.13.

7 STRUCTURES

7.8 Access to Rights of Way

7.8.5 Make Ready Work

- (a) If it is determined from the Field Survey that AT&T may have access to Ameritech ROW, the ASAC will provide an estimate cost for the Make Ready Work to AT&T to form A1.
- (b) AT&T shall return the Billing Authorization (Form A1) to the ASAC within forty-five (45) days of receiving the Ameritech estimated cost proposed Make Ready Work. If AT&T has not returned the Billing Authorization to the ASAC within the forty-five (45) days, AT&T's request shall be considered expired and AT&T will lose its position in the Priority Queue if there are other attaching parties in the Priority Queue. (See Process for Priority Queue defined in Section 7.5 herein.)
- (c) Ameritech shall provide AT&T a due date by which the ROW Make Ready Work shall be completed within seven (7) business days of receiving the AT&T Billing Authorization

7.8.6 Occupancy Permit

- (a) Within five (5) business days after successful completion of all Make Ready Work, Ameritech will issue an Occupancy Permit (Form R1) to AT&T.
- (b) In accordance with Section 16.15 of the Interconnection Agreement, the Occupancy Permit shall expire if AT&T has not placed and put into service its Attachments within one hundred eighty (180) days from the date AT&T has received the Occupancy Permit from Ameritech.

7.9 AT&T Installation and Maintenance Standards

7.9.1 General

AT&T workers or contractors may have occasion to work in, on or near Ameritech Structure in various circumstances:

- (a) When installing or maintaining AT&T facilities
- (b) Performing Field Survey work per sections 7.6.8, 7.7.7, or 7.8.3
- (c) Performing Make Ready work per sections 7.6.16, 7.7.12 or 7.8.5

In all cases :

- (a) Ameritech must have a designated representative on the job whenever AT&T or its contractors are working in ducts and conduit
- (b) When AT&T is going to perform installation, Field Survey, Make Ready, or routine maintenance work, Ameritech must be notified 5 business days in advance of AT&T's start date to provide a representative.
- (c) AT&T is responsible for all actions of AT&T workers or contractors
- (d) AT&T workers or contractors must be fully trained and it is AT&T's responsibility to insure they follow all applicable safety rules and construction standards as listed below.
- (e) AT&T will be solely responsible at its own expense for the proper handling, storage, transport, treatment, disposal and use of all Hazardous Substances by AT&T and its contractors and agents. "Hazardous Substances" includes those substances (i) included within the definition of hazardous substance, hazardous waste, hazardous material, toxic substance, solid waste or pollutant or contaminant under any Applicable Law and (ii) listed by any governmental agency as a hazardous substance.
- (f) When AT&T is allowed to perform Field Survey or Make Ready work, AT&T may subcontract the work with contractors approved by Ameritech. Approval of such subcontractors by Ameritech shall be based on the same criteria it uses in approving contractors for its own purposes.
- (g) The Ameritech representative shall have full authority, but not responsibility, to stop any work operations that do not conform to the applicable rules and standards
- (h) AT&T shall be responsible to obtain any and all work or construction permits necessary to perform work they will perform

7.9.2 Safety

While working on or in Ameritech Structure, all AT&T employees, agents, contractors and representatives must abide by the rules and regulations of the Occupational Safety and Health Act (OSHA) and any governing authority having jurisdiction over the subject matter. AT&T shall be responsible to insure its workers abide by all safety rules, and the Ameritech Representative assigned to the job shall have authority, but not the responsibility, to enforce all safety rules.

The following list, which is not all inclusive, highlights some specifics:

- (a) All workers must wear appropriate attire whenever doing work in or near Ameritech manholes to include safety vests, hard hats, etc.
- (b) All manholes must undergo air monitoring and proper ventilation before and during manhole entries
- (c) Manhole guards must be present at all times while the manhole is open

7 STRUCTURES

7.9 AT&T Installation and Maintenance Standards

- (d) No smoking is allowed within the vicinity of an open manhole
- (e) No open torches are allowed inside or near a manhole
- (f) All governmental rules and regulations for traffic control are to be followed
- (g) Water must be pumped in a manner to minimize its effect on traffic. Always pump to the nearest drain, and salt should be placed where water touches pavement during freezing temperatures

7.9.3 Protection of Existing Cable Facilities

Whenever working in or near Ameritech Structure, all workers are to take all necessary precautions to prevent any damage to any existing cable facilities that are already attached to the Structure. Some common precautions to take are:

- (a) Workers shall not step/stand on any communications facilities
- (b) Workers shall carry their own ladder (12 to 16) feet is often appropriate for instances where none is available in the manhole
- (c) AT&T will work only on Structure assigned to AT&T.
- (d) When any innerduct is opened, it should not be assumed the innerduct is vacant. It must be opened carefully in such a manner to insure any potential cable inside is not damaged in the process.
- (e) Should workers encounter air leaks, missing / broken ladders, or other inappropriate manhole situations, these items shall be communicated to the Ameritech Representative immediately.
- (f) If damage to another party's facilities should occur, the owner of the facility and the Ameritech representative are to be immediately notified and all possible arrangements made to allow the facility to be repaired as soon as possible. The party causing the damage will be responsible for all costs to repair the facility.

7.9.4 Installation Standards

AT&T's attachments shall be placed and maintained in accordance with the requirements and specifications of the latest editions of the:

National Electrical Code (NEC)

National Electrical Safety Code (NESC),

Bellcore - Blue Book , Manual of Construction Procedures, (SR-1421, Dec.,1996, Iss. 2)

(call Bellcore Customer Service - (800)521-2673 to order Blue Book)

7.10 AT&T Attachment Placement - Conduit

7.10.1 Occupancy Permit Requirement

AT&T may occupy Ameritech conduit, ducts, innerducts only after obtaining an approved Conduit Occupancy Permit (Form C1) from the ASAC.

7.10.2 Placement of Attachment Due Date

After all Make Ready and Work has been completed and AT&T has received an occupancy permit for each attachment, AT&T has one hundred and eighty (180) days to complete placement of its attachments in the conduit/innerduct. If placement is not completed within one hundred and eighty (180) days the Permit will expire. Conduit rental rates will apply during the one hundred and eighty (180) day period.

7.10.3 Ameritech Job Site Representation

An Ameritech representative must be on the job site when AT&T is placing or removing its attachments, in Ameritech's conduit structure. Ameritech must be given a five (5) business day notice in order to provide a representative (at AT&T's expense) on site by AT&T's construction start date. All reasonable and actual charges will be billed to AT&T. Ameritech will provide a rate sheet to AT&T upon AT&T's request.

7.10.4 Additional Requirement for AT&T

AT&T must maintain its attachments in accordance with Section 7.9 AT&T Installation and Maintenance Standards of this document.

7.10.5 Assignment Location

The Ameritech representative will specify in a "first come-first served" nondiscriminatory manner, the assignment location of the conduit/innerduct to be occupied by AT&T.

7.10.6 Modification

Any modification, other than routine maintenance, of AT&T's attachments will require a new Occupancy Permit.

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7.10 AT&T Attachment Placement - Conduit

7.11 AT&T Attachment Placement - Poles

AT&T shall obtain an approved Occupancy Permit (Form P1) from the ASAC before placing its attachments on Ameritech poles.

7.11.1 Placement of Attachment Due Date

After all Make Ready Work has been completed and AT&T has received the Occupancy permit in AT&T has one hundred and eighty (180) days to complete placement of its attachments on the poles. If placement is not made within one hundred and eighty (180) days the Permit will expire. Pole rental rates will apply during the one hundred and eighty (180) days period.

7.11.2 Additional Requirement for AT&T

AT&T:

- (a) may place only those attachments approved in the Occupancy Permit.
- (b) must maintain its attachments in accordance with Section 7.9 AT&T Installation and Maintenance Standards of this document.

7.11.3 Attachment Location

The ASAC with input of AT&T, will assign in a nondiscriminatory fashion , the attachment location on the pole .

7.11.4 Modifications

Any modification of the attachment, other than routine maintenance, of the attachment will require a new Occupancy Permit.

7.11.5 Service Wire, Splice and Terminal Mounting

AT&T's service wires, splices, and terminals must be strand-mounted. Service wire attachments do not require an Occupancy Permit.

Ameritech will consider a request from AT&T to mount terminals on Ameritech poles in a non-discriminatory manner with other attaching parties.

7 STRUCTURES

7.11 AT&T Attachment Placement - Poles

7.12 Maintenance

7.12.1 Maintenance of Conduit

(a) AT&T will be allowed to enter an Ameritech Structure with an Ameritech representative present, after providing forty-eight (48) hours written notification to Ameritech, for scheduling purposes (facsimiles are acceptable), which includes:

- (i) manholes to be entered and locations of each manhole
- (ii) nature of the proposed work
- (iii) and time required for proposed work

(b) All reasonable and actual charges for the Ameritech representative will be billed to AT&T. Ameritech will provide a rate sheet to AT&T upon AT&T's request.

7.12.2 Poles

AT&T may place (after obtaining an occupancy permit), remove and maintain its pole attachments without the Ameritech Representative present, however, AT&T must notify the ASAC prior to entering any structure.

7.12.3 Disaster Recovery - Structures (Fiber, Conduit, Manholes, Pole Attachments, etc.)

For more detailed information on Disaster Recovery see Section 2, General, of this document.

For additional information on Structures, the following is included:

The way in which cable and fiber facility restoration activity is prioritized has been by the utilization of the TSP (Telecommunication Service Priority) system. This system was put in place by the 1988 Presidential Executive Order establishing the TSP system. The TSP system is in effect and used for restoration, and will be used in all cases where it applies. TSP services will not pre-empt any Telecommunication Carriers circuits and services required to maintain, monitor, or control, the public switched network (PSN), its facilities, or other vital assets such as order wires, monitoring and control channels. These circuits and services are the only ones which receive higher priority treatment than TSP. Ameritech will in good faith accommodate all involved TC's personnel in simultaneous restorations of out of service circuits. Many activities to restore critical services will occur simultaneously. However, if simultaneous restoration cannot be accommodated the following priority/ranking sequence for access to facilities requiring restoration will be followed:

The TSP system uses the following 10 priorities:

- 1st** Restoration of official services which are vital to the ability of the Telecommunication Carrier to respond to the emergency.
- 2nd** Restoration of essential NSEP services identified with a TSP restoration code of 1.
- 3rd** Restoration of emergency NSEP services identified with a TSP restoration code of "E".
- 4th** Restoration of essential NSEP services identified with a TSP restoration code of 2, 3, 4, and 5; in order.
- 5th** Services without TSP which are considered to be essential, including federal, state, and local government circuits, police, fire, hospital.
- 6th** Interoffice services for communities which are isolated.
- 7th** Services for customers highly dependent on telecommunication.
- 8th** Other Business services.

9th Residential services.

10th Unassigned Circuits.

The restoration process that will be followed once Ameritech or AT&T or another TC is that the first group to arrive on site should use the following damage site assessment sequence for all cases:

- (a) Assess the extent of damage.
- (b) Determine required work groups.
- (c) Determine tools and materials.
- (d) Ascertain damaging party information, as indicated on Ameritech's form 1140, including photographs if possible.
- (e) Document any other pertinent information.
- (f) Ameritech form 1140 must be submitted to the Ameritech Claims Organization within 48 hours of occurrence.
- (g) Protect the Public as appropriate.

Once the above facts are gathered, repairs on the cable should begin. Critical situations may require restorations to start prior to all details being gathered.

The method of restoration will be determined by the most practical way to restore all of the involved cables. Generally, in a conduit system, for example, the fibers or cable at the bottom of the group will be restored first. This is a common practice. However, the technicians on site during the assessment phase will be in the best position to determine the MOP (method of procedures) to be followed for restoration.

In all cases, equal access will be provided to Ameritech, AT&T and any other TCs whose cables are involved in any restoration activity.

Any parties causing damage will be responsible for all restoration costs. Restoration will be completed according to the TSP priorities, if appropriate.

7.13 Unauthorized Attachments

7.13.1 Unauthorized Attachments

If any of AT&T's communications facilities shall be found attached to Ameritech's poles or in Ameritech's ducts or conduits for which no Occupancy Permit was issued, Ameritech will provide notice to AT&T in writing and AT&T must correct such noncompliance within ninety (90) days of receipt of such notice.

7.13.2 Determination of Applicable Charges

See Issues in Dispute, 7-1 - Structure Modification, as it relates to Unauthorized Attachments

7.13.3 No Ratification or Waiver

No act or failure to act by Ameritech with regard to said unauthorized use shall be deemed as a ratification or the permitting of the unauthorized use; and if any permit should be subsequently issued, said permit shall not operate retroactively or constitute a waiver by Ameritech of any of its rights or privileges under this Agreement or otherwise; provided, however, that AT&T shall be subject to all liabilities, obligations and responsibilities of this Agreement in regards to said unauthorized use from its inception.

7.14 Fees

7.14.1 Cost Recovery

AT&T will reimburse Ameritech for all costs associated with Information Access, Field Survey, Make Ready and Inspection work. Charges will be billed either on an actual cost basis or a fixed charge basis as agreed upon by Ameritech and AT&T.

7.14.2 Ameritech Cost Estimate

Ameritech personnel will estimate the cost to perform any Ameritech Structure Records preparation work, Field Survey, and/or Make Ready Work required to process AT&T's access request. These estimates shall include the engineering time, construction time, contractor cost, material cost and overheads and loadings. AT&T must submit a Billing Authorization prior to the ASAC initiation of any map preparation, Engineering Field Survey or Make Ready Work.

7.14.3 Attachment Rental Fees

In addition to the above, AT&T shall pay any applicable attachment rental fees per the Interconnection Agreement.

7.14.4 Structure Bill True-Up

- (a) If billing is a fixed charge, any extras to the original estimate due to requests from AT&T or unforeseen circumstances will be approved by AT&T before they are added to the bill.
- (b) If billing is initiated on an actual cost basis, a deposit will normally be required. Therefore, if the deposit exceeds the actual charges, AT&T will be refunded the difference at job completion. If the actual charges exceed the deposit, AT&T will be billed the difference.
- (c) If there are questions on any bills, AT&T will send written questions to the ASAC. The ASAC will coordinate with the Ameritech departments involved to provide answers to AT&T to resolve the issues.

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7.14 Fees

7.15 Modifications Which Add Capacity to Structure

Part of the Make Ready pursuant to a Structure Access Request, may include modifications to Ameritech's Structure which add capacity to the Structure. All terms surrounding Modification work apply equally to all attaching parties including Ameritech. Refer to Issue in Dispute 7-1, Modifications Cost Recovery.

7.15.1 Notification of a Modifications

If a Structure Access Request results in Ameritech making modifications that add capacity to Ameritech Structure, pursuant to the applicable Interconnection Agreement:

- (a) Ameritech shall notify, in writing, all parties who are currently attached to the structure.
- (b) Except with respect to modifications involving the adding of innerduct, these parties will have sixty (60) days to indicate if they wish to participate in the modification. With respect to modifications involving the adding of innerduct, these parties will have forty-five (45) days to indicate if they wish to participate in the modification.

7 STRUCTURES

7.15 Modifications Which Add Capacity to Structure

7.16 Limitations on Structure Access Requests

The availability of Ameritech's Structure per AT&T's attachments is subject to Articles 16.1 and 16.3 of the *Interconnection Agreement*.

7.16.1 Timing of Requests

Requests received after 12:00 p.m. noon, Eastern time will be considered received the following business day for purposes of the Queue Priority.

7.16.2 Limitations of Estimated Intervals

The standard estimated intervals contained herein are based on normal Ameritech work loads and do *not* apply to acts of governmental agencies, strikes and labor action, or Force Majeure as defined in the Interconnection Agreement in Section 30.5.

7.16.3 Limitation of Scope

There will be no limits on engineering requests per office. Intervals will be adjusted due the changes in requests or delays caused by AT&T.

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7.16 Limitations on Structure Access Requests

7.17 Additional Structure Planning

7.17.1 Meeting to Review Growth Forecast

At the reasonable request of AT&T, the ASAC will meet with AT&T to review a two (2) year forecast of growth requirements for attachments to Ameritech Structure.

7.18 Points of Contact

All questions and concerns regarding Structure should be directed to the following contacts:

Table 7-1. AT&T/Ameritech Contact List

AT&T	Ameritech
Charles Warfield Chicago Regional Route Planning Manager Room 20NR3 227 W. Monroe Chicago, IL 60606 phone (312) 230-4077 fax (312) 230-8219 pager 1-800-258-0000 pin 288-5768	Sam Hall Ameritech Structure Leasing Coordinator 23500 Northwestern Highway Room E230 Southfield, MI 48075 phone (248) 424-0116 fax (248) 424-0111 [All states]
Jim Balmer Chicago Regional Construction and Engineering Manager Room 20NR2 227 W. Monroe Chicago, IL 60606 phone (312) 230-4078 fax (312) 230-8219 pager 1-800-258-0000 pin 288-3073	ASAC Manager Galen Hawken 23500 Northwestern Highway Room E230 Southfield, MI 48075 phone: (248) 424-1370 fax: (248) 424-0111
William Massani Chicago Regional Local Loop Planning Manager Floor 20 227 W. Monroe Chicago, IL 60606 phone (312) 230-2478 fax (312) 230-8636 pager 1-800-258-0000 pin 288-3070	Gerry Agnew Manager - Structure Access/ROW N17 W24300 Riverwood Drive Floor 3 Waukesha, WI 53188 phone (414) 523-7016 fax (414) 523-7016 pager: (414) 557-5366
John Fisk Midwest Outside Plant Engineering and Construction District Manager Floor 20 227 W. Monroe Chicago, IL 60606 phone (312) 230-4100 fax (312) 230-8219 pager 1-800-258-0000 pin 288-5767	
Maintenance Supervisors AT&T - email: isnm@att.com voice: 800-NOC-WEST	

7.19 Performance Standards

See Plan-for-Plan 7-1, “Performance Standards” and Plan-for-Plan 7-2, “Comparable Treatment” in the overview at the beginning of this section.

7.20 Exhibits

Responsibility

Forms used by Ameritech Structure Access Center as a means to communicate between Ameritech and AT&T, will be developed and maintained by Ameritech.

Table 7-2. Ameritech Structure Access Forms

The following is a current list of forms to be used.	
RC-1	Information Access Request - Structure Records
C-1	Structure Access Request - Ducts and Conduit
C-1 Actual	Structure Access Request - Poles
C-2	Conduit Data Sheet
C-2-1	Conduit Data Sheet (Continuation of C-2)
P-1	Structure Access Request - Poles
P-1 Actual	Structure Access Request - Poles
P-2	Pole Data Sheet
P-2-1	Pole Data Sheet - (Continuation of P-2)
A-1	Estimate for Make Ready Work/Billing Authorization
A-1 Actual	Estimate for Make Ready Work/Billing Authorization
R-1	Structure Access Request - Rights-of-Way
R-2	Rights-of-Way Data Sheet
R-2-1	Rights-of-Way Data Sheet - (Continuation of R-2)
RC-1	Information Access Request - Structure Records
N-1	Notice of Proposed Modification to Structure
N-2	Notice of Proposed Attachment to Structure
N-3	Notice of Vested Interest in Structure
Forms will be added or modified as required.	

ARTICLE XVII
INTERCEPT/REFERRAL ANNOUNCEMENT

17.0 Intercept/Referral Announcement.

17.1 Intercept Announcement. When a Customer changes its service provider from SBC-AMERITECH to AT&T, from AT&T to SBC-AMERITECH, or from AT&T to a CLEC and does not retain its original telephone number, the Party formerly providing the switching functionality for the Customer's abandoned line shall provide an intercept announcement ("**Intercept Announcement**") on the abandoned telephone number which provides details on the Customer's change in number. When a customer changes local service from SBC-AMERITECH to AT&T and an Intercept Announcement is needed, AT&T may, at its discretion, order the Intercept Announcement from SBC-AMERITECH on behalf of the Customer. When a customer leaves AT&T where AT&T was providing service to the customer through unbundled local switching from SBC-AMERITECH, SBC-AMERITECH may not preclude AT&T from ordering the Intercept Announcement on behalf of the Customer and shall accept the request for an Intercept Announcement directly from AT&T.

Intercept Announcements shall be provided reciprocally, free of charge to both the other Party and the Customer, in the same manner as each Party provides the service for its own retail end users. Notwithstanding the above, a Party shall provide Intercept Announcements for a period different (either shorter or longer) than the above respective periods if such change is necessary in order to comply with applicable regulatory requirements.

SBC-AMERITECH will provide an Intercept Announcement pursuant to this section whenever a Customer switches local service from a CLEC to AT&T, and SBC-AMERITECH was providing the switching functionality on the line abandoned by the former CLEC Customer. SBC-AMERITECH will provide AT&T's Customers with the same Intercept Announcement options that SBC-AMERITECH offers to its own retail customers.

ARTICLE XVIII
JOINT OPERATIONAL TEAMS

18.0 Joint Operational Teams.

18.1 Joint Operational Teams. Upon the request of either Party hereto, the Parties shall promptly form joint operational teams as needed to develop the procedures, guidelines, specifications and standards necessary for the provision of services under this Agreement and for the specific implementation of each Party's obligations hereunder. Once a joint operational team is established, each Party's representatives to the team will work in good faith to resolve identified implementation issues as quickly as possible. Agreements reached by such operational teams shall be documented, unless otherwise mutually agreed upon by the Parties.

The Parties agree that any necessary operational process included in the companies' former Implementation Plan that is not addressed in this Agreement may, upon mutual agreement of the Parties, be defined and documented by an inter-company joint operational team, pursuant to the procedure established by this **Article XVIII**.

ARTICLE XIX
GENERAL RESPONSIBILITIES OF THE PARTIES

19.0 General Responsibilities of the Parties.

19.1 Intentionally left blank.

19.2 Compliance with Applicable Law and Certification. Each Party shall comply at its own expense with all applicable federal, state, and local statutes, laws, rules, regulations, codes, final and non-appealable orders, decisions, injunctions, judgments, awards and decrees (collectively, “**Applicable Law**”) that relate to its obligations under this Agreement.

19.2.1 Each Party agrees to obtain all necessary state certification prior to ordering any Interconnection, Resale Services, Network Elements, functions, facilities, products and services from the other Party pursuant to this Agreement.

19.2.2 Non-Contravention of Laws. Nothing in this Agreement shall be construed as requiring or permitting either Party to contravene any mandatory requirement of Applicable Law.

19.3 Necessary Approvals. Each Party shall be responsible for obtaining and keeping in effect all approvals from, and rights granted by, governmental authorities, building and property owners, other carriers, and any other persons that may be required in connection with the performance of its obligations under this Agreement. Each Party shall reasonably cooperate with the other Party in obtaining and maintaining any required approvals and rights for which such Party is responsible.

19.4 Hazardous Substances. Each Party will be solely responsible at its own expense for the proper handling, storage, transport, treatment, disposal and use of all Hazardous Substances by such Party and its contractors and agents. “**Hazardous Substances**” includes those substances: (i) included within the definition of hazardous substance, hazardous waste, hazardous material, toxic substance, solid waste or pollutant or contaminant under any Applicable Law, and (ii) listed by any governmental agency as a hazardous substance.

19.4.1 AT&T shall in no event be liable to SBC-AMERITECH for any costs whatsoever resulting from the presence or release of any **Hazardous Substances** that AT&T did not introduce to the affected work location. SBC- AMERITECH shall indemnify, defend (at AT&T’s request) and hold harmless AT&T, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys’ fees) that arise out of or result from: (i) any **Hazardous Substances** that SBC-AMERITECH, its contractors or agents introduce to the work locations, or (ii) the presence or release of any **Hazardous**

Substances for which SBC-AMERITECH is responsible under Applicable Law.

19.4.2 SBC-AMERITECH shall in no event be liable to AT&T for any costs whatsoever resulting from the presence or release of any **Hazardous Substances** that SBC-AMERITECH did not introduce to the affected work location. AT&T shall indemnify, defend (at SBC-AMERITECH's request) and hold harmless SBC-AMERITECH, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys' fees) that arise out of or result from: (i) any **Hazardous Substances** that AT&T, its contractors or agents introduce to the work locations, or (ii) the presence or release of any **Hazardous Substances** for which AT&T is responsible under Applicable Law.

19.5 Forecasting Requirements.

19.5.1 The Parties shall exchange technical descriptions and forecasts of their Interconnection and traffic requirements in sufficient detail necessary to establish the Interconnections required to assure traffic completion to and from all Customers in their respective designated service areas.

19.5.2 Forecasting Responsibilities

19.5.2.1 AT&T agrees to provide an initial forecast for establishing the initial Interconnection facilities. SBC-AMERITECH shall review this forecast and if it has any additional information that will change the forecast shall provide this information to AT&T. Subsequent forecasts shall be exchanged on a semi-annual basis, not later than January 1 and July 1 in order to be considered in the semi-annual publication of the SBC-AMERITECH General Trunk Forecast. This forecast from both Parties should include yearly forecasted trunk quantities for all appropriate trunk groups described in this Appendix for a minimum of three years. Parties agree to the use of Common Language Location Identification (CLLI) coding and Common Language Circuit Identification for Message Trunk coding (CLCI-MSG) which is described in TELCORDIA TECHNOLOGIES documents BR795-100-100 and BR795-400-100 respectively. Analysis of trunk group performance, and ordering of relief if required, will be performed on a monthly basis at a minimum (trunk servicing).

19.5.2.2 The semi-annual forecasts shall include:

19.5.2.2.1 Yearly forecasted trunk quantities (which include measurements that reflect actual Tandem local Interconnection and InterLATA trunks, End Office Local Interconnection trunks, and Tandem subtending Local Interconnection End Office equivalent trunk requirements) for a minimum of three (current and plus 1 and plus 2) years; and

19.5.2.2.2 A description of major network projects

anticipated for the following six (6) months. Major network projects include trunking or network rearrangements, shifts in anticipated traffic patterns, orders greater than four (4) DS1s or other activities that are reflected by a significant increase or decrease in trunking demand for the following forecast period.

19.5.2.2.3 The Parties shall meet to discuss the mutual forecasts provided above to ensure efficient utilization of trunks. Orders for trunks that exceed forecasted quantities for forecasted locations will be accommodated as facilities and/or equipment becomes available. Parties shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate orders when facilities are not available.

19.5.2.3 SBC-AMERITECH shall be responsible for forecasting and servicing the one way trunk groups terminating to AT&T and AT&T shall be responsible for forecasting and servicing the one way trunk groups terminating to SBC-AMERITECH, unless otherwise specified in this Article. Standard trunk traffic engineering methods will be used by the parties as described in Bell Communications Research, Inc. (TELCORDIA TECHNOLOGIES) document SR TAP 000191, Trunk Traffic Engineering Concepts and Applications.

19.5.2.4 If forecast quantities are in dispute, the Parties shall meet to reconcile the differences.

19.5.2.5 Each Party shall provide a specified point of contact for planning, forecasting and trunk servicing purposes.

19.6 Certain Network Facilities. Each Party is individually responsible to provide facilities within its network which are necessary for routing, transporting, measuring, and billing traffic from the other Party's network and for delivering such traffic to the other Party's network using industry standard format and to terminate the traffic it receives in that standard format to the proper address on its network. Such facility shall be designed based upon the description and forecasts provided under **Section 19.5**. The Parties are each solely responsible for participation in and compliance with national network plans, including The National Network Security Plan and The Emergency Preparedness Plan.

19.7 Network Harm. Neither Party shall use any Interconnection, Resale Service, Network Element, function, facility, product or service provided under this Agreement or any other service related thereto or used in combination therewith in any manner that materially interferes with any person in the use of such person's Telecommunications Service, prevents any person from using its Telecommunications Service, materially impairs the quality of Telecommunications Service to other carriers or to either Party's Customers, causes electrical hazards to either Party's personnel, damage to either Party's equipment or malfunction of either Party's billing equipment. Upon such occurrence either Party may discontinue or refuse service, but only to the extent necessary to respond to such emergency.

19.8 Insurance. At all times during the term of this Agreement, each Party shall keep and maintain in force at its own expense the following minimum insurance coverage and limits and any additional insurance and/or bonds required by Applicable Law:

19.8.1 Workers' Compensation insurance with benefits afforded under the laws of each state covered by this Agreement and Employers Liability insurance with minimum limits of \$1,000,000 for Bodily Injury-each accident, \$500,000 for Bodily Injury by disease-policy limits and \$1,000,000 for Bodily Injury by disease-each employee.

19.8.2 Commercial General Liability insurance with minimum limits of: \$5,000,000 General Aggregate limit; \$2,500,000 each occurrence sub-limit for all bodily injury or property damage incurred in any one occurrence; \$2,500,000 each occurrence sub-limit for Personal Injury and Advertising; \$5,000,000 Products/Completed Operations Aggregate limit, with a \$2,500,000 each occurrence sub-limit for Products/Completed Operations. Fire Legal Liability sub-limits of \$2,500,000 are also required if this Agreement involves collocation. Each Party must be named as an Additional Insured on the other Party's Commercial General Liability policy, but only with respect to liability arising from the respective parties' operations for which they have assumed responsibility herein.

19.8.3 If use of an automobile is required, Automobile Liability insurance with minimum limits of \$1,000,000 combined single limits per occurrence for bodily injury and property damage, which coverage shall extend to all owned, hired and non-owned vehicles. Each policy shall contain a waiver of subrogation with respect to property damage, only, in favor of the other Party.

19.8.4 Each Party shall require subcontractors providing services under this Agreement to maintain reasonable types and amounts of insurance coverage. Each Party shall inform the other Party of those requirements upon request. If either Party believes the other Party's required amounts are commercially inadequate, either Party may submit the dispute to Dispute Resolution under **Section 28.3** of this Agreement.

19.8.5 Except as respects either Party's captive insurance company, the Parties agree that companies affording the insurance coverages required under **Article XIX** shall have a rating of A- or better and a Financial Size Category rating of VII or better, as rated in the A.M. Best Key Rating Guide for Property and Casualty Insurance Companies. Both at the time of execution of this Agreement and prior to the expiration of any insurance policy required herein, each Party shall provide to the other Party a certificate of insurance evidencing such insurance coverage. To the extent that one Party is afforded coverage under an insurance policy of the other Party, the other Party's insurance policy shall be primary and non-contributory. Each party agrees to provide the other with at least thirty (30) days advance written notice of cancellation, material reduction or non-renewal of any of the insurance policies required herein. At any time that a Party relies on

such Party's captive insurance company to provide any of the coverages required hereunder, such captive insurance company shall have a minimum net worth of \$15 million. In the case of such captive insurance company, the requirement of this **Section 19.8.5** to provide a certificate of insurance shall be complied with by providing the other Party with a copy of the most recent audited balance sheet of such captive insurance company.

19.8.6 Each Party agrees to provide the other Party with at least thirty (30) days advance written notice of cancellation, material reduction or non-renewal of any of the insurance policies required herein.

19.8.7 Each Party agrees to accept the other Party's program of self-insurance in lieu of insurance coverage if certain requirements are met. These requirements are as follows:

19.8.7.1 The Party desiring to satisfy its Workers' Compensation and Employers Liability obligations through self-insurance shall submit to the other Party a copy of its Certificate of Authority to Self-Insure its Workers' Compensation obligations issued by each state covered by this Agreement or the employer's state of hire; and

19.8.7.2 The Party desiring to satisfy its automobile liability obligations through self-insurance shall submit to the other Party a copy of the state-issued letter approving self-insurance for automobile liability issued by each state covered by this Agreement; and

19.8.7.3 The Party desiring to satisfy its general liability obligations through self-insurance must provide evidence acceptable to the other Party that it maintains at least an investment grade debt or credit rating as determined by a nationally recognized debt or credit rating agency such as Moody's, Standard and Poor's or Duff and Phelps.

19.8.8 For all locations other than those governed by 3D agreements between SBC-AMERITECH and AT&T, SBC-AMERITECH shall maintain All Risk Property Insurance with limits covering the full replacement value of the building and contents, other than the contents belonging to AT&T, on either an agreed amount or 100% coinsurance basis. This policy shall include a waiver of subrogation in favor of AT&T. SBC-AMERITECH shall have the right to self-insure this obligation, and agrees to waive any rights of recovery from AT&T.

19.9 Labor Relations. Each Party shall be responsible for labor relations with its own employees. Each Party agrees to notify the other Party as soon as practicable whenever such Party has knowledge that a labor dispute concerning its employees is delaying or threatens to delay such Party's timely performance of its obligations under this Agreement and shall endeavor to minimize impairment of service to the other Party (by using its management

personnel to perform work or by other means) in the event of a labor dispute to the extent permitted by Applicable Law.

19.10 Good Faith Performance. Each Party shall act in good faith in its performance under this Agreement and, in each case in which a Party's consent or agreement is required or requested hereunder, such Party shall not unreasonably withhold or delay such consent or agreement, as the case may be.

19.11 Responsibility to Customers. Each Party is solely responsible to its Customers for the services it provides to such Customers.

19.12 Unnecessary Facilities. No Party shall construct facilities which require another Party to build unnecessary facilities.

19.13 NXX Code Administration. Each Party is responsible for administering NXX codes assigned to it.

19.14 LERG Listings. Each Party is responsible for obtaining Local Exchange Routing Guide ("LERG") listings of CLLI codes assigned to its switches.

19.15 LERG Use. Each Party shall use the LERG published by Telcordia or its successor for obtaining routing information and shall provide all required information to Bellcore for maintaining the LERG in a timely manner.

19.16 Switch Programming. Each Party shall program and update its own Central Office Switches and End Office Switches and network systems to recognize and route traffic to and from the other Party's assigned NXX codes. Except as mutually agreed or as otherwise expressly defined in this Agreement, neither Party shall impose any fees or charges on the other Party for such activities.

19.17 OCNs. To the extent it has not been previously provided to SBC-AMERITECH, on the date of AT&T's signature of this Agreement, AT&T shall provide SBC-AMERITECH with AT&T's national OCN for Resale Services and its Michigan state-specific OCN for facilities-based services (Interconnection and/or Unbundled Network Elements).

19.18 Transport Facilities. Each Party is responsible for obtaining transport facilities sufficient to handle traffic between its network and the other Party's network. Each Party may provide the facilities itself, order them through a third party, or order them from the other Party.

19.19 Change of Name.

19.19.1 In the event that either Party makes any corporate name change that would require a change in OCN/AECN, or makes or accepts a transfer or

assignment of interconnection trunks or facilities that would require a change in OCN/ACEN, such Party will use best efforts to submit written notice to the other Party no later than thirty (30) days before such Party's change is fully implemented.

19.20 Deposits.

19.20.1 The deposit requirements set forth in this section apply to SBC-AMERITECH's providing the Resale Services and Network Elements (exclusive of interconnection facilities) furnished under this Agreement. SBC-AMERITECH may, in order to safeguard its interests, require that AT&T, if it has a proven history of late payments or has not established a minimum of twelve consecutive months good credit history with SBC-AMERITECH, make a reasonable deposit to be held by SBC-AMERITECH as a guarantee of the payment of charges. For purposes of this provision, a Party shall not be deemed to have "a proven history of late payments" or "not established credit" based in whole or in part on the failure to pay amounts which such Party has properly disputed in good faith in accordance with all applicable provisions of **Sections 28.2 and 28.3**.

19.20.2 If AT&T is required in accordance with this **Section 19.20** to make a deposit payment and SBC-AMERITECH furnishes to AT&T both Resale Services and Network Elements under this Agreement, AT&T shall make two separate deposits where applicable, each calculated separately as set forth below.

19.20.3 Unless AT&T is not required to make a deposit payment as described in **Section 19.20.1** above, AT&T shall remit an initial cash deposit within thirty (30) days after written request by SBC-AMERITECH. This cash deposit will be held by SBC-AMERITECH as a guarantee of payment of charges billed to AT&T. If AT&T is not required to make a deposit payment as set forth in **Section 19.20.1** above, SBC-AMERITECH shall not require an initial deposit requirement; provided, however, that the terms and conditions set forth in **Section 19.20.1** and **Sections 19.20.4 through Section 19.20.10** of this Agreement shall continue to apply for the term of this Agreement and any extension(s) hereof. In determining whether AT&T has established the minimum twelve (12) months good credit history, AT&T's payment record for the most recent twelve (12) months occurring within the twenty-four (24) month period immediately prior to the Effective Date shall be considered.

19.20.4 So long as AT&T maintains timely compliance with its payment obligations, SBC-AMERITECH will not increase any deposit amount required. If AT&T fails to maintain timely compliance with its payment obligations, SBC-AMERITECH reserves the right to require additional deposit(s) determined in accordance with **Section 19.20.5** and **Section 19.20.6** through **Section 19.20.10** of this Agreement.

19.20.5 If during the first six (6) months of operations under this Agreement, AT&T has been sent by SBC-AMERITECH one valid delinquency notification letter (a letter notifying AT&T of charges that remain unpaid more than fifteen

(15) days past their due date, as defined in **Article XXVII**, where at least a portion of the charges addressed by the delinquency notification letter are not the subject of a dispute under **Article XXVIII**, the deposit amount for the service(s) subject to such delinquency notification letter shall be re-evaluated based upon AT&T's actual billing totals and shall be increased if AT&T's actual billing average for a two month period exceeds the deposit amount held.

19.20.6 Throughout the term of this Agreement and any extension(s) thereof, any time AT&T has been sent two (2) delinquency notification letters (letters notifying AT&T of charges that remain unpaid more than fifteen (15) days past their due date) by SBC-AMERITECH within the immediately preceding twelve (12) months, where at least a portion of the charges addressed by each delinquency notification letter are not the subject of a dispute under **Article XXVIII**, the deposit amount for the service subject to such delinquency notification letters shall be re-evaluated based upon AT&T's actual billing totals and shall be increased if AT&T's actual billing average for a two month period exceeds the deposit amount held.

19.20.7 Whenever AT&T's deposit is re-evaluated as specified in **Section 19.20.5** or **Section 19.20.6**, above, such deposit shall be calculated in an amount equal to the average billing to AT&T for Resale service and/or unbundled elements, as applicable, for a two month period. With respect to AT&T, the most recent three (3) months billing on all of AT&T's BANs or CBAS numbers, as applicable, for resale services or network elements shall be used to calculate AT&T's monthly average, which monthly average shall be multiplied by two (2) to arrive at the amount of deposit permitted by **Sections 19.20.5** and **19.20.6**.

19.20.8 Whenever a deposit is re-evaluated as specified in **Section 19.20.5** and **Section 19.20.6**, above, AT&T shall remit the additional deposit amount to SBC-AMERITECH within thirty (30) calendar days of receipt of written notification SBC-AMERITECH requiring such deposit.

19.20.9 The deposit requirements of this **Section 19.20** may be satisfied in whole or in part with an irrevocable bank letter of credit reasonably acceptable to SBC-AMERITECH. No interest shall be paid by SBC-AMERITECH for any portion of the deposit requirement satisfied by an irrevocable bank letter of credit.

19.20.10 The fact that SBC-AMERITECH holds a cash deposit or irrevocable bank letter of credit does not relieve AT&T from timely compliance with its payment obligations under this Agreement.

19.20.11 Any cash deposit held by SBC-AMERITECH shall be credited to AT&T's account during the month following the expiration of twelve (12) months after the cash deposit was remitted, so long as AT&T has not been sent more than one delinquency notification letter (as defined in **Section 19.20.5**) during the most recent twelve (12) months, in which case such cash deposit will be credited during the first rolling

twelve (12) month period in which AT&T has been sent less than two delinquency notifications. For the purposes of this **Section 19.20.11**, interest will be applied from the date paid and calculated as defined in **Sections 27.13.1** and **27.13.2** to CRIS and non-CRIS billed charges, as applicable, above, and shall be credited to AT&T's account on an annual basis.

19.20.12 Any cash deposit shall be held by SBC-AMERITECH as a guarantee of payment of charges billed to AT&T, provided, however, SBC-AMERITECH may exercise its right to credit any cash deposit to AT&T's account upon the occurrence of any one of the following events:

19.20.12.1 when SBC-AMERITECH sends AT&T the second valid delinquency notification under this Agreement during the most recent twelve (12) months (provided that a delinquency notification shall be deemed valid if no dispute has been filed under **Article XXVIII** as to any amount covered by the delinquency notice); or

19.20.12.2 when SBC-AMERITECH suspends AT&T's ability to process orders in accordance with **Section 27.14**; or

19.20.12.3 when AT&T files for protection under the bankruptcy laws; or

19.20.12.4 when an involuntary petition in bankruptcy is filed against AT&T and is not dismissed within sixty (60) days; or

19.20.12.5 when this Agreement expires or terminates (provided, upon expiration or termination of this Agreement, any deposit monies not applied under this Agreement against charges payable by AT&T shall be refunded to AT&T by SBC-AMERITECH);

19.20.12.6 during the month following the expiration of twelve (12) months after that cash deposit was remitted, SBC-AMERITECH shall credit any cash deposit to AT&T's account so long as SBC-AMERITECH has not sent to AT&T more than one delinquency notification letter under this Agreement during the most recent twelve (12) months; or

19.20.12.7 upon mutual agreement of the Parties.

19.20.13 Assuming that the previous payment and credit history of a Party (a "**Requesting Party**") justifies doing so, upon request the other Party (the "**Acknowledging Party**") will issue a written acknowledgement that the Requesting Party satisfies the condition that the Requesting Party does not have a proven history of late payments and that it has established a minimum of twelve consecutive months good credit history with the Acknowledging Party. Such an acknowledgement, whenever given, shall not be barred by **Article XXXIV** ("Entire Agreement"), below, and shall be enforceable

pursuant to its own terms. Such an acknowledgement shall not be required in order for a Party to meet the conditions necessary to avoid imposition of a deposit requirement under this Agreement, assuming it otherwise meets the conditions.

19.21 Except as expressly set forth in this Agreement, each Party will be solely responsible for its own expenses related to the matters covered by this Agreement.

ARTICLE XX PROPRIETARY INFORMATION

20.0 Proprietary Information.

20.1 Definition of Proprietary Information.

20.1.1 “Proprietary Information” means:

- (a) all proprietary or confidential information of a Party (a **“Disclosing Party”**) including specifications, microfilm, photocopies, magnetic disks, magnetic tapes, employee records, financial reports, market data, drawings, sketches, business information, forecasts, records (including each Party's records regarding Performance Benchmarks), Customer Proprietary Network Information, Customer Usage Data, audit information, models, samples, data, system interfaces, computer programs and other software and documentation that is furnished or made available or otherwise disclosed to the other Party or any of such other Party's Affiliates (individually and collectively, a **“Receiving Party”**) pursuant to this Agreement and, if written, graphic, electromagnetic, or other tangible form is marked “Confidential” or “Proprietary” or by other similar notice or if oral or visual, is identified as “Confidential” or “Proprietary” at the time of disclosure; or communicated orally and declared to the Receiving Party at the time of delivery to be "Confidential" or "Proprietary", and which shall be summarized in writing and marked "Confidential" or "Proprietary" and delivered to the Receiving Party within ten (10) days following such disclosure; and
- (b) any portion of any notes, analyses, data, compilations, studies, interpretations or other documents prepared by any Receiving Party to the extent the same contain, reflect, are derived from, or are based upon, any of the information described in subsection (a) above, unless such information contained or reflected in such notes, analyses, etc. is so commingled with the Receiving Party's information that disclosure could not possibly disclose the underlying proprietary or confidential information (such portions of such notes, analyses, etc. referred to herein as **“Derivative Information”**).

20.1.2 The Disclosing Party will use its reasonable efforts to follow its customary practices regarding the marking of tangible Proprietary Information as “confidential,” “proprietary,” or other similar designation. The Parties agree that the designation in writing by the Disclosing Party that information is confidential or proprietary shall create a presumption that such information is confidential or proprietary to the extent

such designation is reasonable. Each Party shall have the right to correct an inadvertent failure to identify information as Proprietary Information by giving written notification within thirty (30) days after the information is disclosed. The Receiving Party shall, from that time forward, treat such information as Proprietary Information.

20.1.3 Notwithstanding the requirements of this Article XX, all information relating to the Customers of a Party, including information that would constitute Customer Proprietary Network Information of a Party pursuant to the Act and FCC rules and regulations, and Customer Usage Data, whether disclosed by one Party to the other Party or otherwise acquired by a Party in the course of the performance of this Agreement, shall be deemed **“Proprietary Information.”**

20.2 Disclosure and Use.

20.2.1 Each Receiving Party agrees that from and after the Effective Date:

- (a) all Proprietary Information communicated, whether before, on or after the Effective Date, to it or any of its contractors, consultants or agents (**“Representatives”**) in connection with this Agreement shall be held in confidence to the same extent as such Receiving Party holds its own confidential information; provided that such Receiving Party or Representative shall not use less than a reasonable standard of care in maintaining the confidentiality of such information;
- (b) it will not, and it will not permit any of its employees, Affiliates or Representatives to disclose such Proprietary Information to any third person;
- (c) it will disclose Proprietary Information only to those of its employees, Affiliates and Representatives who have a need for it in connection with the use or provision of services required to fulfill this Agreement; and
- (d) it will, and will cause each of its agents, employees, Affiliates and Representatives to use such Proprietary Information only to perform its obligations under this Agreement or to use services provided by the Disclosing Party hereunder and for no other purpose, including its own marketing purposes.

20.2.2 A Receiving Party may disclose Proprietary Information of a Disclosing Party to its Representatives who need to know such information to perform their obligations under this Agreement; provided that before disclosing any Proprietary Information to any Representative, such Party shall notify such Representative of such person's obligation to comply with this Agreement. Any Receiving Party so disclosing Proprietary Information shall be responsible for any breach of this Agreement by any of its

Representatives and such Receiving Party agrees, at its sole expense, to use its reasonable efforts (including court proceedings) to restrain its Representatives from any prohibited or unauthorized disclosure or use of the Proprietary Information. Each Receiving Party making such disclosure shall notify the Disclosing Party as soon as possible if it has knowledge of a breach of this Agreement in any material respect. A Disclosing Party shall not disclose Proprietary Information directly to a Representative of the Receiving Party without the prior written authorization of the Receiving Party.

20.2.3 Proprietary Information shall not be reproduced by any Receiving Party in any form except to the extent: (i) necessary to comply with the provisions of **Section 20.3**, and (ii) reasonably necessary to perform its obligations under this Agreement. All such reproductions shall bear the same copyright and proprietary rights notices as are contained in or on the original.

20.2.4 This **Section 20.2** shall not apply to any Proprietary Information which the Receiving Party can establish to have:

- (a) been disclosed by the Receiving Party with the Disclosing Party's prior written consent;
- (b) become generally available to the public other than as a result of disclosure by a Receiving Party;
- (c) been independently developed by an agent, employee representative or Affiliate of the Receiving Party by an individual who has not had knowledge of or direct or indirect access to such Proprietary Information;
- (d) been rightfully obtained by the Receiving Party from a third person without knowledge that such third person is obligated to protect its confidentiality; provided that such Receiving Party has no reasonable basis on which to inquire as to whether or not such information was subject to a confidentiality agreement at the time such information was acquired; or
- (e) been obligated to be produced or disclosed by Applicable Law; provided that such production or disclosure shall have been made in accordance with **Section 20.3**.

20.3 Government Disclosure.

20.3.1 If a Receiving Party desires to disclose or provide to the Commission, the FCC or any other governmental authority any Proprietary Information of the Disclosing Party, such Receiving Party shall, prior to and as a condition of such disclosure: (i) provide the Disclosing Party with written notice and the form of such proposed disclosure as

soon as possible but in any event early enough to allow the Disclosing Party to protect its interests in the Proprietary Information to be disclosed, and (ii) attempt to obtain in accordance with the applicable procedures of the intended recipient of such Proprietary Information an order, appropriate protective relief or other reliable assurance that confidential treatment shall be accorded to such Proprietary Information.

20.3.2 If a Receiving Party is required by any governmental authority or by Applicable Law to disclose any Proprietary Information, then such Receiving Party shall provide the Disclosing Party with written notice of such requirement as soon as possible and prior to such disclosure. Upon receipt of written notice of the requirement to disclose Proprietary Information, the Disclosing Party, at its expense, may then either seek appropriate protective relief in advance of such requirement to prevent all or part of such disclosure or waive the Receiving Party's compliance with this **Section 20.3** with respect to all or part of such requirement.

20.3.3 The Receiving Party shall use all commercially reasonable efforts to cooperate with the Disclosing Party in attempting to obtain any protective relief which such Disclosing Party chooses to seek pursuant to this **Section 20.3**. In the absence of such relief, if the Receiving Party is legally compelled to disclose any Proprietary Information, then the Receiving Party shall exercise all commercially reasonable efforts to preserve the confidentiality of the Proprietary Information, including cooperating with the Disclosing Party to obtain an appropriate order or other reliable assurance that confidential treatment will be accorded the Proprietary Information.

20.3.4 Notwithstanding any of the foregoing, a Receiving Party shall be entitled to disclose Proprietary Information on a confidential basis to regulatory agencies upon request for information as to the Receiving Party's activities under the Act. The Receiving Party need not provide prior written notice of such disclosure to the Disclosing Party if the Receiving Party has obtained an appropriate order for protective relief from regulatory agencies permitted by law to issue an order for protective relief, or other reliable assurance that confidential treatment shall be accorded to such Proprietary Information.

20.4 Ownership.

20.4.1 All Proprietary Information, other than Derivative Information, shall remain the property of the Disclosing Party, and all documents or other tangible media delivered to the Receiving Party that embody such Proprietary Information shall be, at the option of the Disclosing Party, either promptly returned to Disclosing Party or destroyed, except as otherwise may be required from time to time by Applicable Law (in which case the use and disclosure of such Proprietary Information will continue to be subject to this Agreement), upon the earlier of: (i) the date on which the Receiving Party's need for it has expired, and (ii) the expiration or termination of this Agreement (including any applicable Transition Period).

20.4.2 At the request of the Disclosing Party, any Derivative Information shall be, at the option of the Receiving Party, either promptly returned to the Disclosing Party or destroyed, except as otherwise may be required from time to time by Applicable Law (in which case the use and disclosure of such Proprietary Information will continue to be subject to this Agreement), upon the earlier of: (i) the date on which the Receiving Party's need for it has expired, and (ii) the expiration or termination of this Agreement (including any applicable Transition Period).

20.4.3 The Receiving Party may at any time either return to the Disclosing Party or destroy Proprietary Information.

20.4.4 If destroyed, all copies shall be destroyed and upon the written request of the Disclosing Party, the Receiving Party shall provide to the Disclosing Party written certification of such destruction. The destruction or return of Proprietary Information shall not relieve any Receiving Party of its obligation to treat such Proprietary Information in the manner required by this Agreement.

20.4.5 Pursuant to Section 222(b) of the Act, both Parties agree to limit their use of Proprietary Information received from the other to the permitted purposes identified in the Act.

20.4.6 Each Party has the right to refuse to accept any Proprietary Information under this Agreement, and nothing herein shall obligate either Party to disclose to the other Party any particular information.

ARTICLE XXI TERM AND TERMINATION

21.0 Term and Termination.

21.1 Effective Date, Term, and Termination.

21.1.1 Unless this Agreement is a successor agreement to an effective interconnection agreement between the Parties under Sections 251/252 of the Act, then the Effective Date of this Agreement shall be ten (10) calendar days after the Commission approves this Agreement under Section 252(e) of the Act or, absent such Commission approval, the date this Agreement is deemed approved under Section 252(e)(4) of the Act. If this Agreement is a successor agreement to an effective interconnection agreement between the Parties under Sections 251/252, then the Effective Date shall be the date upon which the Commission approves the Agreement under the Act, or absent such commission approval the date this Agreement is deemed approved under Section 252(e)(4) of the Act.

21.1.2 The initial term of this Agreement shall be three (3) years (the “**Initial Term**”) which shall commence on the Effective Date. Upon expiration of the Initial Term, this Agreement shall automatically remain in full force and effect, unless a Party delivers written notice, at least two hundred and seventy (270) days prior to the expiration of the Initial Term, to the other Party of its election not to renew this Agreement.

21.1.3 In the event that neither Party delivers written notice at least two hundred and seventy (270) days prior to the expiration date of the Initial Term of its election not to renew this Agreement, the Agreement will remain in full force and effect until it is replaced with a successor agreement, terminated or expires, pursuant to subsequent notice provided by either Party. Such subsequent notice to renegotiate or terminate the Agreement may be given by either Party at any time after the expiration of the Initial Term provided, however, that the effective date of the termination, expiration, or replacement of the existing Agreement with a successor agreement pursuant to this subsequent notice shall be no sooner than two hundred and seventy (270) days after the receipt of the notice, unless a different date is mutually agreed upon by the Parties. If negotiations for a successor agreement are not complete within such two hundred and seventy (270) day period, then the rates, terms and conditions of this Agreement shall continue in full force and effect in accordance with **Section 21.1.5**, below.

21.1.4 If either Party serves notice pursuant to **Sections 21.1.2** or **21.1.3**, AT&T shall have thirty (30) days to provide SBC-AMERITECH with written confirmation of whether AT&T wishes to pursue a successor agreement with SBC-AMERITECH or terminate its agreement. If AT&T wishes to pursue a successor agreement with SBC-AMERITECH, AT&T shall attach to its written confirmation, a written request to commence negotiations with SBC-AMERITECH under Sections 251/252 of the Act.

Upon receipt of AT&T's Section 252(a)(1) request, the Parties shall commence good faith negotiations on a successor agreement.

21.1.5 The rates, terms and conditions of this Agreement shall continue in full force and effect until, in accordance with the terms of this Article, a successor agreement is reached. If AT&T elects not to pursue a successor agreement with SBC-AMERITECH, the rates, terms and conditions of this Agreement shall continue in full force and effect until this Agreement expires or is terminated, provided, however, that both Parties will cooperate in the provision of Transitional Support as required by **Section 21.3**.

21.1.6 If at any time during the Section 252(a)(1) negotiation process, AT&T withdraws its Section 252(a)(1) request, AT&T must include in its notice of withdrawal a request to adopt a successor agreement under Section 252(i) of the Act or affirmatively state that AT&T does not wish to pursue a successor agreement with SBC-AMERITECH. If AT&T does not include in its notice of withdrawal either a request to establish a successor agreement under Section 252(i) of the Act or an affirmative statement that AT&T does not wish to pursue a successor agreement with SBC-AMERITECH, then its Agreement with SBC-AMERITECH will expire at the end of the Initial Term if the Section 252(a)(1) request is made during the Initial Term. If the Section 252(a)(1) request is made after the Initial Term, then the Agreement with SBC-AMERITECH will continue in full force and effect for a period of one hundred and twenty (120) days after the date AT&T provides the notice of withdrawal of its Section 252(a)(1) request, unless AT&T provides SBC-AMERITECH with notice of a Section 252(i) adoption in the interim.

21.1.7 If AT&T does not affirmatively confirm within thirty (30) days of a notice given by either Party pursuant to **Sections 21.1.2** or **21.1.3** of this Article that it wishes to pursue a successor agreement with SBC-AMERITECH, then its Agreement with SBC-AMERITECH will expire either: (i) at the end of the Initial Term, or (ii) if the Initial Term has ended, after a period of one hundred and twenty (120) days from the date thirty (30) days after such notice is given.

21.1.8 AT&T may terminate any service(s), Interconnection or Network Element(s) provided under this Agreement upon thirty (30) days prior written notice to SBC-AMERITECH, unless a different notice period or different conditions are specified in this Agreement for termination of such service(s), Interconnection, or Network Element(s), in which event such specific period and conditions shall apply.

21.2 Default.

When a Party believes that the other Party is in violation of a material term or condition of this Agreement ("**Defaulting Party**"), it shall provide written notice to such Defaulting Party of such violation prior to commencing the dispute resolution procedures set forth in **Section 28.3** and it shall be resolved in accordance with the procedures established in **Section 28.3**.

21.3 Transitional Support.

21.3.1 In the event of the expiration or termination of this Agreement for any reason, or in the event of a withdrawal of a Section 252(a)(1) request under **Section 21.1.6**, each Party agrees to maintain the level and quality of services still being provided by it as of the date of termination or expiration of this Agreement ("**Transition Date**"), and to cooperate reasonably in an orderly and efficient transition to a successor provider.

21.3.2 Each Party agrees to furnish services during a period of up to one-hundred and eighty (180) days (or such longer period as may be agreed upon by the Parties) after the Transition Date ("**Transition Period**") on terms and conditions and at charges that are the same as those in effect upon the Transition Date. During the Transition Period, SBC-AMERITECH and AT&T will cooperate in good faith to effect an orderly transition of service under this Agreement. SBC-AMERITECH and AT&T agree to exercise their respective reasonable efforts to avoid or minimize service disruptions or degradation in services during such transition.

21.4 Payment Upon Expiration or Termination.

In the case of the expiration or termination of this Agreement for any reason, or the termination of any service(s), Interconnection or Network Element(s) pursuant to **Section 21.1.8** of this Agreement, each of the Parties shall be entitled to payment for all services performed and expenses accrued or incurred prior to such expiration or termination; provided that a Party is entitled to recover such expenses under the provisions of this Agreement.

ARTICLE XXII
DISCLAIMER OF REPRESENTATIONS AND WARRANTIES

22.0 Disclaimer of Representations and Warranties.

22.1 Disclaimer. EXCEPT AS EXPRESSLY PROVIDED UNDER THIS AGREEMENT, NO PARTY MAKES OR RECEIVES ANY WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE INTERCONNECTION, RESALE SERVICES, NETWORK ELEMENTS, FUNCTIONS, FACILITIES, PRODUCTS AND SERVICES IT PROVIDES UNDER OR IS CONTEMPLATED TO PROVIDE UNDER THIS AGREEMENT AND EACH PARTY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, NEITHER SBC-AMERITECH NOR AT&T ASSUMES RESPONSIBILITY WITH REGARD TO THE CORRECTNESS OF DATA OR INFORMATION SUPPLIED BY THE OTHER WHEN THIS DATA OR INFORMATION IS ACCESSED AND USED BY A THIRD PARTY.

ARTICLE XXIII
CANCELLATION CHARGES

23.0 Cancellation Charges.

23.1 Cancellation Charges. Except as otherwise provided in this Agreement, pursuant to a Bona Fide Request or as otherwise provided in any applicable tariff or contract referenced herein, cancellation charges shall not be imposed upon, or payable by, either Party.

**ARTICLE XXIV
SEVERABILITY**

24.0 Severability.

24.1 Severability. If any provision of this Agreement shall be held to be illegal, invalid or unenforceable, each Party agrees that such provision shall be enforced to the maximum extent permissible so as to effect the intent of the Parties, and the validity, legality and enforceability of the remaining provisions of this Agreement shall not in any way be affected or impaired thereby. If necessary to effect the intent of the Parties, the Parties shall negotiate in good faith to amend this Agreement to replace the unenforceable language with enforceable language that reflects such intent as closely as possible.

ARTICLE XXV INDEMNIFICATION

25.0 Indemnification.

25.1 General Indemnity Rights. Each Party (the “**Indemnifying Party**”) shall defend and indemnify the other Party, its officers, directors, employees and permitted assignees (collectively, the “**Indemnified Party**”) and hold such Indemnified Party harmless against:

- (a) any Loss to a third person arising out of the negligent acts or omissions, or willful misconduct (“**Fault**”) by such Indemnifying Party or the Fault of its employees, agents and subcontractors; provided, however, that: (1) with respect to employees or agents of the Indemnifying Party, such Fault occurs while performing within the scope of their employment, (2) with respect to subcontractors of the Indemnifying Party, such Fault occurs in the course of performing duties of the subcontractor under its subcontract with the Indemnifying Party, and (3) with respect to the Fault of employees or agents of such subcontractor, such Fault occurs while performing within the scope of their employment by the subcontractor with respect to such duties of the subcontractor under the subcontract;
- (b) any Loss arising from such Indemnified Party’s use of Interconnection, Resale Services, Network Elements, functions, facilities, products and services offered under this Agreement, involving pending or threatened claims, actions, proceedings or suits (“**Claims**”), claims for libel, slander, or invasion of privacy, arising from the Indemnifying Party’s own communication.

The foregoing includes any Losses arising from disclosure, by the Indemnifying Party, in violation of Applicable Law, of any End User-specific information associated with either the originating or terminating numbers used to provision Interconnection, Resale Services, Network Elements provided on an unbundled basis, functions, facilities, products or services provided under this Agreement or disclosure otherwise committed by the Indemnifying Party or at the Indemnifying Party’s direction;

- (c) any and all penalties imposed upon the Indemnifying Party's failure to comply with the Communications Assistance to Law Enforcement Act of 1994 (“**CALEA**”) and, at the sole cost and expense of the Indemnifying Party, any amounts necessary to modify or replace any equipment, facilities or services provided to the Indemnified Party

under this Agreement to ensure that such equipment, facilities and services fully comply with CALEA; and

- (d) any Loss arising from such Indemnifying Party's failure to comply with Applicable Law.

25.2 A Party (for purposes of this Section 25.2 the “Reimbursing Party”) shall reimburse the other Party (for purposes of this Section 25.2 the “Reimbursed Party”) for property damage to the Reimbursed Party’s facilities to the extent such damage is caused by the acts or omissions of the Reimbursing Party, its agents, contractors or employees.

25.3 Intellectual Property Liability and Indemnification. The Parties’ indemnification obligations with respect to intellectual property are contained in Article XXX, Section 30.12.

25.3 Indemnification Procedures. Whenever a Claim shall arise for indemnification under this Article XXV, the relevant Indemnified Party, as appropriate, shall promptly notify the Indemnifying Party and request the Indemnifying Party to defend the same. Failure to so notify the Indemnifying Party shall not relieve the Indemnifying Party of any liability that the Indemnifying Party might have, except to the extent that such failure prejudices the Indemnifying Party's ability to defend such Claim. The Indemnifying Party shall have the right to defend against such liability or assertion in which event the Indemnifying Party shall give written notice to the Indemnified Party of acceptance of the defense of such Claim and the identity of counsel selected by the Indemnifying Party. Until such time as Indemnifying Party provides such written notice of acceptance of the defense of such Claim, the Indemnified Party shall defend such Claim, at the expense of the Indemnifying Party, subject to any right of the Indemnifying Party, to seek reimbursement for the costs of such defense in the event that it is determined that Indemnifying Party had no obligation to indemnify the Indemnified Party for such Claim. The Indemnifying Party shall have exclusive right to control and conduct the defense and settlement of any such Claims subject to consultation with the Indemnified Party. The Indemnifying Party shall not be liable for any settlement by the Indemnified Party unless such Indemnifying Party has approved such settlement in advance and agrees to be bound by the agreement incorporating such settlement. At any time, an Indemnified Party shall have the right to refuse a compromise or settlement and, at such refusing Party's cost, to take over such defense; provided that in such event the Indemnifying Party shall not be responsible for, nor shall it be obligated to indemnify the relevant Indemnified Party against, any cost or liability in excess of such refused compromise or settlement. With respect to any defense accepted by the Indemnifying Party, the relevant Indemnified Party shall be entitled to participate with the Indemnifying Party in such defense if the Claim requests equitable relief or other relief that could affect the rights of the Indemnified Party and also shall be entitled to employ separate counsel for such defense at such Indemnified Party's expense. If the Indemnifying Party does not accept the defense of any indemnified Claim as provided above, the relevant Indemnified Party shall have the right to employ counsel for such defense at the expense of the Indemnifying Party. Each Party agrees to cooperate and to cause its employees and agents to cooperate with the

other Party in the defense of any such Claim and the relevant records of each Party shall be available to the other Party with respect to any such defense, subject to the restrictions and limitations set forth in **Article XX**.

ARTICLE XXVI LIMITATION OF LIABILITY

26.0 Limitation of Liability.

26.1 Limited Responsibility. Each Party shall be responsible only for service(s) and facility(ies) which are provided by that Party, its authorized agents, subcontractors, or others retained by such parties, and neither Party shall bear any responsibility for the services and facilities provided by the other Party, its Affiliates, agents, subcontractors, or other persons retained by such parties. No Party shall be liable for any act or omission of another Telecommunications Carrier (other than an Affiliate) providing a portion of a service.

26.2 Apportionment of Fault. In the case of any Loss arising from the negligence or willful misconduct of both Parties, each Party shall bear, and its obligation shall be limited to, that portion of the resulting expense caused by its negligence or misconduct or the negligence or misconduct of such Party's Affiliates, agents, contractors or other persons acting in concert with it.

26.3 Limitation of Damages. Except for liability arising out of circumstances described in Schedule 9.2.8 (Sections 9.2.8.15.1 and 9.2.8.15.3), except for payments required under Article XXXII (Performance Measurements), and except for indemnity obligations under Article XXV, each Party's liability to the other Party for any Loss relating to or arising out of any negligent act or omission in its performance of this Agreement, whether in contract, tort or otherwise, shall be limited to the total amount properly charged to the other Party by such negligent or breaching Party for the service(s) or function(s) not performed or improperly performed. Notwithstanding the foregoing, in cases involving any Claim for a Loss associated with the installation, provision, termination, maintenance, repair or restoration of an individual Network Element or Combination as defined in Article IX or a Resale Service provided for a specific Customer of the other Party, the negligent or breaching Party's liability shall be limited to the greater of: (i) the total amount properly charged to the other Party for the service or function not performed or improperly performed, and (ii) the amount such negligent or breaching Party would have been liable to its Customer if the comparable retail service was provided directly to its Customer.

26.4 Limitations in Tariffs. Each Party may, in its sole discretion, provide in its tariffs and contracts with its Customers or third parties that relate to any service, product or function provided or contemplated under this Agreement that, to the maximum extent permitted by Applicable Law, such Party shall not be liable to such Customer or third party for: (i) any Loss relating to or arising out of this Agreement, whether in contract, tort or otherwise, that exceeds the amount such Party would have charged the applicable person for the service, product or function that gave rise to such Loss, and (ii) any Consequential Damages (as defined in Section 26.5). To the extent a Party elects not to place in its tariffs or contracts such limitation(s) of liability, and the other Party incurs a Loss as a result thereof, such Party shall indemnify and reimburse the other Party for that portion of the Loss that

would have been limited had the first Party included in its tariffs and contracts the limitation(s) of liability that such other Party included in its own tariffs at the time of such Loss.

26.5 Consequential Damages. In no event shall either Party have any liability whatsoever to the other Party for any indirect, special, consequential, incidental or punitive damages, including loss of anticipated profits or revenue or other economic loss in connection with or arising from anything said, omitted or done hereunder (collectively, “**Consequential Damages**”), even if the other Party has been advised of the possibility of such damages; provided that the foregoing shall not limit a Party's obligation under **Section 25.1** to indemnify, defend and hold the other Party harmless against any amounts payable to a third person, including any losses, costs, fines, penalties, criminal or civil judgments or settlements, expenses (including attorneys' fees) and Consequential Damages of such third person. For purposes of this **Section 26.5**, amounts due and owing to AT&T, if any, pursuant to the Article related to Performance Standards, Measurements and Penalties and the appendices referenced in that Article, shall not be considered to be Consequential Damages.

26.6 Remedies. Except as expressly provided herein, no remedy set forth in this Agreement is intended to be exclusive and each and every remedy shall be cumulative and in addition to any other rights or remedies now or hereafter existing under applicable law or otherwise.

ARTICLE XXVII BILLING

27.0 **Billing.**

27.1 **Introduction.**

27.1.1 This **Article XXVII** sets forth the terms and conditions on which the Parties shall bill all charges the Parties incur as a result of purchasing Network Elements, Resold Services or Interconnection functions, facilities, products and services, as set forth in this Agreement.

27.1.2 Charges for the relevant services billed under this **Article XXVII** are set forth herein, in the **Pricing Schedule** and in applicable tariffs or contracts referenced in this Agreement.

27.2 **Billing Information and Charges.**

27.2.1 SBC-AMERITECH will bill in accordance with this Agreement those charges AT&T incurs under this Article; e.g., charges for Resale services, Network Elements, Ancillary Services, and Interconnection. Each bill's charges will be formatted in accordance with CABS for charges for Network Elements ordered by AT&T and for Interconnection charges, or in accordance with Customer Records Information System ("CRIS") format for Resale services. If there are no industry-standard billing formats for the billing of another service provided under this Agreement, the billing format for such service will be determined by mutual agreement of the Parties. SBC-AMERITECH shall provide information on the invoices for each Billing Account Number ("BAN") sufficient to enable AT&T to identify for the Resale services or Network Elements being billed, the type of service ordered by AT&T and the usage to which the billed charges apply. Each CRIS bill, including Auxiliary Service Information, will set forth the quantity and description of Resale services provided and billed to AT&T. Each CABS bill will include a Customer Service Record ("CSR") and will set forth: (a) the quantity and description of each Network Element provided to AT&T, or (b) the usage and applicable rates billed for Interconnection.

27.2.1.1 SBC-AMERITECH agrees to accept, process and pay all bill invoices submitted by AT&T that are not CABS-compliant until such time as AT&T completes the conversion of the paper bill process in use as of April 1, 2000 to a CABS compliant process. AT&T shall use its reasonable best efforts to complete this conversion by January 1, 2001.

27.2.2 SBC-AMERITECH will provide AT&T a monthly bill that includes all charges incurred by and credits and/or adjustments due to AT&T pursuant to this Agreement. Each bill provided by SBC-AMERITECH to AT&T will include: (1) all non-

usage sensitive charges incurred for the period beginning with the day after the current bill date and extending to, and including, the next bill date, (2) any known unbilled non-usage sensitive charges for prior periods, providing they shall not exceed the periods set forth in **Section 27.2.3** below, (3) unbilled usage sensitive charges for the period beginning with the last bill date and extending up to, but not including, the current bill date, (4) any known unbilled usage sensitive charges for prior periods, providing they shall not exceed the periods set forth in **Section 27.2.3**, below, and (5) any known unbilled adjustments, providing they shall not exceed the periods set forth in **Section 27.2.3**, below, and (6) any Customer Service Record (“CSR”) for all recurring flat-rated charges.

27.2.2.1 SBC-AMERITECH shall bill AT&T for each Unbundled Network Element, Resold Service or Interconnection facilities, products or services supplied by SBC-AMERITECH to AT&T pursuant to this Agreement at the rates prescribed by this Agreement. SBC-AMERITECH will bill AT&T based on the actual charges incurred; provided, however, for those usage-based charges where actual charge information is not determinable by SBC-AMERITECH, the Parties will jointly develop a process to determine the appropriate charges. Measurement of usage-based charges shall be in actual conversation seconds, or fraction thereof, measured in one tenth (1/10) of one second increments. For purposes of billing charges, total conversation seconds, or fractions thereof, per chargeable traffic types will be totaled for the entire monthly bill cycle and then rounded up to the next whole minute.

27.2.2.2 AT&T may request that certain categories of charges be included in separate bills, for which AT&T will designate different billing addresses.

27.2.2.3 Except as otherwise specified in this Agreement, each Party shall be responsible for: (a) all costs and expenses it incurs in complying with its obligations under this Agreement, and (b) the development, modification, technical installation and maintenance of any systems or other infrastructure that it requires to comply with and to continue complying with its responsibilities and obligations under this Agreement.

27.2.2.4 Each Party shall provide the other Party, at no additional charge, a contact person to address billing questions or problems that may arise during the implementation and performance of the terms and conditions of this **Article XXVII**.

27.2.2.5 SBC-AMERITECH shall recognize AT&T as the customer of record for all Resold Service and will send all notices, bills and other pertinent information directly to AT&T, unless AT&T specifically requests otherwise. The bill will include sufficient data to enable AT&T to reconcile the billed charges with the recorded call information furnished in accordance with the requirements of **Section 27.10** of this Agreement.

27.2.3 A Party may send bills to the other Party containing amounts found to be unbilled or underbilled (“Backbill(s)”), as follows:

27.2.3.1 Except as provided in **Section 27.2.3.5** below, for erroneous failure to bill or underbilling of any charges incurred by a Party under this Agreement, the billing Party may submit a Backbill to the billed Party for charges incurred by the billed Party up to one hundred and twenty (120) days prior to the Backbill date. For the purposes of this **Section 27.2.3**, charges shall be deemed incurred for: (i) services charged on a usage-sensitive basis, upon the recording of such usage, and (ii) all other services, upon the first day of the billing cycle in which the billed Party used such service; or

27.2.3.2 For failure to bill or underbilling where data exchange with third party carriers is required, the billing Party may submit a Backbill to the billed Party for charges incurred by the billed Party up to one hundred and twenty (120) days prior to the Backbill date; or

27.2.3.3 Where a billing Party is required by regulatory agencies, arbitrators, courts, or legislatures to implement new pricing structures, the billing Party may submit to the billed Party, up to one hundred and twenty (120) days after the implementation date required in the regulatory action, the date of the final, non-appealable arbitration or order, or the effective date of the legislation or tariff (each such date hereinafter referred to as a "Governmental Requirement Date"), a Backbill for charges incurred by the billed Party as a result of, and since the applicable Governmental Requirement Date; or

27.2.3.4 Except as provided in **Section 27.2.3.5** below, neither Party will be liable for charges contained in Backbills that are sent outside the time periods defined in **Section 27.2.3.1** through **Section 27.2.3.3**.

27.2.3.5 A billing Party may send Backbills outside of the time periods defined in **Section 27.2.3.1** through **Section 27.2.3.3**, but otherwise subject to the limitations in this Agreement applicable to billing disputes, for charges incurred by the billed Party where the failure to bill or underbilling is caused solely by the acts, failure or refusal to act, errors or omissions of the billed Party, and the billed Party shall be liable for such Backbilled charges. Where such failure to bill or underbilling is caused in part by the billed Party and in part by the billing Party, the Parties may agree upon other time periods for Backbilling.

27.2.4 Each Party will provide the other Party at no additional charge a contact person for the handling of any billing questions or problems, including those arising from the Official Bill, that may arise during the implementation and performance of the terms and conditions of this Article.

27.2.4.1 Official Bill is the bill sent by the billing Party in a mechanized format and paper bills are "official" only when the established billing for a service is not in a mechanized format.

27.2.5 For CABS-billed services, SBC-AMERITECH will assign to AT&T a separate Billing Account Number (“**BAN**”) per each type of service (e.g., connectivity) per LATA.

27.2.6 For Resale services, SBC-AMERITECH will assign to AT&T a separate BAN per Regional Accounting Office (“**RAO**”) for consumer or residential and a separate BAN per RAO for business.

27.3 Issuance of Bills.

27.3.1 The Parties will issue all bills in accordance with the terms and conditions set forth in this Section. Each Party will establish monthly billing dates (Bill Date) for each BAN, which Bill Date will be the same day month to month. Each BAN will be provided in 13 alpha/numeric characters and will remain constant from month to month, unless changed as agreed to by the Parties. Each Party will provide the other Party at least thirty (30) calendar days written notice prior to changing, adding or deleting a BAN. As applicable to CABS, each Party will provide one invoice associated with each BAN. Each invoice must contain an invoice number (which will vary from month to month). All bills must be received by AT&T no later than ten (10) calendar days from Bill Date and at least twenty (20) calendar days prior to the payment due date (as described in this Article), whichever is earlier. Any bill received on a Saturday, Sunday or a day designated as a holiday by the Chase Manhattan Bank of New York (or such other bank as the Parties may agree) will be deemed received the next business day. If either Party fails to receive billing data and information within the time period specified above, the payment due date will be extended by the number of days the bill is late.

27.3.2 All bills that are in CABS format, shall contain billing data and information in accordance with CABS Version 31.0 or such later versions of CABS as are published by Telcordia Technologies, Inc., or its successor. To the extent that there are no CABS standards governing the formatting of certain data, such data will be issued in the format agreed by the Parties by thirty (30) days after the Effective Date of the Agreement.

27.3.3 If either Party requests an additional copy(ies) of a bill, the requesting Party will pay the other Party a reasonable fee per additional copy(ies), unless such copy(ies) was requested due to errors, omission or corrections, or the failure of the original transmission to comply with the specifications set forth in this Article.

27.3.4 To avoid transmission failures or the receipt of billing information that cannot be processed, the Parties will provide each other with their respective process specifications and edit requirements. The Parties will provide one another reasonable (within three (3) business days) notice if a billing transmission is received that does not meet the specifications in this Article. Such transmission will be corrected and resubmitted to the billed Party, at the billing Party’s sole expense, in a form that meets the specifications. The payment due date for such resubmitted transmissions will be twenty

(20) days from the date that the transmission is received in a form that can be processed and that meets the specifications set forth in this Article.

27.4 Electronic Transmissions.

27.4.1 At AT&T's request, SBC-AMERITECH will transmit billing information and data via Connect:Direct (formerly known as Network Data Mover) to AT&T at the location specified by AT&T. The Parties agree that a T1.5 or 56kb circuit to Gateway for Connect:Direct is required. AT&T data centers will be responsible for originating the calls for data transmission via switched 56kb or T1.5 lines. If SBC-AMERITECH has an established Connect:Direct link with AT&T, that link can be used for data transmission if the location and applications are the same for the existing link. Otherwise, a new link for data transmission must be established. When electronic transmission is established by mutual agreement, SBC-AMERITECH must provide AT&T/Alpharetta its Connect:Direct Node ID and corresponding VTAM APPL ID before the first transmission of data via Connect:Direct. AT&T's Connect:Direct Node ID is "NDMATTA4" and VTAM APPL ID is "NDMATTA4" and must be included in SBC-AMERITECH's Connect:Direct software. AT&T will supply to SBC-AMERITECH its RACF ID and password before the first transmission of data via Connect:Direct. Any changes to either Party's Connect:Direct Node ID must be sent to the other Party no later than twenty-one (21) calendar days before the changes take effect.

27.4.2 The following dataset format will be used as applicable for those charges transmitted via Connect:Direct in CABS format:

Production Dataset

AF25.AXXXXYYY.AZZZ.DDDEE	Production Dataset Name
AF25 =	Job Naming Convention
XXXXX =	Numeric Company Code
YYY =	SBC-AMERITECH Remote
AZZZ =	RAO (Revenue Accounting Office)
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)
EE =	thru 31 (Bill Period) (optional) Or GA (US Postal-State Code)

Test Dataset

AF25.ATEST.AXXXX.DDD	Test Dataset Name
AF25.ATEST =	Job Naming Convention
AXXXX =	Numeric Company Code
DDD =	BDT (Billing Data Tape with or without CSR) Or CSR (Customer Service Record)

27.5 Tape Or Paper Transmissions.

27.5.1 In the event either Party does not have Connect:Direct capabilities upon the effective date of this Agreement, such Party agrees to establish Connect:Direct transmission capabilities with the other Party within the time period mutually agreed and at the establishing Party's expense. Until such time, the Parties will transmit billing information to each other via magnetic tape or paper (as agreed to by AT&T and SBC-AMERITECH). Billing information and data contained on magnetic tapes or paper for payment will be sent to the Parties at the locations below, unless other locations are designated by the respective Party. The Parties acknowledge that all tapes transmitted to the other Party via US Mail or Overnight Delivery and which contain billing data will not be returned to the sending Party.

	TO AT&T	TO SBC-AMERITECH
Tape Transmissions via U.S. Mail:	AT&T 300 North Point Parkway FLOC 217M01 Alpharetta, Georgia 30005 Attn: AC&R Access Bill Coordinator	Technical Architect 7222 N. Broadway Room 7M149A Milwaukee, WI 53202
Tape Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404 Alpharetta, Georgia 30005 Attn: AC&R Access Bill Coordinator	Technical Architect 7222 N. Broadway Room 7M149A Milwaukee, WI 53202
Paper Transmissions via U.S. Mail:	AT&T Caller Service 6908 Alpharetta, Georgia 30009 Attn: AC&R Access Bill Coordinator	Technical Architect 7222 N. Broadway Room 7M149A Milwaukee, WI 53202
Paper Transmissions via Overnight Delivery:	AT&T 500 North Point Parkway FLOC B1404	Technical Architect 7222 N. Broadway Room 7M149A

	Alpharetta, Georgia 30005 Attn: AC&R Access Bill Coordinator	Milwaukee, WI 53202

27.5.2 Each Party will adhere to tape packaging practices that will prevent data damage.

27.5.3 All billing data transmitted via tape must be provided on a cartridge (cassette) tape and must be of high quality, conform to the Parties' record and label standards, 9-track, odd parity, 6250 BPI, group coded recording mode and extended binary-coded decimal interchange code ("EBCDIC"). Each reel of tape must be one hundred percent (100%) tested at twenty percent (20%) or better "clipping" level with full width certification and permanent error free at final inspection. AT&T reserves the right to destroy a tape that has been determined to have unrecoverable errors. AT&T also reserves the right to replace a tape with one of equal or better quality.

27.5.4 For CABS, billing data tapes shall have the following record and label standards. The dataset serial number on the first header record of an IBM standard tape label also shall have the following format.

	CABS BOS	SECAB
Record Length	225 bytes (fixed length)	250 bytes (fixed length)
Blocking factor	84 records per block	84 records per block
Block size	18,900 bytes per block	18,900 bytes per block
Labels	Standard IBM Operating System	Standard IBM Operating System

27.5.5 A single 6-digit serial number must appear on the external (flat) surface of the tape for visual identification. This number shall also appear in the "dataset serial number field" of the first header record of the IBM standard tape label. This serial number shall consist of the character "V" followed by the reporting location's four digit Originating Company Code and a numeric character chosen by the sending company. The external and internal label shall be the same. The dataset name shall appear on the flat side of the reel and also in the "data set name field" on the first header record of the IBM standard tape label. LEC's name, address, and contact shall appear on the flat side of the cartridge or reel.

27.5.6 Billing tape labels will conform to the following OBF standards, as the same may change from time to time. Tape labels shall conform to IBM OS/VS Operating System Standards contained in the IBM Standard Labels Manual (GC26-3795-3). IBM standard labels are 80-character records recorded in EBCDIC, odd parity. The first four characters identify the labels:

Volume 1	Volume label
HDR1 and HDR2	Data set header labels
EOV1 and EOV2	Data set trailer labels (end-of-volume for multi-reel files)
EOF1 and EOF2	Data set trailer labels (end-of-data-set)

The HDR1, EOV1, and EOF1 labels use the same format and the HDR2, EOV2, and EOF2 labels use the same format.

27.6 Testing Requirements.

27.6.1 At least ninety (90) days prior to either Party sending a mechanized CABS bill for the first time via electronic transmission, or tape; or at least thirty (30) days prior to either Party changing mechanized formats; or at least ninety (90) days prior to either Party changing transmission mediums (e.g., from paper to mechanized), the billing Party will send bill data in the mechanized format according to this Article, for testing to ensure that the bills can be processed and that the bills comply with the requirements of this Article. SBC-AMERITECH shall also provide to AT&T's Company Manager, located at 500 North Point Parkway, FLOC B1104B, Alpharetta, Georgia 30302, the LEC's originating or state level company code so that it may be added to AT&T's internal tables at least thirty (30) calendar days prior to testing or a change in the LEC's originating or state level company code. AT&T will notify SBC-AMERITECH within the time period agreed to by the Parties if billing transmission testing fails to meet CABS/BOS specifications. SBC-AMERITECH shall make the necessary corrections within the time period agreed to with AT&T to ensure that billing transmissions testing meet CABS/BOS specifications. SBC-AMERITECH shall not send AT&T a mechanized CABS bill for Network Elements (except for testing) until such bills meet CABS/BOS specifications

27.6.2 After receipt of the test data the Party receiving the data will notify the Party sending the data if the billing transmission meets testing specifications. If the transmission fails to meet the agreed testing specifications, the Party sending the data will make the necessary corrections. At least three (3) sets of testing data must meet the mutually agreed testing specifications prior to either Party sending a mechanized production bill for the first time via electronic transmission. Thereafter, the billing Party may begin sending the billed Party mechanized production bills on the next Bill Date, or within ten (10) days, whichever is later.

27.6.3 For Resale services, during the testing period, SBC-AMERITECH shall transmit to AT&T Connectivity Billing data and information via paper transmission. Test tapes shall be sent to AT&T at the following location:

Test Tapes:	AT&T 500 North Point Parkway FLOC B1104B Alpharetta, Georgia 30005 Attn: Access Bill Testing Coordinator

27.7 Additional Requirements.

27.7.1 If SBC-AMERITECH transmits data in a mechanized format, SBC-AMERITECH will comply with the following specifications which are not contained in CABS or EDI/BOS guidelines but which are necessary for AT&T to process billing information and data:

- (a) The BAN will not contain embedded spaces or low values.
- (b) The Bill Date will not contain spaces or non-numeric values.
- (c) Each bill must contain at least one detail record.
- (d) Any "From" Date should be less than the associated "Thru" Date and neither date can contain spaces.
- (e) The invoice number must not have embedded spaces or low values.

27.8 Bill Accuracy Certification.

27.8.1 The Parties agree that in order to ensure the proper performance and integrity of the entire billing process, SBC-AMERITECH will be responsible and accountable for transmitting to AT&T an accurate and current bill. For the purposes of this Agreement, SBC-AMERITECH agrees to implement control mechanisms and procedures to render a bill that accurately reflects the services ordered and used by AT&T under this Agreement. Accordingly, at AT&T's option on a connectivity by connectivity basis, AT&T and SBC-AMERITECH agree for the purposes of this Agreement to jointly develop a process and methodology for bill certification.

27.9 Meetpoint Billing – Facilities Based.

27.9.1 AT&T and SBC-AMERITECH will establish and maintain meet-point billing ("MPB") arrangements in accordance with the Meet Point Billing guidelines adopted by and contained in the OBF's MECAB and MECOD documents, except as modified herein. Each Party will maintain provisions in its respective federal and state access tariffs, and/or provisions within the National Exchange Carrier Association ("NECA") Tariff No. 4, or any successor tariff to reflect the MPB arrangements identified in this Agreement, including MPB percentages.

27.9.2 AT&T and SBC-AMERITECH will implement the Multiple Bill/Single Tariff option. As described in the MECAB document, each Party will render a bill in accordance with its own tariff for that portion of the service it provides.

27.9.3 In the case of tandem routing, the tandem company will provide to the end office company the billing name, billing address, and carrier identification code (“**CIC**”) of the Interexchange Carriers (“**IXCs**”) in order to comply with the MPB Notification process as outlined in the MECAB document. Such information will be provided, on a one-time basis, in the format and via the medium that the Parties agree. In the event that the end office company is unable to ascertain the IXC to be billed, the tandem company will work with the end office company to identify the proper entity to be billed.

27.9.4 SBC-AMERITECH and AT&T will record and transmit MPB information in accordance with the standards and in the format set forth in this Article . SBC-AMERITECH and AT&T will coordinate and exchange the billing account reference (“**BAR**”) and billing account cross reference (“**BACR**”) numbers for the MPB arrangements described in this Agreement. Each Party will notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

27.9.5 Each Party will provide access usage records (“**AURs**”) to the other Party within ten (10) business days of the recording. The initial billing company will provide the summary usage records (“**SURs**”) to the subsequent billing company within ten (10) business days of sending initial billing company bills to the IXC. Neither Party will compensate the other for this record exchange. The details of record exchange are set forth in Section 27.10 of this Article XXVII.

27.9.5.1 The subsequent billing company will provide the initial billing company with the Switched Access Detail Usage Data (category 1101XX records) on magnetic tape or via such other media as the Parties may agree to, no later than ten (10) business days after the date the usage occurred. The subsequent billing company will send such data to the location specified by the initial billing company.

27.9.5.2 The initial billing company will provide the subsequent billing company with the Switched Access Summary Usage Data (category 1150XX records) on magnetic tape or via such other media as the Parties may agree to, no later than ten (10) business days after the date of its rendering of the bill to the relevant IXC, which bill shall be rendered no less frequently than monthly. The initial billing company will send such data to the location specified by the subsequent billing company.

27.9.6 Both Parties will provide the other a single point of contact to handle any MPB questions and will not charge for billing inquiries.

27.10 Recording. The Parties shall record call information in accordance with this subsection. To the extent technically feasible, the Parties shall record all available call detail information associated with calls originated or terminated to the other Party.

27.10.1 SBC-AMERITECH will record all IXC transported messages for CLEC carried over all Feature Group Switched Access Services that are available to SBC-AMERITECH provided recording equipment or operators. Unavailable messages (i.e., certain operator messages that are not accessible by SBC-AMERITECH - provided equipment or operators) will not be recorded. The recording equipment will be provided at locations selected by SBC-AMERITECH.

27.10.1.1 SBC-AMERITECH will perform assembly and editing, message processing and provision of applicable access usage record detail for IXC transported messages if the messages are recorded by SBC-AMERITECH .

27.10.1.2 Assembly and editing will be performed on all IXC transported messages recorded by SBC-AMERITECH, during the billing period established by SBC-AMERITECH and selected by AT&T. Standard EMR record formats for the provision of billable message detail and access usage record detail will be established by SBC-AMERITECH and provided to AT&T.

27.10.1.3 Recorded billable message detail and access usage record detail will not be sorted to furnish detail by specific end users, by specific groups of end users, by office, by feature group or by location.

27.10.1.4 SBC-AMERITECH will provide message detail to CLEC in data files, via data lines (normally a File Transfer Protocol), utilizing an 800 dial up or the Internet to receive and deliver messages or a network data mover facility, using software and hardware acceptable to both Parties.

27.10.2 SBC-AMERITECH as the Recording Company, agrees to provide recording, assembly and editing, message processing and provision of message detail for Access Usage Records (“**AURs**”) ordered/required by AT&T in accordance with this agreement on a reciprocal, no-charge basis. AT&T agrees to provide any and all Summary Usage Records (“**SURs**”) required by SBC-AMERITECH on a reciprocal, no-charge basis. The Parties agree that this mutual exchange of records at no charge to either Party shall otherwise be conducted according to the guidelines and specifications contained in the Multiple Exchange Carrier Access Billing (“**MECAB**”) document.

27.10.3 SBC-AMERITECH will provide AT&T valid lists and ongoing updates of all carrier identification codes (“**CIC**”) and associated billing information for each SBC-AMERITECH tandem to insure accurate billing in accordance with guidelines adopted by and contained in the Ordering and Billing Forum’s MECAB and MECOD documents.

27.10.4 Each EMR record transmitted by one Party to the other Party will contain a CIC.

27.10.4.1 If SBC-AMERITECH does not have a CIC for a local exchange carrier, CLEC or IXC for whom SBC-AMERITECH must transmit to AT&T Connectivity Billing records or information pursuant to this **Article XXVII**, SBC-AMERITECH will assist such carrier in obtaining a CIC expeditiously. Until such carrier obtains a CIC, SBC-AMERITECH will use SBC-AMERITECH's CIC on records for billing and payment submitted to AT&T with respect to such carrier. SBC-AMERITECH will obtain reimbursement for the respective charges from the appropriate carrier.

27.10.4.2 If AT&T does not have a CIC for a local exchange carrier, CLEC or IXC for whom AT&T must transmit to SBC-AMERITECH Connectivity Billing records or information pursuant to this **Article XXVII**, AT&T will assist such carrier in obtaining a CIC expeditiously. Until such carrier obtains a CIC, AT&T will use AT&T's CIC on records for billing and payment submitted to SBC-AMERITECH with respect to such carrier. AT&T will obtain reimbursement for the respective charges from the appropriate carrier.

27.10.5 Each Party shall provide the other Party, at no additional charge, a contact person for resolving any data exchange problems.

27.10.6 If, despite timely notification by one Party, the other Party fails to provide message detail due to loss, as a direct result of the other having lost or damaged tapes or incurred system outages while performing recording, assembly and editing, rating, message processing, and/or transmission of message detail, the Party failing to provide data ("non-providing Party") will estimate the volume of lost messages and associated revenue based on information available to it concerning the average revenue per minute for the average interstate and/or intrastate call. In such events, the non-providing Party's liability to the other Party shall be limited to one of the following two alternatives, from which the other Party may choose:

- 1) the granting of a credit adjusting amounts otherwise due from it equal to the estimated net lost revenue associated with the lost message detail; or
- 2) a direct reimbursement for such amount of estimated net lost revenue.

27.11 Mutual Compensation.

27.11.1 The Parties will bill each other reciprocal compensation in accordance with the standards and record exchange requirements set forth in this Agreement in the **Pricing Schedule** and in accordance with **Section 27.11.5**, below.

27.11.2 In SBC-AMERITECH, billing for mutual compensation will be provided in accordance with mutually agreed to CABS-like data content via current industry processes for mutual compensation, as described in **Section 27.3.2**, preceding.

27.11.3 Where a procedure has not already been set forth in this Article, the Parties will work cooperatively to establish, not later than thirty (30) days after the Effective Date of the Agreement, a method of billing, collecting and remitting for local charges which are billed and collected by one Party but earned by the other Party.

27.11.4 When AT&T is a local switch network element customer of SBC-AMERITECH, SBC-AMERITECH will calculate a third party switch originated mutual compensation statewide average revenue per access line which will be multiplied by AT&T's switch port count to arrive at AT&T's compensation for terminating traffic originated from a third party. SBC-AMERITECH will calculate each month's statewide average revenue/access line using that month's mutual compensation summary data and apply to each AT&T switch port in service to arrive at that month's compensation.

27.11.5 When AT&T is a local switch network element customer of SBC-AMERITECH, provision of records by SBC-AMERITECH for mutual compensation will be as specified in the Southwestern Bell Resale/Unbundled Network Elements Usage Extract User Guide Dated April 12, 2000, or as otherwise agreed to by the Parties.

27.12 Payment of Charges.

27.12.1 Subject to the terms of this Agreement, including but not limited to **Section 28.2** and **Section 28.3**, AT&T and SBC-AMERITECH will pay each other all rates and charges due and owing under this Agreement within thirty (30) calendar days from the Bill Date of an invoice or within twenty (20) calendar days from the date on which an invoice is received, whichever is later (the "Bill Due Date"); provided, the paying Party shall notify the billing Party in writing before the earlier of the two dates if it intends to avail itself of the "20 days from receipt" option. If the Bill Due Date is a Sunday or is a Monday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as the Parties agree), payment will be made the next business day. If the Bill Due Date is a Saturday or is on a Tuesday, Wednesday, Thursday or Friday that has been designated a bank holiday by the Chase Manhattan Bank of New York (or such other bank as the Parties agree), payment will be made on the preceding business day.

27.12.2 Each Party shall make all Payments in U.S. Dollars to the other Party via electronic funds credit transfers through the Automated Clearing House Association ("ACH") network to the financial institution designated by the Party receiving the payment. At least thirty (30) days prior to the first transmission of billing data and information for payment, SWBT will provide the name and address of its bank, its account and routing number and to whom billing payments should be made payable. If such banking information changes, each Party will provide the other Party at least sixty (60) days written notice of the change and such notice will include the new banking

information. AT&T and SWBT shall abide by the National Automated Clearing House Association (“NACHA”) Rules and Regulations. Each ACH credit transfer shall be received by the billing Party no later than the applicable Bill Due Date of each bill or interest will apply as provided in **Section 27.13** below. The Party receiving payment shall not be liable for any delays in receipt of funds or errors in entries caused by the paying Party or third parties, including the paying Party's financial institution. The paying Party is responsible for its own banking fees. Each Party will provide the other Party with a contact person for the handling of billing payment questions or problems.

27.12.2.1 SBC-AMERITECH and AT&T shall provide each other with remittance advices, providing detailed account information for proper application of the payment made by the paying Party. The remittance advice shall be transmitted electronically by 1:00 A.M. Eastern Time on the date the payment is effective, via an 820 EDI process, or, if the Parties agree, through the ACH network. Such process shall be utilized by the Parties beginning no later than three (3) months after the Effective Date of this Agreement, unless otherwise agreed between the Parties.

27.12.2.2 In the event AT&T receives multiple and/or other bills from SBC-AMERITECH that are payable on the same date, AT&T may remit one payment for the sum of all such bills payable to SBC-AMERITECH's bank account designated pursuant to **Section 27.12.2** and AT&T will provide SBC-AMERITECH with a payment advice pursuant to **Section 27.12.2.1**.

27.13 Late Payment Charges. If either Party fails to remit payment for any charges for services by the applicable due date, or if a payment or any portion of a payment is received by the billing Party from the paying Party after the applicable due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the billing Party as of the due date (individually and collectively, “**Past Due**”), then interest shall be assessed as follows in **Sections 27.13.1** and **27.13.2**, as applicable. No other late payment fee or charge applies to overdue amounts.

27.13.1 If any charge incurred under this Agreement is past due (including prior months' unpaid interest charges), such unpaid amounts shall bear interest from the applicable due date until paid. The interest rate applied to Past Due unpaid amounts billed out of any billing system other than the SBC-AMERITECH Customer Records Information System (“**CRIS**”) shall be the lesser of: (i) the rate used to compute the Late Payment Charge contained in the SBC-AMERITECH intrastate Michigan access services Commission-approved tariff, and (ii) the highest rate of interest that may be charged under applicable law, compounded daily from the applicable due date to and including the date that the payment is actually made and available.

27.13.2 If any charge incurred under this Agreement that is billed out of SBC-AMERITECH's CRIS is past due (including prior months' unpaid interest charges), such unpaid amounts shall bear interest from the applicable due date until paid. The interest rate applied to SBC-AMERITECH CRIS-billed Past Due unpaid amounts

shall be the lesser of (i) the rate used to compute the Late Payment Charge contained in the SBC-AMERITECH Michigan intrastate retail Commission-approved tariff governing Late Payment Charges to SBC-AMERITECH's retail end users that are business end users, and (ii) the highest rate of interest that may be charged under applicable law, compounded daily from the applicable due date to and including the date that the payment is actually made and available.

27.14 Termination for Nonpayment and Procedures for Disconnection.

27.14.1 Either Party may terminate this Agreement in the event of a Party's refusal or failure to pay all or any portion of any amount required to be paid to the other Party as and when due; provided, however, that the Party allegedly due payment: (1) notifies the other Party in writing of the amounts due pursuant to the notice provisions of this Agreement, (2) uses any dispute resolution process permitted under Section 28.3, (3) obtains a favorable final, nonappealable and nonreviewable ruling in that process, and (4) does not receive payment within thirty (30) calendar days of the date on which such ruling becomes nonappealable and nonreviewable.

27.14.2 Pending the resolution of any dispute raised in accordance with Section 28.3 of this Agreement, whether by settlement or by final and nonappealable arbitration award, ruling, order or judgment, each Party shall continue to perform all of its obligations under this Agreement, and shall not, based upon an act or omission that is the subject of the dispute that is pending resolution, exercise any right of termination or disconnection under this Section 27.14, unless otherwise directed by the other Party. Notwithstanding the foregoing, SBC-AMERITECH may disconnect Resale and/or UNE services provided under this Agreement for nonpayment, as set forth below.

27.14.3 Where AT&T has refused or failed to pay all or any portion of any amount required to be paid to SBC-AMERITECH for Resale and/or UNE services provided under this Agreement as and when due and payable and has not presented a dispute under Section 28.2 of this Agreement, the procedures for notice and disconnection as set forth in Sections 27.14.6 through 27.14.14, below shall apply.

27.14.4 Where AT&T has refused or failed to pay all or any portion of any amount required to be paid to SBC-AMERITECH for Resale and/or UNE services provided under this Agreement as and when due and payable and has presented a dispute as to those amounts (the "Previously Disputed Amounts") under Section 28.2.2 of this Agreement, but neither Party has sought or requested Formal Dispute Resolution under Section 28.3.3 of this Agreement, within sixty (60) days of the date of the letter initiating informal dispute resolution under Section 28.2.2 (the "Informal Dispute Period"), then SBC-AMERITECH shall notify AT&T and the Commission that unless the Previously Disputed Amounts are paid within sixteen (16) calendar days, the resale services and/or network elements furnished to AT&T under this Agreement for which the Previously Disputed Amounts are outstanding (i.e. delinquent) shall be disconnected. This notice shall further specify that any of AT&T's Resale end users that will be affected by such

disconnection shall be caused to be defaulted to SBC-AMERITECH local service. On the same day it sends the notice letter required by this **Section 27.14.4**, SBC-AMERITECH will suspend acceptance of any order (other than a disconnect order) from AT&T for any resale service or network element that could be furnished under this Agreement. Furthermore, the provisions of **Sections 27.14.8 through 27.14.14** shall apply, but Sections containing specific time periods relative to the obligations shall be modified as follows:

- (i) In **Section 27.14.8**, the phrase “forty (40) calendar days past the due date of the undisputed Unpaid Charges” shall be modified to read “forty (40) days past the expiration of the 60-day Informal Dispute Period;”
- (ii) In **Section 27.14.9**, the phrase “forty-five (45) calendar days past the due date of such Unpaid Charges” shall be modified to read “forty-five (45) days past the expiration of the 60-day Informal Dispute Period;”
- (iii) In **Section 27.14.10**, the parenthetical “(fifty (50) calendar days past the due date for such undisputed Unpaid Charges)” shall be deleted;
- (iv) In **Section 27.14.11**, the parenthetical “(eighty (80) calendar days past the due date for AT&T’s undisputed Unpaid Charges)” shall be deleted.
- (v) Further, **Sections 27.14.8** through **27.14.14** shall be modified to read “Previously Disputed Amounts” where the phrase “Unpaid Charges” is found.

27.14.5 Where AT&T has refused or failed to pay all or any portion of any amount required to be paid to SBC-AMERITECH for Resale and/or UNE services provided under this Agreement as and when due and payable following the conclusion of any Formal Dispute Resolution process initiated by a Party or employed by the Parties pursuant to **Section 28.3.3** below, then, no sooner than fifteen (15) days after the Formal Dispute Resolution process has concluded, SBC-AMERITECH shall notify AT&T and the Commission that unless the amounts required to be paid to SBC-AMERITECH following the conclusion of the Formal Dispute Resolution process (“**FDR Amounts**”) are paid within sixteen (16) calendar days, the resale services and/or network elements furnished to AT&T under this Agreement for which the FDR Amounts are outstanding (i.e. delinquent) shall be disconnected. This notice shall further specify that any of AT&T’s Resale end users that will be affected by such disconnection shall be caused to be defaulted to SBC-AMERITECH local service. On the same day it sends the notice letter required by this **Section 27.14.5**, SBC-AMERITECH will suspend acceptance of any order (other than a disconnect order) from AT&T for any resale service or network element that could be furnished under this Agreement. For purposes of this **Section 27.14.5**, “conclusion” of the

Formal Dispute Resolution process initiated by a Party or employed by the Parties pursuant to **Sections 28.3**, above shall occur on the day any ruling, order or award in that process becomes final and nonappealable. Furthermore, the provisions of **Sections 27.14.8 through 27.14.14** shall apply, but Sections containing specific time periods relative to the obligations shall be modified as follows:

- (i) In **Section 27.14.8**, the phrase “forty (40) calendar days past the due date of the undisputed Unpaid Charges” shall be modified to read “forty (40) days past the conclusion of the Formal Dispute Resolution process;”
- (ii) In **Section 27.14.9**, the phrase “forty-five (45) calendar days past the due date of such Unpaid Charges” shall be modified to read “forty-five (45) days past the conclusion of the Formal Dispute Resolution process;”
- (iii) In **Section 27.14.10**, the parenthetical “(fifty (50) calendar days past the due date for such undisputed Unpaid Charges)” shall be deleted;
- (iv) In **Section 27.14.11**, the parenthetical “(eighty (80) calendar days past the due date for AT&T’s undisputed Unpaid Charges)” shall be deleted.
- (v) Further, **Sections 27.14.8 through 27.14.14** shall be modified to read “FDR Amounts” wherever the phrase “Unpaid Charges” is found.

27.14.6 If AT&T fails to pay when due, any and all charges, including any applicable interest, that are billed to AT&T for resale services and network elements furnished under this Agreement and are not disputed under **Section 28.2.2** (“Unpaid Charges”), and any portion of such Unpaid Charges remain unpaid after the due date, SBC-AMERITECH shall notify AT&T in writing that in order to avoid having service disconnected, AT&T must remit all such Unpaid Charges to SBC-AMERITECH. With respect to resale services and network elements, SBC-AMERITECH will notify AT&T that such Unpaid Charges remain unpaid fifteen (15) calendar days after the due date and that AT&T must remit payment within fourteen (14) calendar days from AT&T receipt of SBC-AMERITECH’s notice, except as otherwise provided in **Section 28.2.2**, governing bona fide billing disputes of unpaid amounts. No payment made by AT&T following notice by SBC-AMERITECH as provided in this Section shall prejudice or otherwise adversely affect AT&T’s right to dispute the Unpaid Charges, once paid, pursuant to **Section 28.2.1**, below.

27.14.7 If any undisputed Unpaid Charges for resale services or network elements remain unpaid twenty-nine (29) calendar days past the due date of such Unpaid Charges, SBC-AMERITECH shall notify AT&T and the Commission that unless

all such Unpaid Charges are paid within sixteen (16) calendar days, the resale services and network elements furnished to AT&T under this Agreement for which undisputed Unpaid Charges are outstanding (i.e., delinquent) shall be disconnected. This notice shall further specify that for any of AT&T's Resale end Users whose local service will be so disconnected, SBC-AMERITECH shall cause such Resale end Users to be defaulted to SBC-AMERITECH local service. On the same day that it sends the letter required by this **Section 27.14.7**, SBC-AMERITECH will suspend acceptance of any order (other than a disconnect order) from AT&T for any resale service or network element that could be furnished under this Agreement.

27.14.8 If any undisputed Unpaid Charges for resale services or network elements remain unpaid forty (40) calendar days past the due date of the undisputed Unpaid Charges, AT&T shall, at its sole expense, notify its end users and the Commission that the end users' service will be disconnected due to AT&T's failure to pay such Unpaid Charges, and that its end users must affirmatively select a new Local Service Provider within five (5) calendar days of the notice date. This notice shall also advise AT&T's Resale end users that SBC-AMERITECH may assume the end user's account at the end of the five (5) calendar day period should the end user fail to select a new Local Service Provider in the interim.

27.14.9 If any undisputed Unpaid Charges for resale services or network elements furnished to AT&T under this Agreement remain unpaid forty-five (45) calendar days past the due date of such Unpaid Charges, SBC-AMERITECH shall disconnect the resale services or network elements for which such undisputed charges remain unpaid. On the same date that such resale services are disconnected, SBC-AMERITECH shall cause Resale end users of the services disconnected in accordance with this Section that have not selected another local service provider to be transferred directly to SBC-AMERITECH's local service. To the extent available at retail from SBC-AMERITECH, the Resale end users transferred to SBC-AMERITECH's local service shall receive the same services provided through AT&T immediately prior to the time of transfer. SBC-AMERITECH shall inform the Commission of the names of all Resale end users transferred through this process. Applicable conversion charges and service establishment charges prescribed by this Agreement for transferring Resale end users from AT&T to SBC-AMERITECH as specified in this **Section 27.14.9** shall be billed to, and paid by, AT&T.

27.14.10 Within five (5) calendar days after the transfer (fifty (50) calendar days past the due date for such undisputed Unpaid Charges), SBC-AMERITECH shall notify all transferred Resale end users that because of AT&T's failure to pay SBC-AMERITECH, their local service is now being provided by SBC-AMERITECH. SBC-AMERITECH shall also notify each transferred Resale end user that the Resale end user has thirty (30) calendar days to select a new Local Service Provider.

27.14.11 If any Resale end user transferred to SBC-AMERITECH's local service pursuant to **Section 27.14.9** of this Agreement fails to select a new Local

Service Provider within thirty (30) calendar days of the transfer to SBC-AMERITECH's local service (eighty (80) calendar days past the due date for AT&T's undisputed Unpaid Charges), SBC-AMERITECH shall terminate that Resale end user's service. SBC-AMERITECH shall notify the Commission of the names of all such end users whose service has been terminated pursuant to this **Section 27.14.11**. The transferred Resale end user shall be responsible for any and all charges incurred during the selection period.

27.14.12 SBC-AMERITECH may discontinue service to AT&T as provided in **Section 27.14.9** of this Agreement only after SBC-AMERITECH has sent all notices it is required to send as provided in **Article XXVIII**, if any, and this **Section 27.14**, and shall have no liability to AT&T or AT&T's end users in the event of such disconnection.

27.14.13 Nothing in this Agreement shall be interpreted to obligate SBC-AMERITECH to continue to provide service to any transferred end user beyond the thirty (30) calendar day selection period. Nothing herein shall be interpreted to limit any and all disconnection rights SBC-AMERITECH has with regard to such end users.

27.14.14 Once all notices SBC-AMERITECH is required to send under this **Section 27.14** have been sent, SBC-AMERITECH shall not be required to accept any order (other than a disconnect order) relating to resale services or network elements from AT&T until: (i) all undisputed Unpaid Charges for resale services and network elements under this Agreement are paid, and (ii) AT&T has furnished AMERITECH a deposit calculated pursuant to the terms and conditions of **Section 19.20** (Deposits) of **Article XIX** of this Agreement.

27.15 Customer Usage Data – Introduction.

27.15 This Section Customer Usage Data sets forth the terms and conditions for SBC-AMERITECH's provision of usage data (as defined in this Article) to AT&T. Usage Data will be provided by SBC-AMERITECH to AT&T when AT&T purchases Network Elements or Resale services from SBC-AMERITECH.

27.15.1 General Requirements for Customer Usage Data

27.15.1.1 SBC-AMERITECH's provision of Usage Data to AT&T will be in accordance with the Performance Metrics to be developed by AT&T and SBC-AMERITECH during and as part of the implementation and testing process. SBC-AMERITECH's performance based on such Performance Metrics will begin to be measured and reported at the time AT&T begins providing local service to customers, but SBC-AMERITECH's provision of Usage Data will not be required to meet such Performance Metrics until six (6) months after AT&T begins providing local services to customers.

27.15.1.2 SBC-AMERITECH will retain Usage Data as

specified in the Southwestern Bell Resale/Unbundled Network Elements Usage Extract User Guide Dated April 12, 2000, or as otherwise agreed to by the Parties, subject to applicable laws and regulations.

27.15.2 Customer Usage Data Specifications

27.15.2.1 SBC-AMERITECH will provide all usage data for AT&T's customers using the SBC-AMERITECH-provided Network Element(s) or Resale services. Usage Data includes, but is not limited to, the following categories of information:

- completed calls;
- use of CLASS/LASS/Custom Features;
- calls to information providers reached via SBC-AMERITECH facilities and contracted by SBC-AMERITECH;
- calls to directory assistance where SBC-AMERITECH provides such service to an AT&T customer;
- calls completed via SBC-AMERITECH-provided operator services where SBC-AMERITECH provides such service to AT&T's local service customer;
- records will include complete call detail and complete timing information for Network Elements and Resale services;
- Station-level detail for SBC-AMERITECH-provided CENTREX and PLEXAR families of services for Resale services.

SBC-AMERITECH will provide Usage Data for completed calls only for Network Elements that SBC-AMERITECH records (e.g., unbundled local switching, but not loops). SBC-AMERITECH will provide Usage Data for completed calls for Resale services offerings that SBC-AMERITECH records for itself (e.g., Local Measured Service.)

27.15.2.2 SBC-AMERITECH will provide to AT&T Usage Data for AT&T customers only. SBC-AMERITECH will not submit other carrier local usage data as part of the AT&T Usage Data.

27.15.3 Customer Usage Data Format

27.15.3.1 SBC-AMERITECH will provide Usage Data in the OBF Exchange Message Interface (“EMI”) format and by category, group and record type, as specified in the Southwestern Bell Resale/Unbundled Network Elements Usage Extract User Guide Dated April 12, 2000, or as otherwise agreed to by the Parties

27.15.3.2 SBC-AMERITECH will include the Working Telephone Number (“WTN”) of the call originator on each EMI call record.

27.15.3.3 End user customer usage records and station level detail records will be in packs in accordance with EMI standards.

27.15.3.4 For Resale services, SBC-AMERITECH will daily provide AT&T with daily recordings which will permit it to render end user bills. For Network Elements only, SBC-AMERITECH will daily provide AT&T with daily recordings that will permit it to render end user bills and interLATA and intraLATA access bills. All recordings pursuant to this Section will be as specified in the Southwestern Bell Resale/Unbundled Network Elements Usage Extract User Guide Dated April 12, 2000, or as otherwise agreed to by the Parties.

27.15.3.4.1 For the transmissions of such records, AT&T will pay to SBC-AMERITECH a per-record charge set forth in the **Pricing Schedule**.

27.15.4 Usage Data Reporting Requirements

27.15.4.1 SBC-AMERITECH will segregate and organize the Usage Data in a manner agreeable to both Parties.

27.15.4.2 SBC-AMERITECH will provide segregated Usage Data to AT&T locations as agreed to by the Parties.

27.15.4.3 SBC-AMERITECH will transmit formatted Usage Data to AT&T over Network Data Mover Network using CONNECT:Direct protocol, or otherwise agreed to by the Parties.

27.15.4.4 AT&T and SBC-AMERITECH will test and certify the CONNECT:Direct interface to ensure the accurate transmission of Usage Data.

27.15.4.5 SBC-AMERITECH will provide Usage Data to AT&T daily (Monday through Friday) on a daily time schedule to be determined by the Parties.

27.15.4.6 SBC-AMERITECH will establish a single point of contact to respond to AT&T call usage, data error, and record transmission inquiries.

27.15.4.7 Changes to the Usage Data EMI format, content, and transmission processes will be tested prior to implementation as mutually agreed by both Parties.

27.16 Alternatively Billed Calls-Resale Services and Network Elements.

27.16.1 Calls that are placed using the services of SBC-AMERITECH or another LEC or LSP and billed to a Resale service line or to an Network Element (e.g., switch port) of AT&T are called "Incollects." Calls that are placed using a AT&T Resale service line or Network Elements (e.g., switch port) and billed to a SBC-AMERITECH line or other LEC or LSP are called "Outcollects."

27.16.2 Outcollects: SBC-AMERITECH will provide to AT&T the unrated message detail that originates from an AT&T subscriber line but which is billed to a telephone number other than the originating number (e.g., calling card, bill-to-third number, etc.). SBC-AMERITECH has agreed to transmit such data on a daily basis. AT&T as the Local Service Provider ("LSP") will be deemed the earning company and will be responsible for rating the message at AT&T tariffed rates and AT&T will be responsible for providing the billing message detail to the billing company for end user billing. AT&T will be compensated by the billing company for the revenue it is due. A per-message charge for SBC-AMERITECH's transmission of Outcollect messages to AT&T is applicable, and SBC-AMERITECH will bill AT&T for the transmission charge set forth in the **Pricing Schedule**. In addition, for Resale services, AT&T will compensate SBC-AMERITECH for the receipt of the IntraLATA toll message.

27.16.3 Incollects: For messages that originate from a number other than the billing number and that are billable to AT&T customers ("Incollects"), SBC-AMERITECH will provide the rated messages it receives from the CMDS1 network or which SBC-AMERITECH records (non-ICS) to AT&T for billing to AT&T's end-users. SBC-AMERITECH will transmit such data on a daily basis. SBC-AMERITECH will credit AT&T the Billing and Collection ("B&C") fee set forth in the **Pricing Schedule** for billing the Incollects. AT&T and SBC-AMERITECH have stipulated that a per message charge for SBC-AMERITECH's transmission of Incollect messages to AT&T is applicable, and SBC-AMERITECH will bill AT&T for the transmission charge set forth in the **Pricing Schedule**.

27.17 Charges for Ancillary Functions.

27.17.1 Any SBC-AMERITECH charges for ancillary functions shall be billed consistent with the provisions of **Article XXVII** of this Agreement.

27.17.2 Any SBC-AMERITECH charges for ancillary functions must be specifically documented consistent with **Article XXVII** of this Agreement.

27.17.3 AT&T may request that certain of these charges for ancillary functions be included in separate connectivity bills sent to separately designated billing addresses.

ARTICLE XXVIII
AUDIT RIGHTS, DISPUTED AMOUNTS
AND DISPUTE RESOLUTION

28.0 Audit Rights, Disputed Amounts and Dispute Resolution.

28.1 Audit Rights.

28.1.1 Subject to the restrictions set forth in Article XX and except as may be otherwise specifically provided in this Agreement, a Party (“**Auditing Party**”) may audit the other Party's (“**Audited Party**”) books, records, data and other documents, as provided herein, once each Contract Year for the purpose of evaluating the accuracy of Audited Party's billing and invoicing. The scope of the audit shall be limited to the services provided and purchased by the Parties and the associated charges, books, records, data and other documents relating thereto for the period which is the shorter of: (i) the period subsequent to the last day of the period covered by the Audit which was last performed (or if no audit has been performed, the Effective Date), and (ii) the twenty-four (24) month period immediately preceding the date the Audited Party received notice of such requested audit. Such audit shall begin no fewer than thirty (30) days after Audited Party receives a written notice requesting an audit and shall be completed no later than thirty (30) days after the start of such audit. Such audit shall be conducted by an independent auditor acceptable to both Parties. The Parties shall select an auditor by the thirtieth day following Audited Party's receipt of a written audit notice. Auditing Party shall cause the independent auditor to execute a nondisclosure agreement in a form agreed upon by the Parties. Notwithstanding the foregoing, an Auditing Party may audit Audited Party's books, records and documents more than once during any Contract Year if the previous audit found previously uncorrected net variances or errors in invoices in Audited Party's favor with an aggregate value of at least two percent (2%) of the amounts payable by Auditing Party for audited services provided during the period covered by the audit.

28.1.2 Each audit shall be conducted on the premises of Audited Party during normal business hours. Audited Party shall cooperate fully in any such audit, providing the independent auditor reasonable access to any and all appropriate Audited Party employees and books, records and other documents reasonably necessary to assess the accuracy of Audited Party's bills. No Party shall have access to the data of the other Party, but shall rely upon summary results provided by the independent auditor. Audited Party may redact from the books, records and other documents provided to the independent auditor any confidential Audited Party information that reveals the identity of other Customers of Audited Party. Each Party shall maintain reports, records and data relevant to the billing of any services that are the subject matter of this Agreement for a period of not less than twenty-four (24) months after creation thereof, unless a longer period is required by Applicable Law.

28.1.3 If any audit confirms any undercharge or overcharge, then Audited Party shall: (i) for any overpayment promptly correct any billing error, including making

refund of any overpayment by Auditing Party in the form of a credit on the invoice for the first full billing cycle after the Parties have agreed upon the accuracy of the audit results, and (ii) for any undercharge caused by the actions of or failure to act by the Audited Party, immediately compensate Auditing Party for such undercharge, in each case with interest at the lesser of: (x) one and one-half percent (1½%) per month, and (y) the highest rate of interest that may be charged under Applicable Law, compounded daily, for the number of days from the date on which such undercharge or overcharge originated until the date on which such credit is issued or payment is made and available, as the case may be. Notwithstanding the foregoing, AT&T shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by SBC-AMERITECH to AT&T within ten (10) months of the date such usage was incurred.

28.1.4 Audits shall be at Auditing Party's expense, subject to reimbursement by Audited Party in the event that an audit finds, and the Parties subsequently verify, adjustment in the charges or in any invoice paid or payable by Auditing Party hereunder by an amount that is, on an annualized basis, greater than two percent (2%) of the aggregate charges for the audited services during the period covered by the audit.

28.1.5 Any Disputes concerning audit results shall be referred to the Parties' respective responsible personnel for informal resolution. If these individuals cannot resolve the Dispute within thirty (30) days of the referral, either Party may request in writing that an additional audit shall be conducted by an independent auditor acceptable to both Parties, subject to the requirements set out in **Section 28.1.1**. Any additional audit shall be at the requesting Party's expense.

28.2 Billing Disputes.

28.2.1 Billing Disputes Related to Paid Amounts.

28.2.1.1 In order for a Billed Party to dispute all or a portion of amounts it has previously paid, it must:

28.2.1.1.1 within eleven (11) months of AT&T's receipt of the bill* in question, give written notice to the Billing Party of the amounts it disputes ("Disputed Amounts") and include in such written notice the total amount disputed and the specific details and reasons for disputing each item (including, without limitation, and as applicable, the date of the bill in question, CBA/BAN number of the bill, the telephone number, customer code, circuit ID number or trunk number, and the USOC information questioned); and

* For purposes of this **Section 28.2.1.1.1**, a Billed Party may dispute all or portion of backbilled amounts previously paid within twelve (12) months of the date of issuance of the backbill.

28.2.1.1.2 follow the dispute resolution procedures set forth in **Section 28.2.3**.

28.2.1.2 If a Billed Party brings a dispute pursuant to this **Section 28.2**, and any portion of the dispute is resolved, at the conclusion of the applicable dispute resolution process pursuant to **Section 28.2.3** or **Section 28.3**, in favor of the Billed Party, the Billing Party shall, no later than the second bill date after the resolution of the dispute, for that portion of the paid Disputed Amounts resolved in favor of the Billed Party, including credit for interest assessed or applied with respect to such portion of the paid Disputed Amounts, if any, thereon. Such interest shall be computed under **Article XXVII, Section 27.13** as if such portion of the paid Disputed Amount became past due from the Billing Party on the same date the Disputed Amount was paid by the Billed Party.

28.2.2 Billing Disputes Related to Unpaid Disputed Amounts; Escrow Requirements.

28.2.2.1 If any portion of an amount due to a Party (the "Billing Party") under this Agreement is subject to a bona fide dispute between the Parties, the Party billed (the "Billed Party") shall, five (5) business days prior to the applicable due date, advise the Billing Party in writing of the amounts it disputes ("Disputed Amounts") and within ten (10) business days after the applicable due date give the Billed Party written notice of the amount disputed, specific details and reasons for disputing each item (including, without limitation, as applicable, the date of the bill in question, CBA/BAN number of the bill, the telephone number, customer code, circuit ID number or trunk number, the USOC information questioned), and pays to SBC-AMERITECH all undisputed unpaid charges by their applicable due date. The notice shall be identified as arising under this **Section 28.2.2**. All disputes must be in good faith and have a reasonable basis.

28.2.2.2 The Billed Party shall pay: (i) when due, all undisputed amounts to the Billing Party, and (ii) within thirty (30) days after its written notice of dispute, except as otherwise provided in **Section 28.2.2.4** below, place all Disputed Amounts into an interest bearing escrow account with a third party escrow agent mutually agreed upon by the Parties. To be acceptable, the third party escrow agent must meet all of the following criteria:

28.2.2.2.1 The financial institution proposed as the third party escrow agent must be located within the continental United States;

28.2.2.2.2 The financial institution proposed as the third party escrow agent may not be an affiliate of either Party; and

28.2.2.2.3 The financial institution proposed as the third party escrow agent must be authorized to handle Automatic Clearing House (ACH) credit transactions transfers.

28.2.2.2.4 In addition to the foregoing requirements for the third party escrow agent, the disputing Party and the financial institution proposed as the third party escrow agent must agree that the escrow account will meet all of the following criteria:

28.2.2.2.5 The escrow account must be an interest bearing account;

28.2.2.2.6 All charges associated with opening and maintaining the escrow account will be borne by the disputing Party;

28.2.2.2.7 That none of the funds deposited into the escrow account or the interest earned thereon may be subjected to the financial institution's charges for serving as the third party escrow agent;

28.2.2.2.8 All interest earned on deposits to the escrow account shall be disbursed to the Parties in the same proportion as the principal; and

28.2.2.2.9 Disbursements from the escrow account shall be limited to those:

28.2.2.2.9.1 authorized in writing by both the disputing Party and the Billing Party (that is, signature(s) from representative(s) of the disputing Party only are not sufficient to properly authorize any disbursement); or

28.2.2.2.9.2 made in accordance with the final, non-appealable order or award of an arbitrator appointed pursuant to the provisions of **Section 28.3**; or

28.2.2.2.9.3 made in accordance with the final, non-appealable order of the court that had jurisdiction to enter an arbitrator's award pursuant to **Section 28.3**.

28.2.2.3 Disputed Amounts in escrow shall be subject to interest as set forth in **Section 27.13**.

28.2.2.4 The Billed Party shall not be required to place Disputed Amounts in escrow, as required by **Section 28.2.2.2**, above, if: (i) does not have a proven history of late payments and has established a minimum of twelve (12) consecutive months good credit history with the Billing Party (prior to the date it notifies the Billing Party of its billing dispute), and (ii) the Billed Party has not filed more than three (3) previous billing disputes that were resolved in Billing Party's favor within the twelve (12)

months immediately preceding the date it notifies the Billing Party of its current billing dispute.

28.2.2.5 Issues related to Disputed Amounts shall be resolved in accordance with all of the applicable procedures identified in the Informal Billing Dispute Resolution provisions set forth in **Section 28.2.3**.

28.2.2.6 If the Billed Party disputes any charges in accordance with **Section 28.2**, and any portion of the dispute is resolved in favor of such Billed Party, the Parties shall cooperate to ensure that all of the following actions are taken:

28.2.2.6.1 no later than the second bill date after the resolution of the dispute, the Billing Party shall credit the invoice of the Billed Party for that portion of the Disputed Amounts resolved in favor of the Billed Party, including a credit for any interest assessed or applied with respect to such portion of the Disputed Amounts;

28.2.2.6.2 within fifteen (15) calendar days after resolution of the dispute, the portion of the escrowed Disputed Amounts, if any, resolved in favor of the Billed Party shall be released to the Billed Party, together with any accrued interest thereon, and any portion of the Disputed Amounts not in escrow and resolved in favor of the Billed Party shall be paid to Billed Party, together with any interest assessed or applied with respect thereto; and

28.2.2.6.3. Within fifteen (15) calendar days after resolution of the dispute, any portion of the escrowed Disputed Amounts resolved in favor of the Billing Party shall be released to the Billing Party, together with any accrued interest thereon (and if the accrued interest does not equal any interest that would have been assessed pursuant to **Section 27.13** had the Disputed Amounts remained undisputed and unpaid during the period of the Dispute, the Billed Party shall remit payment of the difference to the Billing Party within this same time period) and, as applicable, any portion of the Disputed Amounts not in escrow and resolved in favor of the Billing Party shall be paid to Billing Party, together with any interest assessed or applied with respect thereto.

28.2.3 Informal Billing Dispute Resolution Process.

28.2.3.1 Within five (5) days after delivery of the notices of dispute described in **Section 28.2**, each Party will appoint a knowledgeable, responsible representative to meet and negotiate in good faith to resolve the billing dispute. The location, form, frequency, duration, and conclusion of these discussions will be left to the discretion of the representatives. Upon agreement, the representatives may utilize alternative dispute resolution procedures such as mediation to assist in the negotiations.

28.2.3.2 If the Parties are unable to resolve the dispute through the informal procedures described above in **Section 28.2.3.1**, then either Party

may invoke the formal Dispute Resolution Process set forth in **Section 28.3.3** after providing the other at least ten (10) days prior written notice of its intent to do so. Unless the Parties otherwise agree, a Party may give notice of its intent to invoke the procedures of **Section 28.3.3** no earlier than sixty (60) days after the date of the notices of dispute described in **Section 28.2**, initiating informal billing dispute resolution under this Section of the Agreement.

28.3 Dispute Escalation and Resolution.

28.3.1 General.

28.3.1.1 Purpose. This **Section 28.3** is intended to provide for the expeditious resolution of all disputes between SBC-AMERITECH and AT&T arising under this Agreement, and to do so in a manner that permits uninterrupted high quality services to be furnished to each Party's Customers. Notwithstanding the procedures in this **Section 28.3**, in no event shall the parties disrupt service to any AT&T customer or SBC-AMERITECH customer pending the resolution of a dispute. Except as otherwise specifically provided for in this Agreement, no claim may be brought for any dispute arising from this Agreement more than twenty-four (24) months from the date the occurrence which gives rise to the dispute is discovered or reasonably should have been discovered with the exercise of due care and attention. Dispute Resolution shall commence upon one Party's receipt of written notice, which notice shall be identified as being brought pursuant to this section, of a controversy or claim arising out of or relating to this Agreement or its breach. No Party may pursue any claim unless such written notice has first been given to the other Party.

28.3.1.2 Non-Exclusive Remedy.

28.3.1.2.1 Dispute resolution under the procedures provided in this **Section 28.3** shall be the preferred, but not the exclusive, remedy for all disputes between SBC-AMERITECH and AT&T arising out of this Agreement or its breach. Notwithstanding anything to the contrary provided herein, each Party reserves its rights to resort to the Commission or to a court, agency, or regulatory authority of competent jurisdiction with respect to disputes as to which the Commission or such court, agency, or regulatory authority specifies a particular remedy or procedure. However, except for an action seeking a temporary restraining order or an injunction related to the purposes of this Agreement, or suit to compel compliance with this Dispute Resolution process, no action or complaint may be filed in the Commission or a court, agency or regulatory authority of competent jurisdiction before the Informal Resolution of Disputes procedures set forth in **Section 28.3.2**, below (or with respect to billing disputes, the Informal Billing Dispute Resolution process set forth in **Section 28.2.3**, above) have been followed, in good faith, by the Party commencing such action or complaint.

28.3.1.2.2 Nothing in this **Section 28.3** shall limit the right of either SBC-AMERITECH or AT&T to obtain provisional remedies (including injunctive relief) from a court before, during or after the pendency of any arbitration

proceeding (but prior to a decision being rendered) brought pursuant to this **Section 28.3**. However, once a decision is reached by the Arbitrator, such decision shall supersede any provisional remedy. Despite any such action, the Parties will continue to participate in good faith in the dispute resolution procedures described in this **Article XXVIII**.

28.3.2 Informal Dispute Resolution. Except as otherwise provided herein, any dispute, controversy or claim (individually and collectively, a “**Dispute**”) arising under this Agreement shall be resolved in accordance with the procedures set forth in **Section 28.3**. In the event of a Dispute between the Parties relating to this Agreement and upon the written request of either Party, each of the Parties shall appoint a knowledgeable, responsible representative who has authority to settle the Dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the Dispute and negotiate in good faith in an effort to resolve such Dispute. The specific format for such discussions will be left to the discretion of the designated representatives, however, all reasonable requests for relevant information made by one Party to the other Party shall be honored. Discussions and the correspondence among the representatives for purposes of settlement are exempt from discovery and production and will not be admissible in the arbitration, lawsuit or other proceeding described below without the concurrence of both Parties. Documents identified in or provided with such communications that were not prepared for purposes of the negotiations are not so exempted, and, if otherwise admissible, may be admitted in evidence in an arbitration, lawsuit or other proceeding. If the Parties are unable to resolve issues related to a Dispute within fifteen (15) days after receipt by one Party of notice of a Dispute, (or within sixty (60) days after receipt by one Party of notice of a billing dispute under **Section 28.2**, above) the Parties shall follow the procedures set forth in **Section 28.3.3**, below.

28.3.3 Formal Dispute Resolution. In the event of a Dispute between SBC-AMERITECH and AT&T arising under this Agreement that is not resolved pursuant to **Section 28.3.2**, above (or with respect to billing disputes, pursuant to **Section 28.2.3**, above), either Party may invoke the formal Dispute Resolution procedures described in this **Section 28.3.3**.

28.3.3.1 Claims Subject to Commercial Arbitration. Claims will be subject to arbitration pursuant to **Section 28.3.3.2** if, and only if, the claim is not settled through informal Dispute Resolution and both Parties agree to arbitration. If both Parties do not agree to arbitration, then either Party may pursue a remedy for the Dispute with the Commission, a court, an agency or regulatory authority of competent jurisdiction.

28.3.3.2 Procedures Governing Commercial Arbitration.

28.3.3.2.1 Selection of Provider of Arbitration Services. Disputes subject to arbitration under the provisions of this Agreement will be submitted to a single arbitrator appointed by a provider of arbitration services to which the Parties agree. If the Parties are unable to agree upon a provider of arbitration services for

the arbitration of their first dispute, if any, under this Agreement, then the provider shall be J.A.M.S./Endispute. If the Parties are unable to agree upon a provider of arbitration services for the arbitration of their next dispute, if any, under the Agreement, then the provider of arbitration services for that arbitration shall be the American Arbitration Association. Thereafter, if the Parties are unable to agree to the provider of arbitration services for subsequent disputes that may arise under the Agreement, the provider shall alternate between the American Arbitration Association and J.A.M.S./Endispute. Applicable commercial arbitration rules of the provider selected or determined under this Section shall govern the proceeding before an arbitrator appointed by that provider.

28.3.3.2.2 Qualification of Arbitrator; Timing.

Regardless of which provider is used under **Section 28.3.3.2.1**, above, the arbitrator appointed shall be knowledgeable of telecommunications issues. The arbitration hearing will be requested to commence within twenty-five (25) calendar days of the demand for arbitration. The Parties may submit written briefs upon a schedule determined by the arbitrator. The Parties will request that the arbitrator rule on the dispute by issuing a written opinion within fifteen (15) calendar days after the deadline for the filing of the briefs.

28.3.3.2.3 Duties and Powers of the Arbitrator.

The Arbitrator shall receive complaints and other permitted pleadings, oversee discovery, administer oaths and subpoena witnesses pursuant to the United States Arbitration Act, hold hearings, issue decisions, and maintain a record of proceedings. The Arbitrator will have no authority to award punitive damages, exemplary damages, Consequential Damages, multiple damages, or any other damages not measured by the prevailing Party's actual damages, and may not, in any event, make any ruling, finding or award that does not conform to the terms and conditions of this Agreement.

28.3.3.2.4 Discovery. There shall be no discovery

except of the exchange of documents deemed necessary by the Arbitrator to an understanding and determination of the dispute. SBC-AMERITECH and AT&T shall attempt, in good faith, to agree on a plan for document discovery. Should they fail to agree, either SBC-AMERITECH or AT&T may request a joint meeting or conference call with the Arbitrator. The Arbitrator shall resolve any disputes between SBC-AMERITECH and AT&T, and such resolution with respect to the need, scope, manner and timing of discovery shall be final and binding.

28.3.3.2.5 Privileges. The Arbitrator shall, in all

cases, apply the attorney-client privilege and the work product immunity doctrine.

28.3.3.2.6 Location of Hearing. Each arbitration

between AT&T and SBC-AMERITECH will be held in Chicago, Illinois, unless otherwise agreed by the Parties.

28.3.3.2.7 Decision.

28.3.3.2.7.1 The Arbitrator's decision and award shall be in writing and shall state concisely the reasons for the award, including the Arbitrator's findings of fact and conclusions of law.

28.3.3.2.7.2 The Arbitrator's award shall be binding with respect to those rights and liabilities of the Parties under the Agreement addressed in the award, unless the award is reversed, vacated, or modified on appeal by the Commission pursuant to this **Section 28.3.3.2.7** below, or by a court of competent jurisdiction.

28.3.3.2.7.3 Within fifteen (15) days of the decision and award, the Arbitrator's decision must be submitted to the Commission for review. Each Party must also submit its position on the award and statement as to whether the Party agrees to be bound by it or seeks to challenge it.

28.3.3.2.7.4 The Commission will determine whether to review the dispute within fifteen (15) days of the date of receipt of the decision submitted for review. If the Commission does not exercise its jurisdiction within fifteen (15) days of receipt, the Arbitrator's decision and award shall be final and binding on the Parties. Judgment upon the award rendered by the Arbitrator may be entered in any court having jurisdiction thereof. Either Party may apply to the United States District Court for the district in which the hearing occurred for an order enforcing the decision.

28.3.3.2.8 Fees.

28.3.3.2.8.1 – The Arbitrator's fees and expenses that are directly related to a particular proceeding arising out of a dispute under the terms and conditions of this Agreement and raised pursuant to the procedures set out in this **Section 28.3** shall be paid by the losing Party. The Arbitrator shall determine which Party is the losing Party for purposes of this provision. In cases where the Arbitrator determines that neither Party has, in some material respect, completely prevailed or lost in a proceeding, the Arbitrator shall, in his or her discretion, apportion the Arbitrator's fees and expenses to reflect the relative success or failure of each Party. Those Arbitrator fees and expenses not directly related to a particular proceeding shall be shared equally. Arbitrator's fees and expenses under this provision include the Arbitrator's per hour, per diem or per-proceeding fee, as established before the proceeding begins (or as subsequently presented to and agreed to by the Parties), any conference room rental costs and administrative fees billed by the Arbitrator's association, and any properly documented travel or other expenses incurred by the Arbitrator pursuant to his or her employment agreement with the Parties. In no event, shall the Arbitrator's fees and expenses under this provision include fees or costs incurred by the Parties, including, by way of example, attorneys' fees, copying costs, expert fees and expenses, travel expenses, and other such costs.

28.3.3.2.8.2. In an action to enforce a decision of the Arbitrator, the prevailing Party shall be entitled to its reasonable attorneys' fees, expert fees, costs, and expenses without regard to the local rules of the district in which the suit is brought.

28.3.3.2.9 Confidentiality. Except as the Parties otherwise agree, or as the Arbitrator for good cause orders, the arbitration proceedings, including hearings, briefs, orders, pleadings and discovery shall not be deemed confidential and may be disclosed at the discretion of either party, unless it is subject to being safeguarded as proprietary, trade secret or confidential information, in which event the procedures for disclosure of such information shall apply.

ARTICLE XXIX REGULATORY APPROVAL

29.0 Regulatory Approval.

29.1 Commission Approval. The Parties understand and agree that this Agreement will be filed with the Commission for approval by such Commission (or the FCC if the Commission fails to act) pursuant to Section 252 of the Act. Each Party agrees that this Agreement is satisfactory to them as an agreement under Sections 251 and 252 of the Act. Each Party agrees to fully support approval of this Agreement by the Commission (or the FCC) under Section 252 of the Act without modification; provided, however, that each Party may exercise its right to judicial review under Section 252(e)(6) of the Act, or any other available remedy at law or equity, with respect to any matter included herein by arbitration under the Act over the objection of such Party. If the Commission, the FCC or any court rejects any portion of this Agreement, the Parties agree to meet and negotiate in good faith to arrive at a mutually acceptable modification of the rejected portion and related provisions; provided that such rejected portion shall not affect the validity of the remainder of this Agreement. The Parties acknowledge that nothing in this Agreement shall limit a Party's ability, independent of such Party's agreement to support and participate in the approval of this Agreement, to assert public policy issues relating to the Act.

29.2 Tariffs. The Parties agree that the rates, terms and conditions of this Agreement will not be superseded by the rates, terms and conditions of any tariff SBC-AMERITECH may file. The Parties agree that AT&T is not precluded from ordering products and services available under any effective SBC-AMERITECH tariff or any tariff that SBC-AMERITECH may file in the future assuming AT&T satisfies all conditions that might be contained in such tariff.

29.3 Amendment or Other Changes to the Act; Reservation of Rights. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the text of the Act and the rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date. In the event of any amendment of the Act, or any legally binding legislative, regulatory, or judicial order, rule or regulation or other legal action that revises or reverses the Act, the FCC's First Report and Order in CC Docket Nos. 96-98 and 95-185 or any applicable Commission order or arbitration award purporting to apply the provisions of the Act (individually and collectively, an "**Amendment to the Act**"), either Party may by providing written notice to the other Party require that the affected provisions be renegotiated in good faith and this Agreement be amended accordingly to reflect the pricing, terms and conditions of each such Amendment to the Act relating to any of the provisions in this Agreement. If any such amendment to this Agreement affects any rates or charges of the services provided hereunder, each Party reserves its rights and remedies with respect to the collection of such rates or charges on a retroactive basis; including the right to seek a surcharge before the applicable regulatory authority. In the event that such new terms are not renegotiated within ninety (90) days after such notice, or if at any time during such 90-day period the Parties shall have ceased

to negotiate such new terms for a continuous period of fifteen (15) days, the dispute shall be resolved as provided in **Section 28.3** of this Agreement. For purposes of this **Section 29.3**, legally binding means that the legal ruling has not been stayed, no request for a stay is pending, and if any deadline for requesting a stay is designated by statute or regulation, it has passed. Without limiting the general applicability of the foregoing, the Parties acknowledge that on January 25, 1999, the United States Supreme Court issued its opinion in *AT&T Corp. v. Iowa Utilities Bd.*, 119 S. Ct. 721 (1999) and on June 1, 1999, the United States Supreme Court issued its opinion in *Ameritech v. FCC*, No. 98-1381, 1999 WL 116994, 1999 Lexis 3671 (1999). In addition, the Parties acknowledge that on November 5, 1999, the FCC issued its Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-96 (FCC 99-238), including the FCC's Supplemental Order issued *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, in CC Docket No. 96-98 (FCC 99-370) (rel. November 24, 1999), portions of which became effective thirty (30) days following publication of such Order in the Federal Register (February 17, 2000) and other portions of which became effective 120 days following publication of such Order in the Federal Register (May 17, 2000). The Parties further acknowledge and agree that by executing this Agreement, neither Party waives any of its rights, remedies, or arguments with respect to such decisions and any remand thereof, including its right to seek legal review or a stay pending appeal of such decisions or its rights under this **Section 29.3**.

29.4 Regulatory Changes. If any legally binding legislative, regulatory, judicial or other legal action (other than an Amendment to the Act, which is provided for in **Section 29.3**) materially affects any material term of this Agreement or materially affects the ability of a Party to perform any material obligation under this Agreement, a Party may, upon written notice, require that the affected provision(s) be renegotiated, and the Parties shall renegotiate in good faith such mutually acceptable new provision(s) as may be required; provided that such affected provisions shall not affect the validity of the remainder of this Agreement. In the event that such new terms are not renegotiated within ninety (90) days after such notice, or if at any time during such 90-day period the Parties shall have ceased to negotiate such new terms for a continuous period of fifteen (15) days, the dispute shall be resolved as provided in **Section 28.3** of this Agreement. For purposes of this **Section 29.4**, legally binding means that the legal ruling has not been stayed, no request for a stay is pending, and if any deadline for requesting a stay is designated by statute or regulation, it has passed.

29.5 Proxy Rates. In the event the initial rates under this Agreement are "proxy rates" established by the FCC or the Commission, the Parties are to substitute rates later established by the FCC or Commission under procedures consistent with the Act and any Order of the FCC or Commission.

29.6 Option to Obtain Local Services or Network Elements Under Other Agreements.

29.6.1 SBC-AMERITECH will make available a list of all the interconnection agreements it has in effect with other carriers. This list will include the following information: (1) the Commission docket number associated with each agreement; (2) its date of approval; and (3) the parties to the agreement. SBC-AMERITECH will provide the initial list of interconnection agreements within thirty (30) days of the Effective Date of this Agreement and shall update the list within fifteen (15) days of the date that SBC-AMERITECH enters into any new agreement. No later than 60 days from the Effective Date of this Agreement, SBC-AMERITECH shall post its effective interconnection agreements with other carriers in the state of Ohio to an internet site accessible by AT&T. After the first date such agreements are posted to such internet site, to the extent that any effective SBC-AMERITECH interconnection agreement for the state of Ohio is or becomes unavailable on such internet site (or successor site thereto), SBC-AMERITECH shall make such agreement available for inspection by AT&T either electronically or in a hard copy format. To the extent required by section 252(i) of the Act, regulations thereunder and relevant court decisions, SBC-AMERITECH shall make available to AT&T, without unreasonable delay, any interconnection, service or network element contained in any agreement to which SBC-AMERITECH is a party that has been filed and approved by the Commission pursuant to Section 252 of the Act.

29.6.2 Any dispute between the Parties concerning any election or exercise of an option by either Party under this **Article XXIX** shall be resolved pursuant to **Section 28.3**.

ARTICLE XXX
MISCELLANEOUS

30.0 Miscellaneous.

30.1 Authorization.

30.1.1 SBC-AMERITECH (Ameritech Ohio) is a corporation duly organized, validly existing and in good standing under the laws of the State of Ohio and has full power and authority to execute and deliver this Agreement and to perform the obligations hereunder in the State of Ohio.

30.1.2 AT&T is a corporation duly organized, validly existing and in good standing under the laws of the State of Ohio and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. AT&T represents and warrants to SBC-AMERITECH that it has been certified as an LEC by the Commission and is authorized to provide in the State of Ohio the services it has contracted to provide herein.

30.2 Designation of Affiliate. Each Party may without the consent of the other Party fulfill its obligations under this Agreement by itself or may cause its Affiliates to take some or all of such actions to fulfill such obligations. Upon such designation, the Affiliate shall become a primary obligor hereunder with respect to the delegated matter, but such designation shall not relieve the designating Party of its obligations as primary obligor hereunder. Any Party which elects to perform its obligations through an Affiliate shall cause its Affiliate to take all action necessary for the performance hereunder of such Party's obligations. Each Party represents and warrants that if an obligation under this Agreement is to be performed by an Affiliate, such Party has the authority to cause such Affiliate to perform such obligation and such Affiliate will have the resources required to accomplish the delegated performance.

30.3 Subcontracting. Either Party may subcontract the performance of its obligation under this Agreement without the prior written consent of the other Party; provided, however, that the Party subcontracting such obligation shall remain fully responsible for the performance of such obligation and be solely responsible for payments due its subcontractors. No contract, subcontract or other agreement entered into by either Party with any third party in connection with the provision of Interconnection, Resale Services, Network Elements, functions, facilities, products and services hereunder will provide for any indemnity, guarantee or assumption of liability by the other Party to this Agreement with respect to such arrangement, except as consented to in writing by the other Party. Any subcontractor that gains access to CPNI or Proprietary Information covered by this Agreement shall be required by the subcontracting Party to protect such CPNI or Proprietary Information to the same extent the subcontracting Party is required to protect such CPNI or Proprietary Information under the terms of this Agreement.

30.4 Independent Contractor. Each Party shall perform services hereunder as an independent contractor and nothing herein shall be construed as creating any other relationship between the Parties. Each Party and each Party's contractor shall be solely responsible for the withholding or payment of all applicable federal, state and local income taxes, social security taxes and other payroll taxes with respect to their employees, as well as any taxes, contributions or other obligations imposed by applicable state unemployment or workers' compensation acts. Each Party has sole authority and responsibility to hire, fire and otherwise control its employees.

30.5 Force Majeure. Except as otherwise specifically provided in this Agreement, no Party shall be responsible for delays or failures in performance of any part of this Agreement (other than an obligation to make money payments) resulting from acts or occurrences beyond the reasonable control of such Party, including acts of nature, acts of civil or military authority, any law, order, regulation, ordinance of any government or legal body, embargoes, epidemics, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, work stoppages, equipment failures, power blackouts, volcanic action, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities or acts or omissions of transportation carriers (individually or collectively, a **"Force Majeure Event"**) or delays caused by the other Party or any other circumstances beyond the Party's reasonable control. If a Force Majeure Event shall occur, the Party affected shall give prompt notice to the other Party of such Force Majeure Event specifying the nature, date of inception and expected duration of such Force Majeure Event, whereupon such obligation or performance shall be suspended to the extent such Party is affected by such Force Majeure Event during the continuance thereof or be excused from such performance depending on the nature, severity and duration of such Force Majeure Event (and the other Party shall likewise be excused from performance of its obligations to the extent such Party's obligations relate to the performance so interfered with). The affected Party shall use its reasonable efforts to avoid or remove the cause of nonperformance and the Parties shall give like notice and proceed to perform with dispatch once the causes are removed or cease. Notwithstanding the preceding, no delay or other failure to perform shall be excused pursuant to this **Section 30.5**: (i) by the acts or omission of a Party's subcontractors, materialmen, suppliers or other third persons providing products or services to such Party unless such acts or omissions are themselves the product of a Force Majeure Event, and unless such delay or failure and the consequences thereof are beyond the control and without the fault or negligence of the Party claiming excusable delay or other failure to perform, or (ii) if such Party fails to implement any steps taken to mitigate the effects of a Force Majeure Event (e.g., disaster recovery plans) in a nondiscriminatory manner during the period performance is impaired.

30.6 Governing Law. Unless otherwise provided by Applicable Law, this Agreement shall be governed by and construed in accordance with the Act, the FCC Rules, and Regulations and orders interpreting the Act and other applicable federal law. To the extent that federal law would apply state law in interpreting this Agreement, the domestic laws of the state in which the Interconnection, Resale Services, Network Elements, functions, facilities, products and services at issue are furnished or sought shall apply,

without regard to that state's conflict of laws principles. For purposes of this Agreement, the Parties submit to personal jurisdiction in Chicago, Illinois and Columbus, Ohio.

30.7 Taxes.

30.7.1 Each Party purchasing Interconnection, Resale Services, Network Elements, functions, facilities, products and services under this Agreement shall pay or otherwise be responsible for all federal, state, or local sales, use, excise, gross receipts, municipal fees, transfer, transaction or similar taxes, fees, or surcharges (hereinafter "**Tax**") imposed on, or with respect to, the Interconnection, Resale Services, Network Elements provided on an unbundled basis, functions, facilities, products and services under this Agreement provided by or to such Party, except for: (a) any Tax on either party's corporate existence, status, or income, or (b) any corporate franchise Taxes. Whenever possible, these Taxes shall be billed as a separate item on the invoice.

30.7.2 With respect to any purchase of Interconnection, Resale Services, Network Elements on an unbundled basis, functions, facilities, products and services under this Agreement if any Tax is required or permitted by applicable law and tariffs to be collected from the purchasing Party by the providing Party, then: (i) the providing Party shall bill the purchasing Party for such Tax, (ii) the purchasing Party shall remit such Tax to the providing Party, and (iii) the providing Party shall remit such collected Tax to the applicable taxing authority. The following provisions govern the backbilling of Taxes by the providing Party:

30.7.2.1 Taxes for which the purchasing Party is liable. With respect to Taxes for which the purchasing Party is liable, the providing Party shall use reasonable best efforts to bill the purchasing Party for such Tax simultaneously with the bill for service to which the Tax relates; however, the purchasing Party shall remain responsible for such Tax for the applicable statute of limitations period.

30.7.2.2 Taxes for which the providing Party is liable. With respect to Taxes for which the providing Party is liable, the providing Party may backbill the purchasing Party for any surcharges based on such Taxes and permitted by Applicable Law, subject to the same time limits that apply to the services to which the Taxes relate, as set forth in **Section 27.2.3**.

30.7.2.3 Notwithstanding **Section 30.7.2.2** above, if as a result of a notice of proposed adjustment by a taxing authority, the taxing authority imposes a Tax on the providing party, the providing party may back bill the Tax to the purchasing party for a period, not to exceed four (4) years from the date of the notice of proposed adjustment. In order for the providing party to be permitted to backbill a tax under this section, the purchasing party must be notified of the audit determination from which the surcharge results, within thirty (30) days of the notice of proposed adjustment but in no event less than ten days before the last day, under applicable law, for the purchasing party to exercise any rights it might have to contest the notice of proposed adjustment.

30.7.3 With respect to any purchase hereunder of Interconnection, Resale Services, Network Elements on an unbundled basis, functions, facilities, products and services under this Agreement that are resold to a third party, if any Tax is imposed by applicable law as reflected in appropriate tariff(s) on the End User in connection with any such purchase, then: (i) the purchasing Party shall be required to impose and/or collect such Tax from the End User, and (ii) the purchasing Party shall remit such Tax to the applicable taxing authority. The purchasing Party agrees to indemnify and hold harmless the providing Party for any costs incurred by the providing Party as a result of actions taken by the applicable taxing authority to collect the Tax from the providing Party due to the failure of the purchasing Party to pay or collect and remit such tax to such authority.

30.7.4 If the providing Party fails to bill or to collect any Tax as required herein, then, as between the providing Party and the purchasing Party: (i) the purchasing Party shall remain liable for such uncollected Tax to the extent provided in **Section 30.7.2** and all Subsections thereunder, and (ii) the providing Party shall be liable for any penalty and interest assessed with respect to such uncollected Tax by such authority. However, if the purchasing Party fails to pay any Taxes properly billed, then, as between the providing Party and the purchasing Party, the purchasing Party will be solely responsible for payment of the Taxes, penalty and interest.

30.7.5 If the purchasing Party fails to impose and/or collect any Tax from End Users as required herein, then, as between the providing Party and the purchasing Party, the purchasing Party shall remain liable for such uncollected Tax and any interest and penalty assessed thereon with respect to the uncollected Tax by the applicable taxing authority. With respect to any Tax that the purchasing Party has agreed to pay or impose on and/or collect from End Users, the purchasing Party agrees to indemnify and hold harmless the providing Party for any costs incurred by the providing Party as a result of actions taken by the applicable taxing authority to collect the Tax from the providing Party due to the failure of the purchasing Party to pay or collect and remit such Tax to such authority.

30.7.6 If either Party is audited by a taxing authority or other governmental entity, the other Party agrees to reasonably cooperate with the Party being audited in order to respond to any audit inquiries in a proper and timely manner so that the audit and/or any resulting controversy may be resolved expeditiously.

30.7.7 To the extent a sale is claimed to be for resale tax exemption, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation of the jurisdiction providing said resale tax exemption. Failure to timely provide said resale tax exemption certificate will result in no exemption being available to the purchasing Party for any period prior to the date that the purchasing Party presents a valid certificate. If applicable law as reflected in appropriate tariff(s) excludes or exempts a purchase of Interconnection, Resale Services, Network Elements on an unbundled basis, functions, facilities, products and services under

this Agreement from a Tax, but does not also provide an exemption procedure, then the providing Party will not collect such Tax if the purchasing Party: (a) furnishes the providing Party with a letter signed by an officer of the purchasing Party claiming an exemption and identifying the applicable law that both allows such exemption and does not require an exemption certificate, and (b) supplies the providing Party with an indemnification agreement, reasonably acceptable to the providing Party, which holds the providing Party harmless from any tax, interest, penalties, loss, cost or expense with respect to forbearing to collect such Tax.

30.7.8 With respect to any Tax or Tax controversy covered by this **Section 30.7**, the purchasing Party is entitled to contest with the imposing jurisdiction, pursuant to applicable law and as reflected in appropriate tariff(s) and at its own expense, any a Tax that it previously billed, or was billed that it is ultimately obligated to pay. The purchasing Party will ensure that no lien is attached to any asset of the providing Party as a result of any contest. The purchasing Party shall be entitled to the benefit of any refund or recovery of amounts that it had previously paid resulting from such a contest. Amounts previously paid by the providing Party shall be refunded to the providing Party. The providing Party will cooperate in any such contest.

30.7.9 All notices, affidavits, exemption certificates or other communications required or permitted to be given by either Party to the other under this **Section 30.7** shall be sent in accordance with **Section 30.10** hereof.

30.8 Non-Assignment. Neither Party may assign or transfer (whether by operation of law or otherwise) this Agreement (or any rights or obligations hereunder) to a third person without the prior written consent of the other Party; provided that each Party may assign or transfer this Agreement to an Affiliate in accordance with **Section 30.2** by providing prior written notice to the other Party of such assignment or transfer; provided, further, that such assignment is not inconsistent with Applicable Law or the terms and conditions of this Agreement. Any attempted assignment or transfer that is not permitted is void *ab initio*. Without limiting the generality of the foregoing, this Agreement shall be binding upon and shall inure to the benefit of the Parties' respective successors and assigns and the assigning Party will remain liable for the performance of any assignee. For purposes of this paragraph, and by way of clarification, if SBC-AMERITECH directly or indirectly (including without limitation through a transfer of control or by operation of law) sells, exchanges, swaps, assigns or transfers ownership or control of all or any portion of its telephone exchanges that are covered by this Agreement to any purchaser, operator or other transferee (collectively, a "Transfer"), and such Transfer would negatively affect AT&T's ability to serve its then-existing end users within such telephone exchanges pursuant to this Agreement (excluding any affect on the costs to AT&T to serve its then-existing end users), such a Transfer shall be considered a transfer subject to this paragraph, unless it is approved by the Commission, in which case it shall not be considered subject to this paragraph.

30.8.2 If during the Term, SBC-AMERITECH sells, assigns or otherwise transfers any ILEC Territory or ILEC Assets to a person other than an Affiliate or subsidiary, SBC-AMERITECH shall provide AT&T not less than one hundred eighty (180) days prior written notice of such sale, assignment or transfer. Upon the consummation of such sale, assignment or transfer, AT&T acknowledges that SBC-AMERITECH shall have no further obligations under this Agreement with respect to the ILEC Territories and/or ILEC Assets subject to such sale, assignment or transfer, and that AT&T must establish its own Section 251 and 252 arrangement with the successor to such ILEC Territory and/or ILEC Assets.

30.9 Non-Waiver. Failure of either Party to insist on performance of any term or condition of this Agreement or to exercise any right or privilege hereunder shall not be construed as a continuing or future waiver of such term, condition, right or privilege. By entering into this Agreement neither Party waives any rights granted to them pursuant to the Act.

30.10 Notices. Notices given by one Party to the other Party under this Agreement shall be in writing (unless specifically provided otherwise herein) and unless otherwise specifically required by this Agreement to be delivered to another representative or point of contact, shall be: (a) delivered personally, (b) delivered by express delivery service, (c) mailed, certified mail or first class U.S. mail postage prepaid, return receipt requested, or (d) delivered by facsimile; provided that a confirmation copy is sent by the method described in (a), (b) or (c) of this **Section 30.10**, to the following addresses of the Parties:

To AT&T:

AT&T
222 West Adams Street, 11th Floor
Chicago, Illinois 60606
Attn.: Kathryn Massura, Director – Product Delivery Local Service Access
Management
Facsimile: (312) 230-8100

with a copy to:

AT&T
222 West Adams Street, 15th Floor
Chicago, Illinois 60606
Attn.: Michael W. Tye, Vice President - Law & Government Affairs
Facsimile: (312) 230-8835

To SBC-AMERITECH:

Contract Administration

ATTN: Notices Manager
311 S. Akard, 9th Floor
Four Bell Plaza
Dallas, TX 75202-5398
Telephone No: 214-464-1933
Facsimile No: 214-464-2006

or to such other address as either Party shall designate by proper notice. Notices will be deemed given as of the earlier of: (i) the date of actual receipt, (ii) the next business day when notice is sent via express mail or personal delivery, (iii) five (5) days after mailing in the case of first class or certified U.S. mail, or (iv) with respect to facsimile, on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.

30.11 Publicity and Use of Trademarks or Service Marks. Neither Party nor its subcontractors or agents shall use the other Party's trademarks, service marks, logos or other proprietary trade dress in any advertising, press releases, publicity matters or other promotional materials without such Party's prior written consent except as permitted by Applicable law.

30.12 Intellectual Property.

30.12.1 AT&T acknowledges that its right under this Agreement to interconnect with SBC-AMERITECH's network and to unbundle and/or combine SBC-AMERITECH's network elements (including combining with AT&T's network elements) may be subject to or limited by Intellectual Property rights (including without limitation, patent, copyright, trade secret, trade mark, service mark, trade name and trade dress rights) and contract rights of third parties.

30.12.1.1 SBC-AMERITECH agrees to use its best efforts to obtain for AT&T, under commercially reasonable terms, coextensive third party Intellectual Property rights to each unbundled network element necessary for AT&T to use such unbundled network element in the same manner as SBC-AMERITECH.

30.12.1.2 SBC-AMERITECH shall have no obligation to attempt to obtain for AT&T any Intellectual Property right(s) that would permit AT&T to use any unbundled network element in a different manner than used by SBC-AMERITECH.

30.12.1.3 To the extent not prohibited by a contract with the vendor of the network element sought by AT&T that contains Intellectual Property licenses, SBC-AMERITECH shall reveal to AT&T the name of the vendor, the Intellectual Property rights licensed to SBC-AMERITECH under the vendor contract and the terms of

the contract (excluding cost terms). SBC-AMERITECH shall, at AT&T's request, contact the vendor to attempt to obtain permission to reveal additional contract details to AT&T.

30.12.2 SBC-AMERITECH hereby conveys no licenses to use such Intellectual Property rights and makes no warranties, express or implied, concerning AT&T's (or any third party's) rights with respect to such Intellectual Property rights and contract rights, including whether such rights will be violated by such interconnection or unbundling and/or combining of network elements (including combining with AT&T's network elements) in SBC-AMERITECH's network or AT&T's use of other functions, facilities, products or services furnished under this Agreement. Any licenses or warranties for Intellectual Property rights associated with unbundled network elements are vendor licenses and warranties and are a part of the Intellectual Property rights SBC-AMERITECH agrees in **Section 30.12** to use its best efforts to obtain.

30.12.3 Subject to SBC-AMERITECH's obligations under any Commission decision and except as expressly stated in this Agreement, SBC-AMERITECH does not and shall not indemnify, defend or hold AT&T harmless, nor be responsible for indemnifying or defending, or holding AT&T harmless, for any Claims or Damages for actual or alleged infringement of any Intellectual Property right that arises out of, is caused by, or relates to AT&T's interconnection with SBC-AMERITECH's network and unbundling and/or combining SBC-AMERITECH's network elements (including combining with AT&T's network elements) or AT&T's use of other functions, facilities, products or services furnished under this Agreement. Any indemnities for Intellectual Property rights associated with unbundled network elements shall be vendor's indemnities and are a part of the Intellectual Property rights SBC-AMERITECH agrees in **Section 30.12** to use its best efforts to obtain.

30.12.4 AT&T hereby agrees to release, indemnify and hold SBC-AMERITECH harmless from and against all Damages arising out of, caused by, or relating to any Claim that AT&T's interconnection with SBC-AMERITECH's network, or AT&T's use of SBC-AMERITECH's network elements, or unbundling and/or combining of SBC-AMERITECH's network elements (including combining with AT&T's network elements) or AT&T's use of other functions, facilities, products or services furnished under this Agreement violates or infringes upon any third party Intellectual Property rights. In no event shall SBC-AMERITECH be liable for any actual or consequential damages that AT&T may suffer arising out of any such Claim.

30.12.5 All costs associated with the extension of Intellectual Property rights to AT&T pursuant to this **Section 30.12**, including the cost of the license extension itself and the costs associated with the effort to obtain the license, shall be a part of the cost of providing the unbundled network element to which the Intellectual Property rights relate and apportioned to all requesting carriers using that unbundled network element including SBC-AMERITECH.

30.13 Branding. Services offered by AT&T that incorporate Network Elements

made available by SBC-AMERITECH to AT&T pursuant to this Agreement, and SBC-AMERITECH services that AT&T offers for resale shall, at AT&T's sole discretion, be branded exclusively as AT&T services, or otherwise, as AT&T shall determine and as may be more specifically defined elsewhere in this Agreement. AT&T shall provide the exclusive interface to AT&T Customers in connection with the marketing, offering or provision of AT&T services, except as AT&T shall otherwise specify. In those instances where AT&T requires SBC-AMERITECH personnel to interface directly with AT&T Customers, either orally in person or by telephone, or in writing, such personnel shall identify themselves as representing AT&T, and shall not identify themselves as representing SBC-AMERITECH. All forms, business cards or other business materials furnished by SBC-AMERITECH to AT&T Customers shall be subject to AT&T's prior review and approval, and shall bear no corporate name, logo, trademark or tradename other than AT&T's or such other brand or brands as AT&T shall determine. In no event shall SBC-AMERITECH personnel acting on behalf of AT&T pursuant to this Agreement provide information to AT&T customers about SBC-AMERITECH products or services.

30.14 Nonexclusive Dealings. This Agreement does not prevent either Party from providing or purchasing services to or from any other person nor, except as provided in Section 252(i) of the Act, does it obligate either Party to provide or purchase any services not specifically provided herein.

30.15 No Third Party Beneficiaries; Disclaimer of Agency. Except as may be specifically set forth in this Agreement, this Agreement is for the sole benefit of the Parties and their permitted assigns, and nothing herein express or implied shall create or be construed to create any third-party beneficiary rights hereunder. Nothing in this Agreement shall constitute a Party as a legal representative or agent of the other Party, nor shall a Party have the right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name or on behalf of the other Party unless otherwise expressly permitted by such other Party. No Party undertakes to perform any obligation of the other Party, whether regulatory or contractual, or to assume any responsibility for the management of the other Party's business.

30.16 No License. No license under patents, copyrights or any other Intellectual Property right (other than the license to use consistent with the terms, conditions and restrictions of this Agreement) is granted by either Party or shall be implied or arise by estoppel with respect to any transactions contemplated under this Agreement.

30.17 Survival. The Parties' obligations under this Agreement which by their nature are intended to continue beyond the termination or expiration of this Agreement shall survive the termination or expiration of this Agreement, including Articles XX, XXI, XXII, XXIII, XXV, XXVI, and XXVII, XXVIII, Sections 6.5, 10.11.3, 16.15, 16.17, 28.2, 28.3, 30.7, 30.11, and 30.14 and Schedule 10.9.6.

30.18 Scope of Agreement. This Agreement is entered into pursuant to Sections 251 and 252 of the Act and describes and enables arrangements including specific

Interconnection and access to unbundled Network Elements and compensation arrangements between the Parties. This Agreement does not obligate either Party to provide arrangements not specifically provided in this Agreement. Except as specifically contained herein or provided by the FCC or the Commission within its lawful jurisdiction, nothing in this Agreement shall be deemed to affect any access charge arrangement.

30.19 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original; but such counterparts shall together constitute one and the same instrument.

30.20 Successor Rates. Certain of the rates, prices and charges set forth in the applicable Pricing Schedule have been established by the appropriate Commissions in cost proceedings or dockets initiated under or pursuant to the Act. If during the Term that Commission or the FCC changes a rate, price or charge in an order or docket that applies to any of the Interconnection, Resale Services, Network Elements, functions, facilities, products and services available hereunder, the Parties agree to amend this Agreement to incorporate such new rates, prices and charges, with such rates, prices and charges to be effective as of the date specified in such order or docket (including giving effect to any retroactive application, if so ordered). If either Party refuses to execute an amendment to this Agreement within sixty (60) days after the date of such order or docket, the other Party may pursue its rights under **Section 28.3**.

30.21 Amendments and Modifications. No provision of this Agreement shall be deemed amended or modified by either Party unless such an amendment or modification is in writing, dated, and signed by an authorized representative of both Parties. The amendment or modification shall become effective upon approval of such Amendment by the appropriate Commission, unless otherwise agreed to by the Parties.

ARTICLE XXXI AMERITECH COLLOCATION

31.1 Physical Collocation. AT&T shall provide to SBC-AMERITECH Physical Collocation in the LEC Access Equipment Room in AT&T's Wire Centers for equipment necessary for Interconnection (pursuant to Article III). AT&T shall provide SBC-AMERITECH Collocation only for the purpose of such Interconnection.

31.2 Eligible Equipment. SBC-AMERITECH may Collocate equipment necessary for Interconnection of the same type that it uses to provide total service access for AT&T.

31.3 Transmission Facility Options. SBC-AMERITECH may either purchase transmission facilities (and any necessary Cross-Connection) from AT&T or provide its own transmission facilities and terminate those transmission facilities in its equipment located in its Collocation space at AT&T's Premises.

31.4 Interconnection Points and Cables. AT&T shall:

31.4.1 provide SBC-AMERITECH an Interconnection point or points physically accessible by both SBC-AMERITECH and AT&T, at which the fiber optic cable carrying SBC-AMERITECH's circuits can enter AT&T's Premises; provided that AT&T shall designate Interconnection Points as close as reasonably possible to AT&T's Premises;

31.4.2 provide at least two (2) such Interconnection points at AT&T's Premises at which there are at least two (2) entry points for SBC-AMERITECH's cable facilities, and at which space is available for new facilities in at least two (2) of those entry points; and

31.4.3 permit SBC-AMERITECH Interconnection of copper or coaxial cable if such Interconnection is first approved by the Commission.

31.5 Allocation of Collocation Space

31.5.1 AT&T shall not be required to lease or construct additional space in a Premises to provide SBC-AMERITECH Physical Collocation when existing space in such Premises has been exhausted.

31.5.2 SBC-AMERITECH will provide AT&T with a two (2)-year rolling forecast of its requirements for Collocation that will be reviewed jointly on a yearly basis by the Parties, in accordance with the planning processes agreed upon pursuant to Article XII. AT&T will attempt to deliver Collocation pursuant to SBC-AMERITECH's forecasts to the extent that Collocation space is then available.

31.5.3 The Parties expect that under normal conditions AT&T will have space available for SBC-AMERITECH to interconnect with AT&T for purposes of terminating Local Traffic and IntraLATA Toll Traffic. However, should space not be available, AT&T will attempt to establish a POI at another mutually agreeable AT&T Wire Center which AT&T determines has available space and sufficient facilities for transporting traffic between AT&T Wire Centers at rates, terms and conditions to be negotiated upon by the Parties. If an alternative POI is not available in the LATA, the Parties will enter into good faith negotiations to establish an alternative method for SBC-AMERITECH to terminate Local Traffic and IntraLATA Toll Traffic on AT&T's network.

31.6 Subcontractor and Vendor Approval. AT&T shall allow SBC-AMERITECH to have an AT&T-approved subcontractor install updates to Collocated equipment, including software updates. Approval of such subcontractors by AT&T shall be based on the same criteria it uses in approving contractors for its own purposes.

31.7 Delivery of Collocated Space.

31.7.1 AT&T shall provide SBC-AMERITECH with a single point of contact for all inquiries regarding Collocation. If SBC-AMERITECH needs to install additional equipment in the LEC Access Equipment Room, SBC-AMERITECH shall request additional space for Collocation by delivering a written request to AT&T. Each request for Collocation shall include: (i) the Premises in which Collocation is requested, (ii) the interoffice transmission facilities SBC-AMERITECH will require for such space, (iii) the equipment to be housed in such space, and (v) the date on which SBC-AMERITECH intends to initiate service from such space. AT&T shall notify SBC-AMERITECH in writing within ten (10) Business Days of receiving SBC-AMERITECH's request for Collocation as to whether the requested space is available. If intraoffice facilities will not be available for Collocation of initial service within three (3) months after receipt of SBC-AMERITECH's request for space pursuant to this Section, then AT&T shall provide written notification, within ten (10) Business Days after the receipt of such request, as to when the intraoffice facilities will be made available.

31.7.2 Physical Collocation.

31.7.2.1 If additional space for Physical Collocation is immediately available at the time of SBC-AMERITECH's request, AT&T shall include in its notice to SBC-AMERITECH: (i) the space to be provided, and (ii) whether AT&T can deliver the space to SBC-AMERITECH by the date set forth in **Section 31.7.2.3**.

31.7.2.2 If SBC-AMERITECH's requested Physical Collocation space is available, SBC-AMERITECH and AT&T shall have an initial walkthrough of such space within ten (10) Business Days after AT&T confirms that the requested space is available.

31.7.2.3 AT&T shall deliver to SBC-AMERITECH the

requested space on or before the later of: (i) one hundred twenty (120) days from AT&T's receipt of SBC-AMERITECH's request for Collocation, or (ii) such other reasonable date that the Parties may agree upon if it is not feasible for AT&T to deliver to SBC-AMERITECH such space within the foregoing intervals (such date of delivery referred to as the ("**Delivery Date**").

31.7.2.4 Physical Collocation will be subject to the additional rules and regulations set forth in **Schedule 31.7**.

31.7.2.5 After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of all Collocated space requested from AT&T. Exceptions that are noted during this acceptance walkthrough shall be corrected by AT&T within thirty (30) days after the walkthrough. AT&T shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions shall be at AT&T's expense, subject to any change orders requested by SBC-AMERITECH.

31.7.2.6 SBC-AMERITECH shall also be entitled to credits for delays by AT&T in provisioning space for Collocation, and for the inability of SBC-AMERITECH to use equipment located in space provided for Collocation as a result of the failure by AT&T to comply with its obligations under this Agreement, pursuant to terms and conditions agreed upon by the Implementation Team.

31.8 Pricing. The prices charged to SBC-AMERITECH for Collocation are set forth in the **Pricing Schedule**.

31.9 Billing. AT&T shall bill SBC-AMERITECH for Collocation pursuant to the requirements of **Article XXVII** to this Agreement.

31.10 Additional Requirements. The additional requirements set forth on **Schedule 31.10** shall be applicable to Physical Collocation.

31.11 Protection of Service and Property. Both Parties shall exercise reasonable care to prevent harm or damage to the other Party, its employees, agents or Customers, or their property. Both Parties, their employees, agents, and representatives agree to take reasonable and prudent steps to ensure the adequate protection of the other Party's property and services, including:

31.11.1 SBC-AMERITECH and AT&T shall restrict access to SBC-AMERITECH equipment, support equipment, systems, tools and data, or spaces which contain or house SBC-AMERITECH equipment enclosures, to SBC-AMERITECH employees and other authorized non-SBC-AMERITECH personnel to the extent necessary to perform their specific job function.

31.11.2 SBC-AMERITECH shall comply at all times with security and safety procedures and existing requirements that are defined by AT&T and communicated to

SBC-AMERITECH.

31.11.3 AT&T shall allow SBC-AMERITECH periodically to inspect or observe spaces which house or contain SBC-AMERITECH equipment or equipment enclosures and furnish SBC-AMERITECH with keys, entry codes, lock combinations, and other materials or information which may be needed to gain entry into any secured SBC-AMERITECH space, subject to **Section 31.11.2** and **Article XX**.

31.11.4 AT&T shall furnish to SBC-AMERITECH a current written list of AT&T employees who AT&T authorizes to enter SBC-AMERITECH's Physical Collocation space, with samples of the identifying credentials to be carried by such persons.

31.11.5 AT&T shall secure external access to the Physical Collocation space on its Premises in the same or equivalent manner that AT&T secures external access to spaces that house AT&T's equipment.

31.11.6 AT&T shall limit the keys used in its keying systems for SBC-AMERITECH's specific Physical Collocation space which contain or house SBC-AMERITECH equipment or equipment enclosures to its employees and representatives to emergency access only. SBC-AMERITECH shall further have the right, at its expense, to have locks changed where deemed necessary for the protection and security of such spaces, provided that SBC-AMERITECH shall immediately provide AT&T with such new keys.

31.11.7 AT&T shall use its existing back-up and recovery plan in accordance with its standard policies for the specific Wire Center.

31.12 Standards of Performance. AT&T shall provide Collocation to SBC-AMERITECH in accordance with the service levels, procedures and intervals to be agreed upon by the Implementation Team.

ARTICLE XXXII PERFORMANCE MEASUREMENTS

32.0 Performance Measurements.

The Parties acknowledge that the Ohio Public Service Commission (“**Commission**”) in Case No. 98-1082-TP-AMT adopted performance measurements and a remedy plan applicable to SBC-AMERITECH.

Accordingly, AT&T and SBC-AMERITECH agree that:

- 32.1 SBC-AMERITECH shall implement Performance Measurements and a remedy plan as determined by the Commission in Case No. 98-1082-TP-AMT and any relevant successor dockets, as well as the state-specified Business Rules developed in relation to such Performance Measurements and remedy plan. To the extent the FCC issues an order related to Performance Measurements and remedies that expressly preempts the state’s authority on these issues, either party may invoke its rights under Article XXIX. SBC-AMERITECH agrees to post the Business Rules on SBC-AMERITECH’s Internet website.
- 32.2 The Performance Measurements and remedy plan referred to herein, notwithstanding any provisions in any other Article or Schedule of this Agreement, are not intended to create, modify or otherwise affect parties’ rights and obligations with respect to OSS access. The existence of any particular performance measure, or the language describing that measure, is not evidence that AT&T is entitled to any particular manner of access, nor is it evidence that SBC-AMERITECH is limited to providing any particular manner of access. The Parties’ rights and obligations to such access are defined elsewhere, including the relevant laws, FCC and PUC decisions/regulations, tariffs, and within this interconnection agreement.
- 32.3 In addition to the exclusions described in the performance measures and Remedy Plan ordered by the Commission, SBC-AMERITECH shall not be obligated to pay liquidated damages or assessments for noncompliance with a performance measurement to the extent that such noncompliance was the result of delays or other problems resulting from actions of a Service Bureau Provider acting as AT&T’s agent for connection to SBC-AMERITECH’s OSS, including Service Bureau Provider provided processes, services, systems or connectivity.
- 32.4 The Parties agree that Performance Measurements, remedy plan and Business Rules may be revised through the Collaborative Process, and the Parties agree to incorporate such changes that are voluntarily agreed to by

all parties to the Collaborative Process when finalized, and on a going forward basis unless otherwise ordered by the Commission. In the event a Party disputes the adoption of a proposed revision in the Collaborative Process, the Party seeking such adoption may raise the issue with the Commission for resolution. Until a final Commission order resolving the issue is effective, the Parties agree to abide by the performance measures, Remedy Plan and Business Rules previously agreed to, adopted in the Collaborative Process, or ordered by the Commission. Nothing in this Article limits the rights of either Party to seek changes to Performance Measurements, Remedy Plan or Business Rules.

- 32.5 Each Party reserves its rights, notwithstanding anything to the contrary, to seek appropriate legal and/or equitable review and relief from any Commission order in regard to Performance Measurements, Remedy Plan or Business Rules. It is SBC-AMERITECH'S position that compliance with and implementation of any such order shall not represent voluntary agreement to pay liquidated damages nor a voluntary or negotiated agreement under Section 252 of the Act or otherwise, and does not in any way constitute a waiver by such Party of its position with respect to such order, or of any rights and remedies it may have to seek review of such order or otherwise contest the applicability of the Performance Measures and remedy plan.
- 32.6 Any payment by SBC-AMERITECH pursuant to the remedy plan described in this **Article XXXII** may be by either direct payment (such as a check) or by bill credit. If AT&T selects the direct payment option, AT&T shall submit the attached form. If AT&T does not submit the attached form, any payment shall be by bill credit.

ARTICLE XXXIII OSS - OPERATIONS SUPPORT SYSTEMS

33.0 Operations Support Systems

33.1 Introduction

33.1.1 This Article sets forth terms and conditions under which the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) will provide access to Operations Support Systems (OSS) interfaces and the related functions for pre-ordering, ordering, provisioning, maintenance/repair, billing, of customer usage data, and account maintenance.

33.1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company, Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.

SBC-13STATE - As used herein, SBC-13STATE means the applicable above listed ILEC(s) doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.

SBC-12STATE - As used herein, SBC-12STATE means the applicable above listed ILEC(s) doing business in Arkansas, California, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.

SBC-8STATE - As used herein, SBC-8STATE means an applicable above listed ILEC(s) doing business in Arkansas, California, Connecticut, Kansas, Missouri, Nevada, Oklahoma, and Texas.

SBC-7STATE - As used herein, SBC-7STATE means the applicable above listed ILEC(s) doing business in Arkansas, California, Kansas, Missouri, Nevada, Oklahoma, and Texas.

SBC-SWBT - As used herein, SBC-SWBT means the applicable above listed ILEC(s) doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.

SBC-AMERITECH - As used herein, SBC-AMERITECH means the applicable above listed ILEC(s) doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.

PACIFIC - As used herein, PACIFIC means the applicable above listed ILEC doing business in California.

NEVADA - As used herein, NEVADA means the applicable above listed ILEC doing

business in Nevada.

SNET - As used herein, SNET means the applicable above listed ILEC doing business in Connecticut.

33.2 Definitions

33.2.1 "LSC" means the Local Service Center (LSC) for SBC-12STATE and the Local Exchange Carrier Center (LECC) for SNET.

33.2.2 "LOC" means the Local Operations Center (LOC) for SBC-13STATE.

33.2.3 "MCPSC" means the Mechanized Customer Production Support Center (MCPSC) for SBC-13STATE.

33.3 General Conditions

33.3.1 For Resale services, UNEs, LNP and interconnection trunk orders not supported via an electronic interface for the preorder, ordering and provisioning processes, SBC-13STATE and AT&T will use manual processes. Should SBC-13STATE develop electronic interfaces for these functions for itself, SBC-13STATE will offer electronic access to AT&T within the specific region that the OSS is made available. In addition to the electronic Interfaces, SBC-13STATE shall provide manual processes available to other CLECs for preordering, ordering, provisioning, and billing functions via SBC-13STATE's LSC or LECC, and for repair and maintenance functions through SBC-13STATE's LOC. AT&T shall use electronic interfaces for OSS unless the electronic interfaces are temporarily unavailable or where a given order cannot be processed electronically or where AT&T provides a forecast for manual orders, provided, however, that the Parties agree to work together to develop a plan to migrate orders that AT&T has elected to submit via manual processes to electronic processes within 12 months. Should AT&T use manual processes, AT&T shall pay any State Commission-approved additional charges associated with these manual processes.

33.3.2 When SBC-13STATE introduces electronic interfaces, in accordance with the Change Management Process referenced in **Section 33.3.12** below, those interfaces will be deemed automatically added to this Article, upon request of AT&T unless SBC-13STATE believes there are essential terms and conditions unique to the new interface that are not included in this Article. In such case, SBC-13STATE shall use its good faith reasonable efforts to notify AT&T and propose such additional terms and conditions in sufficient time that the Parties, negotiating in good faith, may reach agreement on the amendment and have it become effective no later than the date the new interface is made available for use by CLECs.

33.3.2.1 If the Parties have reached agreement on any necessary amendment, and have filed the amendment for Commission approval, but the amendment is not yet effective, then the Parties may agree to implement the amendment rates, terms, and conditions upon making available the OSS to AT&T. If, for any reason, the Parties are unable to reach agreement on the amendment rates, terms, or conditions, in time for the amendment to become effective (under

state Commission rules) on or before the date that the new interface is scheduled to be available for use by CLECs, then, at AT&T's option, AT&T may agree to SBC-13STATE's proposed amendment rates, terms, and conditions on an interim basis with a retroactive true-up to the effective date of such interim amendment based upon the final amendment that subsequently becomes effective between the Parties.

33.3.2.2 SBC-13STATE shall use its good faith reasonable efforts to propose the essential terms and conditions as soon as such terms and conditions are defined, with a target of three (3) months prior to the scheduled release date for the new interface.

33.3.3 When SBC-13STATE retires Interfaces in accordance with the Change Management Process referenced in **Section 33.3.12** below, those Interfaces will be deemed automatically deleted from this Article.

33.3.4 Proper Use of OSS interfaces:

33.3.4.1 For SBC-13STATE, AT&T agrees to utilize SBC-13STATE electronic interfaces, as described herein, only for the purposes of establishing and maintaining Resale Services, UNEs, local number portability and interconnection trunk orders from SBC-13STATE pursuant to this Agreement and applicable tariffs. **Article XXVIII** shall apply to any disputes which arise under this Article, with the exception of disputes related to the improper use of or access to CPNI or any alleged non-compliance with SBC-13STATE's security guidelines.

33.3.4.2 In the event SBC-13STATE has good cause to believe that AT&T has used SBC-13STATE OSS in a way that conflicts with this Agreement or Applicable Law, SBC-13STATE shall give AT&T written notice describing the alleged misuse ("Notice of Misuse"). AT&T shall immediately refrain from the alleged misuse until such time that AT&T responds in writing to SBC-13STATE's Notice of Misuse, which shall be provided to SBC-13STATE within twenty (20) days after receipt of the Notice of Misuse. In the event AT&T agrees with SBC-13STATE's allegation of misuse, AT&T shall refrain from the alleged misuse during the term of this Agreement.

33.3.4.3 **Article XXVIII** shall apply to any disputes which arise under this Article, including disputes related to the alleged improper use of or access to CPNI or any alleged non-compliance with SBC-13STATE's security guidelines. Except as otherwise set forth in this Article, AT&T's liability for improper or unauthorized use of or access to SBC-13STATE's OSS shall be as follows: AT&T shall be responsible for and shall indemnify SBC-13STATE against any cost, expense or liability relating to any unauthorized entry or access into, or improper use or manipulation of SBC-13STATE's OSS by AT&T employees or persons using authorization granted to that person by AT&T to access SBC-13STATE's OSS and shall pay SBC-13STATE for any and all damages caused by such unauthorized entry, improper use or manipulation of SBC-13STATE's OSS.

33.3.5 In the event AT&T does not agree that AT&T's use of SBC-13STATE's OSS is inconsistent with this Agreement or Applicable Law as alleged by SBC-13STATE, then the Parties agree to the following steps:

33.3.5.1 If such alleged misuse involves improper access of pre-order applications to obtain CPNI in violation of this Agreement, Applicable Law, or involves a violation of the security guidelines contained herein, or negatively affects another OSS user's ability to use OSS, AT&T shall continue to refrain from using the particular OSS functionality in the manner alleged by SBC to be improper, until AT&T has implemented a mutually agreeable remedy to the alleged misuse. SBC may invoke the dispute resolution process in **Article XXVIII** to devise such remedy.

33.3.5.2 To remedy the alleged misuse for the balance of the Agreement, Parties will work together as necessary to mutually determine a permanent resolution for the balance of the term of the Agreement.

33.3.6 Upon notice and good cause shown, SBC-13STATE shall have the right to conduct an audit of AT&T's use of the SBC-13STATE OSS. As used in this section, the term "good cause" means that a reasonable person would consider that an audit of AT&T's use of the SBC-13STATE OSS is justified under the circumstances that exist at the time SBC-13STATE elects to conduct such an audit. Such audit shall be limited to auditing those aspects of AT&T's use of the SBC-13STATE OSS that relate to SBC's allegation of misuse as set forth in the Notice of Misuse. SBC-13STATE shall give ten (10) days advance written notice of its intent to audit AT&T ("Audit Notice") under this **Section 33.3.6**, and shall identify the type of information needed for the audit. Such Audit Notice may not precede SBC-13STATE's Notice of Misuse. Within a reasonable time following the Audit Notice, but no less than fourteen (14) days after the date of the notice (unless otherwise agreed by the Parties), AT&T shall provide SBC-13STATE with access to the requested information in any reasonably requested format, at an appropriate AT&T location, unless otherwise agreed to by the Parties. The audit shall be at SBC-13STATE's expense. All information obtained through such an audit shall be deemed proprietary and/or confidential and subject to confidential treatment without necessity for marking such information confidential. SBC-13STATE agrees that it shall only use employees or outside parties to conduct the audit who do not have marketing, strategic analysis, competitive assessment or similar responsibilities within SBC-13STATE, or any SBC affiliate.

33.3.7 Intentionally left blank.

33.3.8 OSS Access to CPNI:

33.3.8.1 Within SBC-13STATE regions, AT&T's access to pre-order functions described in **Sections 33.4.2.2** and **33.4.3.2** will only be utilized to view Customer Proprietary Network Information (CPNI) of another carrier's end user where AT&T has obtained an authorization for release of CPNI from the end user in accordance with applicable law and has obtained an authorization to become the end user's local service provider.

33.3.8.2 This Section applies to PACIFIC ONLY. For residence end users, prior to accessing such information, AT&T shall, on its own behalf and on behalf of PACIFIC, comply with all applicable requirements of Section 2891 of the California Public Utilities Code and 47 USC 222 (and implementing FCC decisions thereunder), and, where accessing such

information via an electronic interface, AT&T shall have obtained an authorization to become local service provider of the end user. Accessing such information by AT&T shall constitute certification that AT&T is in compliance with applicable requirements of Section 2891 and Section 222 (and implementing FCC decisions thereunder) and has complied with the prior sentence. AT&T shall receive and retain such information in conformance with the requirements of 47 USC 222 (and implementing FCC decisions thereunder). AT&T agrees to indemnify, defend and hold harmless PACIFIC against any claim made by a residence end user or governmental entity against PACIFIC or AT&T under Section 2891 or Section 222 (and implementing FCC decisions thereunder) or for any breach by AT&T of this Section.

33.3.8.3 Throughout SBC-13STATE region, AT&T is solely responsible for determining whether proper authorization has been obtained and holds SBC-13STATE harmless from any loss on account of AT&T's failure to obtain proper CPNI consent from an End User.

33.3.9 SBC-13STATE will provide AT&T with access to the Interfaces during the hours of operation posted in the Handbook on the CLEC Online Website. Changes to hours of operation will be handled in accordance with the Change Management Process.

33.3.10 SBC-13STATE shall provide support for the Interfaces described in this Article. In accordance with the SBC-13STATE Change Management Process, AT&T will provide a single point of contact for issues related to the Interfaces. This point of interface is known as the CMP SPOC. Each Party shall also provide to the other Party telephone numbers for resolution of problems in connection with pre-ordering, ordering, provisioning and maintenance of the services. SBC-13STATE shall list the business days and hours for each call center in SBC-13STATE's CLEC Handbook (CLEC Online website) and notice any changes via Accessible Letter. Minimum hours of operation for each center shall be:

IS Call Center: 7 days per week, 24 hours per day

LSC, LECC, MCPSC: Monday through Friday, excluding Holidays, 8:00 AM to 5:00 PM (in each applicable timezone)

LOC– Maintenance: 7 days per week, 24 hours per day

LOC– Provisioning: Monday through Friday, excluding Holidays, 8:00 AM to 5:00 PM (in each applicable timezone)

The Parties shall ensure adequate coverage in its service centers during these minimum hours.

33.3.11 SBC-13STATE and AT&T will establish interface contingency plans and disaster recovery plans for the pre-order, ordering and provisioning of Resale services and UNE.

33.3.12 The Parties will follow the final adopted guidelines of Change

Management as may be modified from time to time in accordance with the Change Management principles. Those guidelines (or any successor), as they may be modified from time to time, are incorporated into this Agreement by reference as if fully set forth herein.

33.3.13 Intentionally left blank.

33.3.14 AT&T is responsible for obtaining operating system software and hardware to access SBC-13STATE OSS functions as specified in **Sections 33.10** and **33.11** of this Article.

33.3.15 For all SBC states, the performance measures and remedy plans applicable to the OSS interfaces shall be as agreed between the parties in the relevant state-specific interconnection agreements, if any.

33.3.16 SBC-13 STATE will recognize AT&T as the customer of record for AT&T's local exchange line subscribers for all services ordered by AT&T under this agreement and will send all notices, invoices and pertinent information directly to AT&T. Except as otherwise specifically provided in this Agreement, AT&T shall be the single point of contact for all AT&T end users as to the services for which AT&T is the authorized service provider. Each Party shall refer all questions regarding the other Party's service or product directly to the other Party at a telephone number specified by the other Party. Each Party shall ensure that all their representatives who receive inquiries regarding the other Party's services: (i) provide such numbers to callers who inquire about the other Party's services or products; and (ii) do not in any way disparage or discriminate against the other Party, or its products or services.

33.3.17 Each Party will abide by applicable state or federal laws and regulations in obtaining end user authorization prior to changing the end user's local service provider to itself and in assuming responsibility for any applicable charges as specified in Section 258(b) of the Telecommunications Act of 1996. If an end user initiates a challenge to a change in its local exchange service provider, or if otherwise required by law or a regulatory authority, the Parties shall cooperate in providing each other information about the end user's authorization for the change.

33.3.18 For ease of administration, this Article contains certain specified rates, terms and conditions which apply only in a designated state ("state-specific terms"). To the extent that this Article contains specified rates, terms and conditions which apply only in a given state, such rates, terms and conditions shall not apply and shall have no effect in any other state(s) to which this Article is submitted for approval under Section 252(e) of the Act. State specific terms have been negotiated by the Parties only as to the states where this Article has been executed, filed and approved. When the parties negotiate an OSS Attachment for an additional state, neither Party shall be precluded by any language in this Article from negotiating state-specific terms for the state in which they are to apply.

33.4 Pre-Ordering.

33.4.1 SBC-13STATE will provide real time electronic access to pre-order

functions to support AT&T's orders. The Parties acknowledge that ordering requirements necessitate the use of current, real time pre-order information to accurately build service orders. SBC-13STATE will make the following pre-order functions available to AT&T.

33.4.2 Pre-ordering functions for Resale Services and UNEs include:

33.4.2.1 Feature/Service Availability:

33.4.2.1.1 Feature Inquiry provides SBC-12STATE with feature and service availability by WTN, NPA/NXX, and CLLI Code (as applicable). For SNET, features will be available based on NPA-NXX.

33.4.2.1.2 PIC/LPIC Inquiry provides SBC-12STATE Primary Interexchange Carrier (PIC) options for intraLATA toll and interLATA toll.

33.4.2.2 Customer Service Information - CSI Inquiry:

Access to SBC-13STATE retail or resold CPNI and account information for pre-ordering will include: billing name, service address, billing address, service and feature subscription, directory listing information, long distance carrier identity, and for SBC-12STATE, pending service order activity is included. CLEC agrees that CLEC's representatives will not access the information specified in this subsection until after the End User requests that his or her Local Service Provider be changed to CLEC, and an End User authorization for release of CPNI complies with conditions as described in **Section 33.3.2** of this Article.

33.4.2.3 Telephone Number Inquiry:

SBC-13STATE provides a Telephone Number Reservation Inquiry and a Cancel Reservation function. With the rollout of the Uniform PreOrder Interfaces, SBC-AMERITECH also provides a Telephone Number Confirmation Inquiry function.

33.4.2.4 Scheduling Inquiry/Availability:

33.4.2.4.1 Due Date Inquiry provides next available dates for the End User (where available).

33.4.2.4.2 Dispatch Inquiry provides information to indicate whether dispatch is required.

33.4.2.5 Address Validation Inquiry: SBC-13STATE provides address validation function.

33.4.2.6 Loop Pre-Qualification and Loop Qualification Inquiry:

SBC-13STATE provides pre-order loop qualification information specific to DSL capable and Line Shared UNE loops consistent with the XDSL and Advanced Services OSS Plan of Record filed 4/3/00 and approved by FCC on 12/22/00.

33.4.2.7 Common Language Location Indicator (CLLI) Inquiry:

Provided in SBC-12STATE. Will be available across SBC-13STATE with the Uniform POR Release of Pre-Order interfaces.

33.4.2.8 Connecting Facility Assignment (CFA) Inquiry:

Provided in SBC-12STATE. Will be available across SBC-13STATE with the Uniform POR Release of Pre-Order interfaces.

33.4.2.9 Network Channel/Network Channel Interface (NC/NCI)

Inquiry:

Provided in SBC-12STATE. Will be available across SBC-13STATE with the Uniform POR Release of Pre-Order interfaces.

33.4.4 Electronic Access to Pre-Order Functions:

33.4.4.1 **SBC-SWBT Resale Services Pre-order System**

Availability: SBC-SWBT will provide AT&T access to one or more of the following systems:

33.4.4.1.1 Consumer Easy Access Sales Environment (C-EASE):

C-EASE is an ordering entry system through which SBC-SWBT provides AT&T access to the functions of pre-ordering to order SBC-SWBT residential Resale services.

33.4.4.1.2 Business Easy Access Sales Environment (B-EASE):

B-EASE is an ordering entry system through which SBC-SWBT provides AT&T access to the functions of pre-ordering to order SBC-SWBT business Resale services.

33.4.4.1.3 Service Order Retrieval and Distribution (SORD) is

available to order SBC-SWBT Resale service.

33.4.4.2 **PACIFIC and NEVADA Resale Services Pre-Order**

System Availability: PACIFIC will provide AT&T access to the following system:

33.4.4.2.1 Service Order Retrieval and Distribution (SORD) is

available for the pre-order function of viewing the CPNI, when SORD is used to order PACIFIC Resale service.

33.4.4.3 **SNET Resale Service Pre-Order System Availability:**

SBC/SNET will provide AT&T access to the following applications through its proprietary W-CIWin interface.

33.4.4.3.1 W-SNAP is an order entry application through which

SNET provides AT&T access to pre-ordering functionality embedded in the ordering tool.

33.4.4.3.2 CCTOOLS is a toolbar that provides icons for

accessing pre-order GUI applications.

33.4.4.3.3 Electronic Forms (EF) is an automated workflow

process for obtaining pre-order information for specific complex resale products.

33.4.4.4 **SNET Resale Services, UNE, and LNP-Pre-Order System**

Availability: SNET will provide AT&T access to its MSAP:

33.4.4.4.1 MSAP is an Electronic Data Interchange (EDI) based interface which provides access to pre-order functions.

33.4.4.5 **SBC-12STATE Resale Services, UNE and LNP Pre-Order**

System Availability: SBC-12STATE will provide AT&T access to the following system:

33.4.4.5.1 An industry standard EDI/CORBA Pre-ordering Gateway is also provided by SBC-12STATE. This pre-ordering gateway supports two structural protocols, EDI and CORBA, as recommended by the technical industry committees. EDI/CORBA is an application-to-application interface that can be integrated with the AT&T's own systems.

33.4.4.5.2 Enhanced VeriGate is a CLEC interface developed by SBC-12STATE that provides access to the pre-ordering functions. Enhanced VeriGate is accessible via the Web- Toolbar.

33.4.5 Other Pre-order Function Availability:

33.4.5.1 Where pre-ordering functions are not available electronically, CLEC will manually request this information from the LSC, dependent on operating region, for inclusion on the service order request.

33.4.5.2 Data Validation Files are available for the purpose of providing requesting CLECs with an alternate method of acquiring pre-ordering information that is considered relatively static. Upon request, SBC-12STATE will provide CLECs with any of the following Data Validation Files via Connect: Direct, CD-ROM, or downloadable via the pre-order GUI – Enhanced Verigate. Due to its size, the Street Address Guide (SAG) will be available only via Connect:Direct, and CD-ROM.

Data Validation Files:

- SAG (Street Address Guide)
- Feature/Service Availability by Switch
- Directory Names
- Class of Service Codes
- USOC (Universal Service Order Codes)
- Community Names
- Yellow Page Headings
- PIC/LPIC (InterLATA/IntraLATA)

33.5 **Ordering/Provisioning**

33.5.1 SBC-13STATE provides access to ordering functions via one or more electronic interfaces pursuant to **Section 33.3.1** of this Article. AT&T will format the service request to identify what features, services, or elements it wishes SBC-13STATE to provision in accordance with applicable SBC-13STATE ordering requirements, (where currently available) and/or other ordering requirements which have been mutually agreed, and will be implemented pursuant to **Section 33.3.12** (Change Management) of this Article.

33.5.2 SBC-13STATE will provide AT&T access to one or more of the following systems or interfaces:

Resale Service Order Request and Provisioning System Availability:

33.5.3 In SBC-SWBT:

33.5.3.1 R-EASE is available for the ordering of residential Resale services.

33.5.3.2 B-EASE is available for the ordering of business Resale services.

33.5.3.3 A file transmission may be provided to confirm order completions for R-EASE or B-EASE order processing. This file will provide service order information of all distributed and completed orders for AT&T.

33.5.3.4 SORD interface provides AT&T with the ability to create simple and complex Resale orders that cannot be ordered through Easy Access Sales Environment (EASE), Electronic Data Interchange (EDI) or Web Local Exchange (WebLEX). In addition, the SORD interface supports the modification of service orders submitted electronically by AT&T. The Parties agree that the following conditions are applicable to electronically generated service orders with errors corrected via SORD. If AT&T chooses to use SORD to issue orders, then AT&T becomes responsible for correction of all service order errors between order application and order completion that occur on mechanically generated service orders created or modified by AT&T. AT&T may need to call the LSC to obtain additional information. AT&T may also choose to clear service order errors, even though AT&T is not initiating service orders via SORD. AT&T would then become responsible for correction of all errors, as detailed above. For terms and conditions for service order error correction within SORD, see **Section 33.5.3.5**.

33.5.3.5 As detailed in **Sections 33.5.3.4, 33.5.5.3, 33.5.9.1, 33.5.9.2**, the Parties agree that the following timelines are applicable to electronically generated service orders with errors corrected via SORD:

Errors occurring between order generation and distribution must be corrected within five (5) hours for a simple order and within twenty-four (24) hours for a complex order;

Error Service Order Image (ESOI) errors must be corrected within three (3) business hours.

Service orders will be excluded from calculation of the results for all related performance

measurements, described in the Performance Measures Article, as applicable if AT&T fails to correct service order errors within the timeframes specified in this **Section 33.5.3.5**.

Additionally, service orders with errors that occur after order generation, but prior to distribution will not qualify for a SBC-SWBT issued FOC.

33.5.4 In NEVADA only:

33.5.4.1 Pacific Bell Service Manager (PBSM) is available for ordering Centrex and ISDN Resale services.

33.5.4.2 When available, SORD system will support the ordering of all Resale Services.

33.5.5 In PACIFIC only:

33.5.5.1 Intentionally left blank.

33.5.5.2 Pacific Bell Service Manager (PBSM) is available for ordering Centrex and ISDN Resale services.

33.5.5.3 SORD system supports the ordering of all Resale Services in SBC-7STATES. If AT&T chooses to use SORD to issue orders in PACIFIC, any service order errors will be corrected by the LSC. AT&T will be given a list generated by the LSC of AT&T order errors, and AT&T will be responsible for contacting their customer when necessary to clear an error. With AT&T being the point of contact for their customer, AT&T agrees to respond timely to the LSC with correct information in order for LSC to complete the correction of the error and subsequent completion of the order. For terms and conditions for service order error correction within SORD, see **Section 33.5.3.5** above.

33.5.6 Intentionally left blank.

33.5.7 In SNET, Resale ordering is supported by W-CIWin (SNET's proprietary GUI interface).

33.5.7.1 W-SNAP is made available for the ordering of non-complex Resale products and services.

33.5.7.2 Order Negotiation (as part of CCTOOLS) is made available for the ordering of complex Resale products and services.

33.5.7.3 Electronic Forms (EF) is an automated workflow process for ordering of specific complex Resale products and services.

Resale and UNE Service and LNP Order Request and Provisioning System Availability:

33.5.8 SBC-13STATE makes available to AT&T an Electronic Data Interchange (EDI) interface for transmission of SBC-13STATE ordering requirements via formats provided on the Local Service Request (LSR) as defined by the OBF and via EDI mapping as defined by TCIF. In ordering and provisioning Resale, AT&T and SBC-13STATE will utilize industry guidelines developed by OBF and TCIF EDI to transmit data based upon SBC-13STATE's Resale ordering requirements, dependent on operating region. In ordering and provisioning UNE, AT&T and SBC-13STATE will utilize industry guidelines developed by OBF and TCIF EDI to transmit data based upon SBC-13STATE's UNE ordering requirements dependent on operating region. In addition, Local Number Portability (LNP) and, where applicable, Interim Number Portability (INP), will be ordered consistent with the OBF LSR and EDI process.

33.5.9 For SBC-SWBT and PACIFIC regions, SORD interface provides CLECs with the ability to create simple and certain complex UNE orders that cannot be initiated through EASE, EDI or WebLEX.

33.5.9.1 For SBC-SWBT, the SORD interface supports the modification of service orders submitted electronically by AT&T. The Parties agree that the following conditions are applicable to electronically generated service orders with errors corrected via SORD: If AT&T chooses to use SORD to issue orders, then AT&T becomes responsible for correction of all service order errors between order application and order completion that occur on mechanically generated service orders created or modified by AT&T. AT&T may need to call the LSC to obtain additional information. AT&T may also choose to clear service order errors, even though AT&T is not initiating service orders via SORD. AT&T would then become responsible for correction of all errors, as detailed above. For terms and conditions for service order error correction within SORD, see **Section 33.5.3.5** above.

33.5.9.2 In SBC-PACIFIC region, any service order errors will be corrected by the LSC. AT&T will be given a list generated by the LSC of AT&T order errors, and AT&T will be responsible for contacting their customer when necessary to clear an error. AT&T shall respond timely to the LSC with correct information regarding orders submitted to SORD in order for LSC to complete the correction of the error and subsequent completion of the order. For terms and conditions for service order error correction within SORD, see **Section 33.5.3.5** above.

33.5.10 Intentionally left blank.

33.5.11 In ordering and provisioning Unbundled Dedicated Transport and local interconnection trunks, AT&T and SBC will utilize SBC's ordering requirements which are based on industry ASR guidelines developed by OBF. SBC-13STATE support the ordering of Unbundled Dedicated Transport and local interconnection trunks for purposes of this Agreement via an ASR. These ASRs are transmitted to SBC-13STATE via NDM Direct Connect.

33.5.12 For SBC-12STATE, WebLEX is the new uniform ordering GUI interface that provides access to the uniform ordering functions for Resale Services, UNEs, and Local Number Portability. WebLEX is accessible via a Web Toolbar.

33.5.13 In SNET, MSAP (SBC-13STATE's EDI-based industry standard app-to-app interface) is available for the ordering of both complex and non-complex Resale Services, as well as the ordering of UNEs and Local Number Portability.

33.6 Additional Terms For Provisioning

33.6.1 Provisioning for Resale Services and UNEs in SBC-13STATE:

33.6.1.1 Intentionally left blank.

33.6.1.2 Intentionally left blank.

33.6.1.3 When AT&T places an electronic order using SBC's LSOR based ordering system (e.g. EDI and WebLEX) or the ASR-based ordering system, SBC-13STATE will provide AT&T with an electronic confirmation notice. The confirmation notice will follow industry-standard formats and contain the SBC-13STATE due date for order completion. ("Due Date"). Upon completion of an LSR, SBC-13STATE will provide AT&T with an electronic completion notice which follows industry-standard formats and which states when that order was completed.

33.6.1.4 When AT&T places an electronic order using SBC's LSOR based ordering system (e.g. EDI and WebLEX), SBC-13STATE shall provide electronic jeopardy notification of any instances when SBC-13STATE's due dates are in jeopardy of not being met by SBC-13STATE. This notice is known as a jeopardy notice and will be used to notify the CLEC in any instance where a Firm Order Confirmation has been sent and the due date of the order is in jeopardy of being met for any reason. Jeopardy codes are sent at service order level. When AT&T places an electronic order using either SBC's LSOR-based ordering system (e.g. EDI and WebLEX) or the ASR based ordering system, SBC-13STATE shall provide electronic notification when an order contains rejections/errors in any of the data element(s) fields. This notice is known as a reject error notification and such notice will rarely be sent following a firm order confirmation. SBC-13STATE shall give such notice as soon as it identifies the jeopardy or reject.

33.6.2 Provisioning for Resale Services and UNEs in SBC-12STATE: SBC-12STATE will provision Resale services and UNEs as detailed in AT&T service order requests. Access to order status on such requests will be provided via the following electronic interfaces:

33.6.2.1 For SBC-12STATE, Order Status and Provisioning Order Status functionality is provided through the Enhanced Verigate interface which will allow AT&T to check service order status. In addition, for SBC-SWBT pending orders can be viewed in SORD.

33.6.2.2 For SBC-12STATE, EDI also provides service order status functions, including order acknowledgement, Firm Order Confirmation (FOC), service completion, and, as available, other provisioning data and information.

33.6.3 Provisioning for Resale services and UNEs in PACIFIC and NEVADA: PACIFIC and NEVADA will provision Resale services and UNE as detailed in AT&T order

requests. Access to status on such orders is provided via the following electronic interfaces:

33.6.3.1 For SBC-PACIFIC and SBC-NEVADA, the Pacific Bell Order Dispatch (PBOD) functions via DataGate allows AT&T to check status of basic exchange service orders that require field work. PACIFIC and NEVADA also offers Provisioning order status to check the status of service orders.

33.7 Maintenance/Repair

33.7.1 to 33.7.8 Intentionally left blank.

33.7.9 SBC-13 STATE will provide AT&T access to the following electronic interfaces to place and check the status of trouble reports for Resale, UNEs and LNP:

33.7.9.1 In SBC-7STATE, Trouble Administration (TA) system access provides AT&T with SBC-7STATE software that allows AT&T to submit trouble reports and subsequently check status on trouble reports for AT&T End-Users. TA will provide the ability to review the maintenance history of a converted Resale AT&T account. TA is accessible via SBC-7STATE Classic Toolbar.

33.7.9.2 In PACIFIC and NEVADA, Pacific Bell Service Manager (PBSM) allows AT&T to perform MLT, issue trouble tickets, view status, and view trouble history on-line.

33.7.9.3 In SBC-12STATE, Electronic Bonding/Trouble Administration- Graphical User Interface (EBTA-GUI) allows AT&T to issue trouble tickets, view status, and view trouble history on-line.

33.7.9.4 In SBC SNET the maintenance and repair functionality for Resale services and UNEs is available via the MSAP EDI interface. In addition, for Resale products and services, trouble history and trouble status functions are available via CCTOOLS.

33.7.9.5 In SBC-12STATE, Electronic Bonding/Trouble Administration (EB/TA) is an application-to-application interface that is available for trouble report submission and status updates. EBTA conforms to ANSI guidelines T1.227:1995, T1.228:1995 and T1.262:1998, Electronic Communications Implementation Committee (ECIC) Trouble Report Format Definition (TFRD) Number 1 as defined in ECIC document ECIC/TRA/95-003, and all guidelines referenced within those documents, as mutually agreed upon by AT&T and SBC-12STATE. Functions currently implemented include Enter Trouble, Request Trouble Report Status, Add Trouble Information, Modify Trouble Report Attributes, Trouble Report Attribute Value Change Notification, and Cancel Trouble Report, as explained in 6 and 9 of ANSI T1.228:1995. AT&T and SBC-12STATE will exchange requests over a mutually agreeable X.25-based network.

33.8 Billing And Customer Usage

33.8.1 SBC-13STATE will send associated billing information to AT&T as necessary to allow AT&T to perform billing functions. At minimum, SBC-13STATE will provide AT&T billing information in a paper format or via 18 track magnetic tape, as agreed to between AT&T and SBC-13STATE. Such alternate bill media will be made available to CLEC consistent with the individual state tariff provisions.

33.8.1.1 For Resale Services in PACIFIC, AT&T may elect to receive Custom Billing Disk/ CD Bill. Custom Billing Disk/ CD Bill provides an electronic bill with the same information as a paper bill along with various reporting options.

33.8.1.2 For Resale Services in SBC-AMERITECH, AT&T may elect to receive its bill on CD.

33.8.2 Electronic access to billing information for Resale services will also be available via the following interfaces:

33.8.2.1 In SBC-SWBT, AT&T may receive Bill PlusTM, an electronic version of its bill, as described in, and in accordance with, SBC-SWBT's Local Exchange Tariff.

33.8.2.2 In SBC-SWBT, AT&T may also view billing information through the Bill Information interface. Bill Information will be accessible via SBC-SWBT Classic Toolbar.

33.8.2.3 In SBC-13STATE, AT&T may receive a mechanized bill format via the EDI 811 transaction set.

33.8.2.4 In SBC-12STATE, AT&T may receive electronically a Usage Extract Feed, or in SBC 13STATE, a Daily Usage Feed (DUF). On a daily basis, this feed provides information on the usage billed to its accounts for Resale services in the industry standardized EMR format.

33.8.2.5 Intentionally left blank.

33.8.2.6 In SBC-13STATE, AT&T may receive a Billing Detail File on cartridge or 18 track magnetic tape.

33.8.2.7 In SBC-AMERITECH, AT&T may receive a mechanized bill via the SBC-AMERITECH Electronic Billing System (AEBS) transaction set.

33.8.3 Electronic access to billing information for UNEs (and for LNP and interconnection trunks where noted below) will also be available via the following interfaces:

33.8.3.1 For UNEs, LNP, and interconnection trunks, SBC-13STATE makes available to AT&T a local Bill Data Tape to receive data in an electronic format from its CABS database. The local Bill Data Tape contains the same information that would appear on AT&T's paper bill.

33.8.3.2 In SBC-SWBT, AT&T may also view billing information through the Bill Information interface. Bill Information will be accessible via SBC-SWBT Classic Toolbar.

33.8.3.3 In SBC-12STATE, AT&T will receive a Usage Extract Feed, or in SBC 13STATE, a Daily Usage Feed (DUF), electronically, on a daily basis, with information on the usage billed to its accounts for UNEs in the industry standardized Exchange Message Record (EMR) format.

33.9 Local Account Maintenance

Loss Notification

33.9.1 SBC-13STATE will provide Loss Notifications. This notification alerts AT&T that a change requested by another Telecommunications Carrier (TC) has been completed and, as a result, the Local Service Provider associated with a given telephone number has been changed. It will be provided via the uniform ordering application-to-application interface using the 836 transaction, and will also be available via the uniform ordering GUI interface. The current loss notification processes via industry standard CARE record format will remain in effect until full implementation and testing of the new Loss Notification processes is completed.

Change of Preferred InterLATA or IntraLATA Carrier

33.9.2 SBC-13STATE shall accept and process the following types of preferred carrier changes sent by AT&T for end users subscribing to AT&T local service: (1) intraLATA toll, and (2) interLATA toll.

33.9.3 When an AT&T end user authorizes a change of one of its preferred carrier designations, AT&T shall notify SBC-13STATE of this change using a Local Service Request ("LSR") which it will send to SBC-13STATE over the ordering gateway for provisioning local service. SBC-13STATE will not accept requests to change the PIC on a Resale, UNE Port or UNE Loop with Port Combination service via the CARE process. SBC-13STATE will follow industry guidelines in rejecting requests received via the CARE process.

33.9.4 AT&T acknowledges that these orders shall be processed via LSR Change orders and not the industry-standard PIC change process which is used with retail accounts.

33.10 Remote Access Facility

33.10.1 For the SBC-SWBT region, AT&T must access the following OSS interfaces via a SWBT Remote Access Facility (LRAF) located in Dallas, Texas: R-EASE; B-EASE; EDI-Ordering (via EDI Interactive Agent); EDI-PreOrdering (via EDI Interactive Agent or CORBA); SORD; Electronic Bonding/Trouble Administration "EB/TA"; Toolbar Trouble Administration; EBTA-GUI; Enhanced Verigate, WebLEX, and Bill Information. Connection to the LRAF will be established via a "port" either through dial-up or direct connection as described in

Section 33.10.4.

33.10.2 In PACIFIC and NEVADA regions, AT&T must access the following OSS interfaces via a Pacific Remote Access Facility (PRAF) located in Fairfield, California: EDI-Ordering (via EDI/SSL); EDI-PreOrdering (via EDI/SSL or CORBA); SORD; Electronic Bonding/Trouble Administration (via EB/TA); Toolbar; Enhanced Verigate; WebLEX; and PBSM. Connection to the PRAF will be established via a “port” either through dial-up or direct connection as described in **Section 33.10.4**; provided, however, that AT&T may, at its option, interface with PACIFIC’s EDI ordering application as described above through SBC’s Local Remote Access Facility (“LRAF”). If AT&T chooses to use the LRAF for electronic orders, all AT&T EDI orders must be transmitted to the LRAF and none may be sent via the PRAF.

33.10.3 In the Ameritech region, AT&T must access the following OSS interfaces via an Ameritech Remote Access Facility (ARAF) located in Chicago, Illinois. EDI-Ordering; Electronic Bonding/Trouble Administration (via EB/TA); Toolbar; Enhanced Verigate; and WebLEX Connection to the ARAF will be established via a “port” either through dial-up or direct connection as described in **Section 33.10.4**; provided, however, that AT&T may, at its option, interface with SBC-AMERITECH’s EDI ordering application as described above through SBC’s Local Remote Access Facility (“LRAF”). If AT&T chooses to use the LRAF for electronic orders, all AT&T EDI orders must be transmitted to the LRAF and none may be sent via the ARAF.

33.10.4 For SBC-13STATE, AT&T may use three types of access: Switched, Private Line, and Frame Relay. For Private Line and Frame Relay “Direct Connections,” AT&T shall provide its own router, circuit, and two Channel Service Units/Data Service Units (CSU/DSU). The demarcation point shall be the router interface at the RAF. Switched Access “Dial-up Connections” require AT&T to provide its own modems and connection to the SBCRAF. AT&T shall pay the cost of the call if Switched Access is used.

33.10.5 For SBC-13STATE, AT&T shall use TCP/IP to access SBC-13STATE OSS via an SBC RAF. In addition, AT&T shall have at least one unique public-registered Internet Protocol (IP) network address subnet per region. AT&T shall maintain a user-id / password unique to each individual for accessing an SBC-13STATE OSS on AT&T’s behalf. AT&T shall provide estimates regarding its volume of transactions, number of concurrent users, desired number of private line or dial-up (switched) connections, and length of a typical session.

33.10.6 For SBC-13STATE, AT&T shall attend and participate in implementation meetings to discuss AT&T RAF access plans in detail and schedule testing of such connections.

33.10.7 For SBC-13STATE region, AT&T may use a private line connection. AT&T shall provide and maintain own router and CSU/DSU.

33.10.8 For dedicated RAF locations (e.g. LRAF, PRAF, ARAF, and SRAF) if AT&T wants to establish connectivity for the first time, or if AT&T wants to upgrade their existing connection, then SBC will provide specifications for connecting to the new dedicated RAF facility. AT&T connections to any other facility within the SBC-13STATE service areas will

become grandfathered and no new AT&T connections will be made to such non-dedicated facilities.

33.11 Data Connection Security Requirements

33.11.1 AT&T agrees that interconnection of AT&T data facilities with SBC-13STATE data facilities for access to OSS will be in compliance with the applicable regional interconnection procedures: "SBC-13STATE Competitive Local Exchange Carrier (CLEC) Operations Support System Interconnection Procedures" document, current at the time of initial interconnection in each region for access to SBC-13STATE's OSS. The following additional terms in this section govern direct and dial up connections between AT&T and SBC-13STATE for access to OSS Interfaces:

33.11.2 Joint Security Requirements.

33.11.2.1 Both Parties will maintain accurate and auditable records that monitor user authentication and machine integrity and confidentiality (e.g., password assignment and aging, chronological logs configured, system accounting data, etc.).

33.11.2.2 Both Parties shall maintain accurate and complete records detailing the individual data connections and systems to which they have granted the other Party access or interface privileges. These records will include, but are not limited to, userID assignment, user request records, system configuration, and time limits of user access or system interfaces. These records should be kept until the termination of this Agreement or the termination of the requested access by the identified individual. Either Party may initiate a compliance review of the connection records to verify that only the agreed to connections are in place and that the connection records are accurate.

33.11.2.3 Each Party shall notify the other party immediately, upon termination of employment of an individual user with approved access to the other Party's network.

33.11.2.4 Both Parties shall use an industry standard virus detection software program at all times. The Parties shall immediately advise each other by telephone upon actual knowledge that a virus or other malicious code has been transmitted to the other Party.

33.11.2.5 All physical access to equipment and services required to transmit data will be in secured locations. Verification of authorization will be required for access to all such secured locations. A secured location is where walls and doors are constructed and arranged to serve as barriers and to provide uniform protection for all equipment used in the data connections which are made as a result of the user's access to either AT&T or SBC-13STATE network. At a minimum, this shall include: access doors equipped with card reader control or an equivalent authentication procedure and/or device, and egress doors which generate a real-time alarm when opened and which are equipped with tamper resistant and panic hardware as required to meet building and safety standards.

33.11.2.6 Both Parties shall maintain accurate and complete records on the card access system or lock and key administration to the rooms housing the equipment utilized

to make the connection(s) to the other Party's network. These records will include management of card or key issue, activation or distribution and deactivation.

33.11.3 Additional Responsibilities of Both Parties.

33.11.3.1 Modem/DSU Maintenance And Use Policy: To the extent the access provided hereunder involves the support and maintenance of AT&T equipment on SBC-13STATE's premises, such maintenance will be provided under the terms of the Competitive Local Exchange Carrier (CLEC) Operations Support System Interconnection Procedures document cited above.

33.11.3.2 Monitoring: Each Party will monitor its own network relating to any user's access to the Party's networks, processing systems, and applications. This information may be collected, retained, and analyzed to identify potential security risks without notice. This information may include, but is not limited to, trace files, statistics, network addresses, and the actual data or screens accessed or transferred.

33.11.3.3 Each Party shall notify the other Party's security organization immediately upon initial discovery of actual or suspected unauthorized access to, misuse of, or other "at risk" conditions regarding the identified data facilities or information. Each Party shall provide a specified point of contact. If either Party suspects unauthorized or inappropriate access, the Parties shall work together to isolate and resolve the problem.

33.11.3.4 In the event that one Party identifies inconsistencies or lapses in the other Party's adherence to the security provisions described herein, or a discrepancy is found, documented, and delivered to the non-complying Party, a corrective action plan to address the identified vulnerabilities must be provided by the non-complying Party within thirty (30) calendar days of the date of the identified inconsistency. The corrective action plan must identify what will be done, the Party accountable/responsible, and the proposed compliance date. The non-complying Party must provide periodic status reports (minimally monthly) to the other Party's security organization on the implementation of the corrective action plan in order to track the work to completion.

33.11.3.5 In the event there are technological constraints or situations where either Party's corporate security requirements cannot be met, the Parties will institute mutually agreed upon alternative security controls and safeguards to mitigate risks.

33.11.3.6 All network-related problems will be managed to resolution by the respective organizations, AT&T or SBC-13STATE, as appropriate to the ownership of a failed component. As necessary, AT&T and SBC-13STATE will work together to resolve problems where the responsibility of either Party is not easily identified.

33.11.4 Information Security Policies And Guidelines For Access To Computers, Networks and Information By Non-Employee Personnel:

33.11.4.1 Information security policies and guidelines are designed to

protect the integrity, confidentiality and availability of computer, networks and information resources. **Sections 33.11.5** through **33.11.11** summarize the general policies and principles for individuals who are not employees of the Party that provides the computer, network or information, but have authorized access to that Party's systems, networks or information. Questions should be referred to AT&T or SBC-13STATE, respectively, as the providers of the computer, network or information in question.

33.11.4.2 It is each Party's responsibility to notify its employees, contractors and vendors who will have access to the other Party's network, on the proper security responsibilities identified within this Article. Adherence to these policies is a requirement for continued access to the other Party's systems, networks or information. Exceptions to the policies must be requested in writing and approved by the other Party's information security organization.

33.11.5 General Policies.

33.11.5.1 Each Party's resources are for approved business purposes only.

33.11.5.2 Each Party may exercise at any time its right to inspect, record, and/or remove all information contained in its systems, and take appropriate action should unauthorized or improper usage be discovered.

33.11.5.3 Individuals will only be given access to resources that they are authorized to receive and which they need to perform their job duties. Users must not attempt to access resources for which they are not authorized.

33.11.5.4 Authorized users must not develop, copy or use any program or code which circumvents or bypasses system security or privilege mechanism or distorts accountability or audit mechanisms.

33.11.5.5 Actual or suspected unauthorized access events must be reported immediately to each Party's security organization or to an alternate contact identified by that Party. Each Party shall provide its respective security contact information to the other.

33.11.6 User Identification.

33.11.6.1 Access to each Party's corporate resources will be based on identifying and authenticating individual users in order to maintain clear and personal accountability for each user's actions.

33.11.6.2 User identification shall be accomplished by the assignment of a unique, permanent userid, and each userid shall have an associated identification number for security purposes.

33.11.6.3 Userids will be revalidated on a monthly basis.

33.11.7 User Authentication.

33.11.7.1 Users will usually be authenticated by use of a password. Strong authentication methods (e.g. one time passwords, digital signatures, etc.) may be required in the future.

33.11.7.2 Passwords must not be stored in script files.

33.11.7.3 Passwords must be entered by the user in real time.

33.11.7.4 Passwords must be at least 6-8 characters in length, not blank or a repeat of the userid; contain at least one letter, and at least one number or special character must be in a position other than the first or last one. This format will ensure that the password is hard to guess. Most systems are capable of being configured to automatically enforce these requirements. Where a system does not mechanically require this format, the users must manually follow the format.

33.11.7.5 Systems will require users to change their passwords regularly (usually every 31 days).

33.11.7.6 Systems are to be configured to prevent users from reusing the same password for 6 changes/months.

33.11.7.7 Personal passwords must not be shared. A user who has shared his password is responsible for any use made of the password.

33.11.8 Access and Session Control.

33.11.8.1 Destination restrictions will be enforced at remote access facilities used for access to OSS Interfaces. These connections must be approved by each Party's corporate security organization.

33.11.8.2 Terminals or other input devices must not be left unattended while they may be used for system access. Upon completion of each work session, terminals or workstations must be properly logged off.

33.11.9 User Authorization.

On the destination system, users are granted access to specific resources (e.g. databases, files, transactions, etc.). These permissions will usually be defined for an individual user (or user group) when a user id is approved for access to the system.

33.11.10 Software And Data Integrity.

33.11.10.1 Each Party shall use a comparable degree of care to protect the other Party's software and data from unauthorized access, additions, changes and deletions as it uses to protect its own similar software and data. This may be accomplished by physical security at

the work location and by access control software on the workstation.

33.11.10.2 Untrusted software or data shall be scanned for viruses before use on a Party's corporate facilities that can be accessed through the direct connection or dial up access to OSS interfaces.

33.11.10.3 Unauthorized use of copyrighted software is prohibited on each Party's corporate systems that can be accessed through the direct connection or dial up access to OSS Interfaces.

33.11.10.4 Proprietary software or information (whether electronic or paper) of a Party shall not be given by the other Party to unauthorized individuals. When it is no longer needed, each Party's proprietary software or information shall be returned by the other Party or disposed of securely. Paper copies shall be shredded. Electronic copies shall be overwritten or degaussed.

33.11.11 Monitoring And Audit.

33.11.11.1 To deter unauthorized access events, a warning or no trespassing message will be displayed at the point of initial entry (i.e., network entry or applications with direct entry points). Each Party should have several approved versions of this message. Users should expect to see a warning message similar to this one:

"This is a (SBC-13STATE or AT&T) system restricted to Company official business and subject to being monitored at any time. Anyone using this system expressly consents to such monitoring and to any evidence of unauthorized access, use, or modification being used for criminal prosecution."

33.11.11.2 After successful authentication, each session will display the last logon date/time and the number of unsuccessful logon attempts. The user is responsible for reporting discrepancies.

33.12 Cooperative Testing And Training

33.12.1 Prior to introduction of new applications or interfaces, or modifications of the same, the Parties shall conduct cooperative testing pursuant to a mutually agreed test plan.

33.12.2 Prior to live system usage, AT&T must complete user education classes for SBC-13STATE-provided interfaces that affect the SBC-13STATE network. Course descriptions for all available classes by region are posted on the CLEC website in the Customer Education Section. CLEC Training schedules by region are also available on the CLEC website and are subject to change, with class lengths varying. Classes are train-the-trainer format to enable AT&T to devise its own course work for its own employees. Charges as specified below will apply for each class:

Training Rates	5 day class	4.5 day class	4 day class	3.5 day class	3 day class	2.5 day class	2 day class	1.5 day class	1 day class	1/2 day class
1 to 5 students	\$4,050	\$3,650	\$3,240	\$2,835	\$2,430	\$2,025	\$1,620	\$1,215	\$810	\$405
6 students	\$4,860	\$4,380	\$3,890	\$3,402	\$2,915	\$2,430	\$1,945	\$1,455	\$970	\$490
7 students	\$5,670	\$5,100	\$4,535	\$3,969	\$3,400	\$2,835	\$2,270	\$1,705	\$1,135	\$570
8 students	\$6,480	\$5,830	\$5,185	\$4,536	\$3,890	\$3,240	\$2,590	\$1,950	\$1,300	\$650
9 students	\$7,290	\$6,570	\$5,830	\$5,103	\$4,375	\$3,645	\$2,915	\$2,190	\$1,460	\$730
10 students	\$8,100	\$7,300	\$6,480	\$5,670	\$4,860	\$4,050	\$3,240	\$2,430	\$1,620	\$810
11 students	\$8,910	\$8,030	\$7,130	\$6,237	\$5,345	\$4,455	\$3,565	\$2,670	\$1,780	\$890
12 students	\$9,720	\$8,760	\$7,780	\$6,804	\$5,830	\$4,860	\$3,890	\$2,920	\$1,945	\$970

33.12.3 Charges will apply for each class as set forth above. A separate registration form will be required as a commitment to pay for a specific number of AT&T students in each class. AT&T and SBC-13STATE agree that charges will be billed by SBC-13STATE and AT&T's payment is due 30 days after receipt of the invoice. AT&T agrees to provide to SBC-13STATE completed registration forms for each student no later than one week prior to the scheduled training class. AT&T agrees to pay a cancellation fee for the full price noted in the separate agreement if AT&T cancels scheduled classes less than two weeks prior to the scheduled start date. Should SBC-13STATE cancel a class for which AT&T is registered less than two weeks prior to the scheduled start date of that class, SBC-13STATE will waive the charges for the rescheduled class of the registered students.

33.12.4 AT&T agrees that personnel from other competitive Local Service Providers may be scheduled into any class to fill any seats for which the AT&T has not contracted. Class availability is first-come, first served with priority given to CLECs who have not yet attended the specific class.

33.12.5 AT&T may request that classes be scheduled on particular dates. Class dates will be based upon AT&T request and SBC-13STATE availability, and will be coordinated among AT&T, AT&T's SBC-13STATE Account Manager, and SBC-13STATE Industry Markets CLEC Training Product Management.

33.12.6 AT&T agrees that AT&T personnel attending classes are to utilize only training databases and training presented to them in class. Attempts to access any other SBC-13STATE system are strictly prohibited.

33.12.7 AT&T further agrees that training material, manuals and instructor guides can be duplicated only for internal use for the purpose of training employees to utilize the capabilities of SBC-13STATE's OSS in accordance with this Article and shall be deemed "Proprietary Information" and subject to the terms, conditions and limitations of **Article XX**.

33.13 Miscellaneous Charges

33.13.1 There are no charges for access to SBC-13STATE's OSS systems. Any miscellaneous charges will be at the rates set forth in the **Pricing Schedule**. Subject to and in

accordance with the commitments made by SBC in connection with the SBC-AMERITECH merger, SBC-13STATE reserves its right to seek Commission approval for recovery of OSS costs, and AT&T reserves its right to challenge such recovery. Both Parties agree to comply with the resulting Commission decision, pending their rights to pursue any appeal that might be brought of such decision.

33.13.2 For SBC-SWBT region only, when AT&T requests Bill Plus™, it agrees to pay applicable tariffed rate, less Resale discount.

33.13.3 For SBC-7STATE, when AT&T requests the billing function for Usage Billable Records, it agrees to pay established rates pursuant to the **Pricing Schedule**.

33.13.4 For SBC-7STATE, when AT&T requests the Local Disconnect Report, it agrees to pay \$0.003 per entry.

33.13.5 For SBC-13STATE, should AT&T request custom development of an exclusive interface to support OSS functions, such development will be considered by SBC-13STATE on an Individual Case Basis (ICB) and priced as such.

SBC-SNET will charge for the Billing Detail File, Daily Usage Feed, and Loss Notification File at rates filed and approved by the Department of Public Utilities of Connecticut.

ARTICLE XXXIV
OPERATOR SERVICES AND DIRECTORY ASSISTANCE SERVICES

34.0 Operator Services & Directory Assistance Services.

34.1 Operator Services. Operator Services consist of the following services.

34.1.1 Manual Call Assistance - manual call processing with operator involvement for the following:

- (a) Calling card - the Customer dials 0+ or 0 - and provides operator with calling card number for billing purposes.
- (b) Collect - the Customer dials 0+ or 0 - and asks the operator to bill the call to the called number, provided such billing is accepted by the called number.
- (c) Third number billed - the Customer dials 0+ or 0 - and asks the operator to bill the call to a different number than the calling or called number.
- (d) Operator assistance - providing local and intraLATA operator assistance for the purposes of:
 - (1) assisting Customers requesting help in completing calls or requesting information on how to place calls;
 - (2) handling emergency calls;
 - (3) handling person-to-person calls.
- (e) Operator Transfer Service ("OTS") - calls in which the Customer dials "0", is connected to an SBC-AMERITECH operator and then requests call routing to an IXC subscribing to OTS. The operator will key the IXC's digit carrier identification code to route the Customer to the requested IXC's point of termination.
- (f) BLV - Service in which operator verifies a busy condition on a line.
- (g) BLVI - service in which operator, after verifying a busy line, interrupts the call in progress.

34.1.2 Automated Call Assistance - mechanized call processing without operator involvement

34.1.3 Automated Alternate Billing Service (“AABS”) - the Customer dials 0 and a telephone number and responds to prompts to process the call and complete the billing information

34.1.4 Line Information Database (“LIDB”) Validation - mechanized queries to a LIDB for billing validation.

34.2 CALL BRANDING

34.2.1 The procedure of identifying a provider’s name audibly and distinctly to the End User at the beginning of each OS call.

34.2.2 Where technically feasible and/or available, SBC-AMERITECH will brand OS in AT&T’s name based upon the criteria outlined below:

34.2.2.1 Where SBC-AMERITECH provides AT&T Operator Services (OS) and DA services via the same trunk, both the OS and DA calls will be branded with the same brand. Where SBC-AMERITECH is only providing OS on behalf of AT&T, the calls will be branded.

34.2.2.2 AT&T name used in branding calls may be subject to Commission regulations and should match the name in which AT&T is doing business.

34.2.2.3 SBC-AMERITECH – AT&T will provide written specifications of its company name to be used by SBC-AMERITECH to create AT&T’s specific branding announcement for its OS calls in accordance with the process outlined in the Operator Services OS/DA Questionnaire (OSQ).

34.2.2.4 AT&T purchasing SBC-AMERITECH unbundled local switching is responsible for maintaining AT&T’s End User customer records in SBC-AMERITECH Line Information Database (LIDB). AT&T’s failure to properly administer customer records in LIDB may result in branding errors.

34.2.2.5 Branding Load Charges

34.2.2.5.1 SBC-AMERITECH – An initial non-recurring charge applies per brand, per Operator Assistance Switch, and if utilizing dedicated facilities, per trunk group for the establishment of AT&T specific branding. In addition, a per call charge applies for every OS call handled by SBC-AMERITECH on behalf of AT&T when such services are provided in conjunction with the purchase of SBC-AMERITECH unbundled local switching. An additional non-recurring charge applies per brand, per Operator assistance switch, and if utilizing dedicated facilities, per trunk group for each subsequent change to the branding announcement.

34.3 OPERATOR SERVICES (OS) REFERENCE/RATER INFORMATION

34.3.1 An SBC-AMERITECH database referenced by an SBC-AMERITECH Operator for AT&T OS specific Reference/Rater information based upon the criteria.

34.3.1.1 Where technically feasible and/or available, SBC-AMERITECH will provide AT&T OS Rate/Reference Information based upon the criteria outlined below:

34.3.1.1.1 AT&T will furnish OS Reference and Rater information in accordance with the process outlined in the Operator Services Questionnaire (OSQ).

34.3.1.1.2 AT&T will inform SBC-AMERITECH, via the Operator Services Questionnaire (OSQ) of any changes to be made to Reference/Rater information

34.3.1.1.3 An initial non-recurring charge will apply per state, per Operator assistance switch for loading of AT&T's OS Reference/Rater information. An additional non-recurring charge will apply per state, per Operator assistance switch for each subsequent change to either the AT&T's OS Reference or Rater information.

34.3.1.2 When an SBC-AMERITECH Operator receives a rate request from an AT&T End User, SBC-AMERITECH will quote the applicable OS rates as provided by AT&T or as otherwise defined below.

34.3.1.3 AT&T agrees that due to quality of service and work force scheduling, SBC-AMERITECH will be the sole provider of OS for AT&T's local serving area(s).

34.4 Directory Assistance. Directory Assistance ("DA") service shall consist of the following services.

34.4.1 Directory Assistance - those calls in which the Customer dial digits designated by AT&T to obtain Directory Assistance for local numbers located within his/her NPA. Two listings will be provided per call.

34.4.2 Branding. The procedure of identifying a provider's name audibly and distinctly to the End User at the beginning of each DA Services call.

34.4.2.1 Where technically feasible and/or available, SBC-AMERITECH will brand DA in AT&T's name based upon the criteria outlined below:

34.4.2.1.1 Where SBC-AMERITECH provides AT&T Operator Services (OS) and DA services via the same trunk, both the OS and DA calls will be branded with the same brand. Where SBC-AMERITECH is only providing DA service on behalf of AT&T, the calls will be branded.

34.4.2.1.2 AT&T's name used in branding calls may be subject to Commission regulations and should match the name in which AT&T is doing business.

34.4.2.1.3 AT&T will provide written specifications of its company name to be used by SBC-AMERITECH to create the AT&T's specific branding announcement for its DA calls in accordance with the process outlined in the Operator Services OS/DA Questionnaire (OSQ).

34.4.2.1.4 AT&T, when purchasing SBC-AMERITECH unbundled local switching is responsible for maintaining, via appropriate input methods, AT&T's End User customer records in SBC-AMERITECH Line Information Database (LIDB) as described in Appendix LIDB. AT&T's failure to properly administer customer records in LIDB may result in branding errors.

34.4.2.1.5 Branding Load Charges: An initial non-recurring charge applies per brand, per Operator Assistance Switch, and if utilizing dedicated facilities, per trunk group for the establishment of AT&T specific branding. In addition, a per call charge applies for every DA call handled by SBC-AMERITECH on behalf of AT&T when such services are provided in conjunction with the purchase of SBC-AMERITECH unbundled local switching. An additional non-recurring charge applies per brand, per Operator assistance switch, and if utilizing dedicated facilities, per trunk group for each subsequent change to the branding announcement. If OS and DA branding are loaded at the same time, one initial charge applies to both.

34.5 DIRECTORY ASSISTANCE (DA) REFERENCE/RATER INFORMATION

34.5.1 An SBC-AMERITECH database referenced by an SBC-AMERITECH Operator for AT&T DA specific information as provided by the AT&T such as it's business office, repair and DA rates.

34.5.1.1 Where technically feasible and/or available, SBC-AMERITECH will provide AT&T DA Reference/Rater information based upon the criteria outlined below:

34.5.1.1.1 AT&T will furnish DA Reference and Rater - information in accordance with the process outlined in the Operator Services Questionnaire (OSQ).

34.5.1.1.2 AT&T will inform SBC-AMERITECH via the Operator Services Questionnaire (OSQ) of any changes to be made to Reference/Rater information.

34.5.1.1.3 An initial non-recurring charge will apply per state, per Operator assistance switch for loading of AT&T's DA Reference/Rater information. An additional non-recurring charge will apply per state, per Operator assistance switch for each subsequent change to either AT&T's DA Services Reference or Rater -information.

34.5.1.1.4 Where technically feasible and/or available, when an SBC-AMERITECH Operator receives a rate request from an AT&T End User, SBC-AMERITECH will quote the applicable DA rates as provided by AT&T.

34.6 National Directory Assistance - A service in which listed telephone information (name, address, and telephone numbers) is provided for residential, business and government accounts throughout the 50 states to AT&T End Users.

34.7 Information Call Completion - provides a Customer who has accessed the DA service and has received a number from the Audio Response Unit ("ARU") the option of having an intraLATA call completed by pressing a specific digit on a touch tone telephone.

34.8 Rate Application. SBC-AMERITECH shall bill AT&T the applicable rates on a monthly basis, in accordance with the **Pricing Schedule**.

34.9 LIABILITY

The provisions set forth in **Article XXV** (Indemnification) and **Article XXVI** (Limitation of Liability) of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern performance under this Article.

34.10 TERMS OF ARTICLE XXXIV

34.10.1 This **Article XXXIV** will continue in force for the length of the Interconnection Agreement, but no less than twelve (12) months. At the expiration of the term of the Interconnection Agreement to which this **Article XXXIV** is a part, or twelve (12) months, whichever occurs later, either Party may terminate this **Article XXXIV** upon one hundred-twenty (120) calendar days written notice to the other Party.

34.10.2 If AT&T terminates this **Article XXXIV** prior to the 12 month period set forth in **Section 34.10.1**, AT&T shall pay SBC-AMERITECH, within thirty (30) days of the issuance of any bills by SBC-AMERITECH, all amounts due for actual services provided under this Article, plus estimated monthly charges for the unexpired portion of the term. Estimated charges will be based on an average of the actual

monthly service provided by SBC-AMERITECH pursuant to this **Article XXXIV** prior to its termination.

ARTICLE XXXV
ENTIRE AGREEMENT
SIGNATURES

35.0 Entire Agreement. The terms contained in this Agreement and any Schedules, Exhibits, tariffs and other documents or instruments referred to herein, which are incorporated into this Agreement by this reference, constitute the entire agreement between the Parties with respect to the subject matter hereof, superseding all prior understandings, proposals and other communications, oral or written. Neither Party shall be bound by any terms additional to or different from those in this Agreement that may appear subsequently in the other Party's form documents, purchase orders, quotations, acknowledgments, invoices or other communications.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of this 31st day of March, 2003.

AT&T COMMUNICATIONS
OF OHIO, INC.

OHIO BELL TELEPHONE
COMPANY, INCORPORATED D/B/A
SBC - OHIO, BY ITS
AUTHORIZED AGENT,
SBC TELECOMMUNICATIONS, INC.

By: _____

By: _____

Printed: William L. West

Printed: Mike Auinbauh

Title: Regional Vice President, LSAM

Title: VP-Local Interconnection Marketing

Date: March 31, 2003

Date: March 31, 2003

TBD -To be determined
BFR -Bona Fide Request
ICB -Individual Case Basis
NA -Not Applicable
(-) -Not Available as of effective date

AMERITECH/AT&T
OHIO
ICA
PRICING SCHEDULE

		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
The Parties acknowledge and agree that certain rates and structure for Unbundled Network Elements set forth below are interim and subject to replacement pending the results established in Case No. 96-922-TP-UNC/Case No. 00-1368-TP-ATA					
UNBUNDLED NETWORK ELEMENTS					
Unbundled Loops					
2-Wire Analog - Metro (Access Area B)		\$	5.84		See NRC prices below
2-Wire Analog - Suburban (Access Area C)		\$	7.88		See NRC prices below
2-Wire Analog - Rural (Access Area D)		\$	9.43		See NRC prices below
2-Wire PBX Ground Start - Metro (Access Area B)		\$	6.07		See NRC prices below
2-Wire PBX Ground Start - Suburban (Access Area C)		\$	8.50		See NRC prices below
2-Wire PBX Ground Start - Rural (Access Area D)		\$	10.02		See NRC prices below
COPTS-Coin Line - Metro (Access Area B)		\$	5.84		See NRC prices below
COPTS-Coin Line - Suburban (Access Rate C)		\$	7.88		See NRC prices below
COPTS-Coin Line - Rural (Access Area D)		\$	9.43		See NRC prices below
Electronic Key Line (EKL) Interface - Metro (Access Area B)		\$	7.36		See NRC prices below
Electronic Key Line (EKL) Interface - Suburban (Access Area C)		\$	12.02		See NRC prices below
Electronic Key Line (JEKL) Interface - Rural (Access Area D)		\$	13.35		See NRC prices below
4-Wire Analog - Metro (Access Area B)		\$	10.29		See NRC prices below
4-Wire Analog - Suburban (Access Area C)		\$	16.41		See NRC prices below
4-Wire Analog - Rural (Access Area D)		\$	19.37		See NRC prices below
2-Wire Digital 160 Kbps (ISDN-BRI) - Metro (Access Area B)		\$	6.38		See NRC prices below
2-Wire Digital 160 Kbps (ISDN-BRI) - Suburban (Access Area C)		\$	9.34		See NRC prices below
2-Wire Digital 160 Kbps (ISDN-BRI) - Rural (Access Area D)		\$	10.79		See NRC prices below
4-Wire Digital 1.544 Mbps - Metro (Access Area B)		\$	66.45		See NRC prices below
4-Wire Digital 1.544 Mbps - Suburban (Access Area C)		\$	81.14		See NRC prices below
4-Wire Digital 1.544 Mbps - Rural (Access Area D)		\$	62.07		See NRC prices below
DS3 Digital Loop - Metro (Access Area B)		\$	792.02		See NRC prices below
DS3 Digital Loop - Suburban (Access Area C)		\$	821.81		See NRC prices below
DS3 Digital Loop - Rural (Access Area D)		\$	825.60		See NRC prices below
DSL Capable Loops					
2-Wire Digital Loop ISDN/IDSL					
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Rtae C - Suburban	\$	7.88		See NRC prices below
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Area D - Rural	\$	9.43		See NRC prices below
2-Wire xDSL Loop (ADSL/HDSL Compatible Interface)					
	PSD #1 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #1 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #1 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area B - Metro	\$	5.84		See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area C - Suburban	\$	7.88		See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area D - Rural	\$	9.43		See NRC prices below
4-Wire xDSL Loop (HDSL Compatible Interface)					
	PSD #3 - 4-Wire xDSL Loop Access Area B - Metro	\$	10.29		See NRC prices below
	PSD #3 - 4-Wire xDSL Loop Access Area C - Suburban	\$	16.41		See NRC prices below
	PSD #3 - 4-Wire xDSL Loop Access Area D - Rural	\$	19.37		See NRC prices below
HFPL Loop					
	HFPL Loop - Access Area B - Metro	\$	2.97		NA
	HFPL Loop - Access Area C - Suburban	\$	3.99		NA
	HFPL Loop - Access Area D - Rural	\$	4.76		NA

TBD -To be determined
BFR -Bona Fide Request
ICB -Individual Case Basis
NA -Not Applicable
(-) -Not Available as of effective date

AMERITECH/AT&T
OHIO
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PRICING SCHEDULE

		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
Loop Qualification Process					
	Loop Qualification Process - Mechanized	NA		\$ 0.10	
	Loop Qualification Process - Manual	NA		\$ 156.02	
	Loop Qualification Process - Detailed Manual	NA		TBD	
HFPL Splitter					
	SBC owned splitter - line at a time	NA		\$ 73.08	
	Telecommunications Carrier owned splitter	NA		\$ 60.01	
xDSL Conditioning Options - >12KFT and < 17.5KFT					
	Remove (1) Repeater	NA		\$ 297.71	
	Remove (2) Bridge Taps	NA		\$ 487.21	
	Remove (3) Load Coils	NA		\$ 821.16	
	Remove (2) Bridge Taps & (1) Repeater	NA		\$ 750.23	
	Remove (3) Load Coils & (2) Bridge Taps	NA		\$ 1,295.68	
xDSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT					
	Remove (1) Repeater	NA		\$ 297.71	
	Remove (1) Bridge Tap	NA		\$ 243.62	
	Removal (1) Load Coil	NA		\$ 273.72	
	Remove (1) Bridge Tap & (1) Repeater	NA		\$ 516.49	
	Remove (1) Load Coil & (1) Bridge Tap	NA		\$ 513.47	
Loop Non-Recurring Charges (Excluding DS3)					
	Service Order - Establish, per occasion	NA		\$ 16.02	
	Service Order - Add or Change, per occasion, per location	NA		\$ 16.02	
	Line Connection Charge, per termination	NA		\$ 30.61	
	HFPL Service Order Charge - Establish, per occasion	NA		\$ 16.23	
	HFPL Service Order Charge - Add or Change, per occasion	NA		\$ 16.23	
DS3 Loop Non-Recurring Charges					
	Administrative Charge, per order per location	NA		\$ 205.56	
	Design & Central Office Connection Charge, per DS1	NA		\$ 643.36	
	Customer Connection Charge, per DS1	NA		\$ 219.32	
Service Coordination Fee, per carrier bill, per central office		\$ 0.48			
SUB-LOOPS					
	MDF or CO to RT sub-loop				
	2 Wire Analog - Access Area B	\$ 5.49		See NRC prices below	
	2 Wire Analog - Access Area C	\$ 6.24		See NRC prices below	
	2 Wire Analog - Access Area D	\$ 9.34		See NRC prices below	
	4 Wire Analog - Access Area B	\$ 13.58		See NRC prices below	
	4 Wire Analog - Access Area C	\$ 16.13		See NRC prices below	
	4 Wire Analog - Access Area D	\$ 22.01		See NRC prices below	
	2 Wire xDSL - Access Area B	\$ -		See NRC prices below	
	2 Wire xDSL - Access Area C	\$ -		See NRC prices below	
	2 Wire xDSL - Access Area D	\$ -		See NRC prices below	
	4 Wire xDSL - Access Area B	\$ -		See NRC prices below	
	4 Wire xDSL - Access Area C	\$ -		See NRC prices below	
	4 Wire xDSL - Access Area D	\$ -		See NRC prices below	
	2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ 12.85		See NRC prices below	
	2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ 14.10		See NRC prices below	
	2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ 23.62		See NRC prices below	
	4 Wire DS1 (1.544 Mbps) - Access Area B	\$ 95.36		See NRC prices below	
	4 Wire DS1 (1.544 Mbps) - Access Area C	\$ 89.34		See NRC prices below	
	4 Wire DS1 (1.544 Mbps) - Access Area D	\$ 112.84		See NRC prices below	
	DS3 subloop - Access Area B	\$ 716.71		See NRC prices below	
	DS3 subloop - Access Area C	\$ 806.96		See NRC prices below	
	DS3 subloop - Access Area D	\$ 810.62		See NRC prices below	
	MDF or CO to SAI/FDI Sub-Loop				
	2 Wire Analog - Access Area B	\$ 5.87		See NRC prices below	
	2 Wire Analog - Access Area C	\$ 6.95		See NRC prices below	
	2 Wire Analog - Access Area D	\$ 9.16		See NRC prices below	
	4 Wire Analog - Access Area B	\$ 14.31		See NRC prices below	
	4 Wire Analog - Access Area C	\$ 17.55		See NRC prices below	
	4 Wire Analog - Access Area D	\$ 21.63		See NRC prices below	

TBD -To be determined
BFR -Bona Fide Request
ICB -Individual Case Basis
NA -Not Applicable
(-) -Not Available as of effective date

AMERITECH/AT&T
OHIO
ICA
PRICING SCHEDULE

OHIO			AIT		
			RECURRING		AIT
			MONTHLY		NONRECURRING
		2 Wire xDSL - Access Area B	\$ 5.04		See NRC prices below
		2 Wire xDSL - Access Area C	\$ 6.10		See NRC prices below
		2 Wire xDSL - Access Area D	\$ 6.50		See NRC prices below
		4 Wire xDSL - Access Area B	\$ 10.02		See NRC prices below
		4 Wire xDSL - Access Area C	\$ 12.18		See NRC prices below
		4 Wire xDSL - Access Area D	\$ 12.96		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	MDF or CO to Terminal sub-loop				
		2 Wire Analog - Access Area B	\$ 8.36		See NRC prices below
		2 Wire Analog - Access Area C	\$ 11.70		See NRC prices below
		2 Wire Analog - Access Area D	\$ 15.86		See NRC prices below
		4 Wire Analog - Access Area B	\$ 19.36		See NRC prices below
		4 Wire Analog - Access Area C	\$ 27.05		See NRC prices below
		4 Wire Analog - Access Area D	\$ 35.05		See NRC prices below
		2 Wire xDSL - Access Area B	\$ 7.52		See NRC prices below
		2 Wire xDSL - Access Area C	\$ 10.87		See NRC prices below
		2 Wire xDSL - Access Area D	\$ 13.22		See NRC prices below
		4 Wire xDSL - Access Area B	\$ 15.06		See NRC prices below
		4 Wire xDSL - Access Area C	\$ 21.69		See NRC prices below
		4 Wire xDSL - Access Area D	\$ 26.38		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	RT to SAI/FDI sub-loop				
		2 Wire Analog - Access Area B	\$ 0.95		See NRC prices below
		2 Wire Analog - Access Area C	\$ 1.16		See NRC prices below
		2 Wire Analog - Access Area D	\$ 1.70		See NRC prices below
		4 Wire Analog - Access Area B	\$ 1.89		See NRC prices below
		4 Wire Analog - Access Area C	\$ 2.31		See NRC prices below
		4 Wire Analog - Access Area D	\$ 3.36		See NRC prices below
		2 Wire xDSL - Access Area B	\$ 0.95		See NRC prices below
		2 Wire xDSL - Access Area C	\$ 1.16		See NRC prices below
		2 Wire xDSL - Access Area D	\$ 1.70		See NRC prices below
		4 Wire xDSL - Access Area B	\$ 1.89		See NRC prices below
		4 Wire xDSL - Access Area C	\$ 2.31		See NRC prices below
		4 Wire xDSL - Access Area D	\$ 3.36		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	RT to Terminal sub-loop				
		2 Wire Analog - Access Area B	\$ 3.44		See NRC prices below
		2 Wire Analog - Access Area C	\$ 5.92		See NRC prices below
		2 Wire Analog - Access Area D	\$ 8.40		See NRC prices below
		4 Wire Analog - Access Area B	\$ 6.93		See NRC prices below
		4 Wire Analog - Access Area C	\$ 11.81		See NRC prices below
		4 Wire Analog - Access Area D	\$ 16.77		See NRC prices below
		2 Wire xDSL - Access Area B	\$ 3.44		See NRC prices below

TBD -To be determined
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AMERITECH/AT&T
 OHIO
 ICA
 PRICING SCHEDULE

OHIO			AIT			
			RECURRING		AIT	
			MONTHLY		NONRECURRING	
		2 Wire xDSL - Access Area C	\$	5.92		See NRC prices below
		2 Wire xDSL - Access Area D	\$	8.40		See NRC prices below
		4 Wire xDSL - Access Area B	\$	6.93		See NRC prices below
		4 Wire xDSL - Access Area C	\$	11.81		See NRC prices below
		4 Wire xDSL - Access Area D	\$	16.77		See NRC prices below
		2 Wire 160 Kbps (ISDN-PRI) - Access Area B	\$	-		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$	-		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$	-		See NRC prices below
		DS3 subloop - Access Area B	\$	-		See NRC prices below
		DS3 subloop - Access Area C	\$	-		See NRC prices below
		DS3 subloop - Access Area D	\$	-		See NRC prices below
		RT to NID sub-loop				
		2 Wire Analog - Access Area B	\$	4.40		See NRC prices below
		2 Wire Analog - Access Area C	\$	7.02		See NRC prices below
		2 Wire Analog - Access Area D	\$	9.66		See NRC prices below
		4 Wire Analog - Access Area B	\$	8.82		See NRC prices below
		4 Wire Analog - Access Area C	\$	14.00		See NRC prices below
		4 Wire Analog - Access Area D	\$	19.29		See NRC prices below
		2 Wire xDSL - Access Area B	\$	4.40		See NRC prices below
		2 Wire xDSL - Access Area C	\$	7.02		See NRC prices below
		2 Wire xDSL - Access Area D	\$	9.66		See NRC prices below
		4 Wire xDSL - Access Area B	\$	8.82		See NRC prices below
		4 Wire xDSL - Access Area C	\$	14.00		See NRC prices below
		4 Wire xDSL - Access Area D	\$	19.29		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$	4.40		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$	7.02		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$	9.66		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$	27.80		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$	32.55		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$	38.06		See NRC prices below
		DS3 subloop - Access Area B	\$	716.71		See NRC prices below
		DS3 subloop - Access Area C	\$	806.96		See NRC prices below
		DS3 subloop - Access Area D	\$	810.62		See NRC prices below
		SAI/FDI to Terminal sub-loop				
		2 Wire Analog - Access Area B	\$	3.59		See NRC prices below
		2 Wire Analog - Access Area C	\$	5.61		See NRC prices below
		2 Wire Analog - Access Area D	\$	7.70		See NRC prices below
		4 Wire Analog - Access Area B	\$	7.25		See NRC prices below
		4 Wire Analog - Access Area C	\$	11.22		See NRC prices below
		4 Wire Analog - Access Area D	\$	15.42		See NRC prices below
		2 Wire xDSL - Access Area B	\$	3.59		See NRC prices below
		2 Wire xDSL - Access Area C	\$	5.61		See NRC prices below
		2 Wire xDSL - Access Area D	\$	7.70		See NRC prices below
		4 Wire xDSL - Access Area B	\$	7.25		See NRC prices below
		4 Wire xDSL - Access Area C	\$	11.22		See NRC prices below
		4 Wire xDSL - Access Area D	\$	15.42		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$	-		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$	-		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$	-		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$	-		See NRC prices below
		DS3 subloop - Access Area B	\$	-		See NRC prices below
		DS3 subloop - Access Area C	\$	-		See NRC prices below
		DS3 subloop - Access Area D	\$	-		See NRC prices below
		SAI/FDI to NID sub-loop				
		2 Wire Analog - Access Area B	\$	4.54		See NRC prices below
		2 Wire Analog - Access Area C	\$	6.71		See NRC prices below
		2 Wire Analog - Access Area D	\$	8.97		See NRC prices below
		4 Wire Analog - Access Area B	\$	9.14		See NRC prices below
		4 Wire Analog - Access Area C	\$	13.42		See NRC prices below
		4 Wire Analog - Access Area D	\$	17.94		See NRC prices below
		2 Wire xDSL - Access Area B	\$	4.54		See NRC prices below
		2 Wire xDSL - Access Area C	\$	6.71		See NRC prices below

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AMERITECH/AT&T
OHIO
ICA
PRICING SCHEDULE

OHIO			AIT		
			RECURRING		AIT
			MONTHLY		NONRECURRING
		2 Wire xDSL - Access Area D	\$ 8.97		See NRC prices below
		4 Wire xDSL - Access Area B	\$ 9.14		See NRC prices below
		4 Wire xDSL - Access Area C	\$ 13.42		See NRC prices below
		4 Wire xDSL - Access Area D	\$ 17.94		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	Terminal to NID sub-loop				
		2 Wire Analog - Access Area B	\$ 1.36		See NRC prices below
		2 Wire Analog - Access Area C	\$ 1.61		See NRC prices below
		2 Wire Analog - Access Area D	\$ 1.76		See NRC prices below
		4 Wire Analog - Access Area B	\$ 2.78		See NRC prices below
		4 Wire Analog - Access Area C	\$ 3.18		See NRC prices below
		4 Wire Analog - Access Area D	\$ 3.53		See NRC prices below
		2 Wire xDSL - Access Area B	\$ 1.36		See NRC prices below
		2 Wire xDSL - Access Area C	\$ 1.61		See NRC prices below
		2 Wire xDSL - Access Area D	\$ 1.76		See NRC prices below
		4 Wire xDSL - Access Area B	\$ 2.78		See NRC prices below
		4 Wire xDSL - Access Area C	\$ 3.18		See NRC prices below
		4 Wire xDSL - Access Area D	\$ 3.53		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	NID Only sub-loop element				
		2 Wire Analog - Access Area B	\$ -		See NRC prices below
		2 Wire Analog - Access Area C	\$ -		See NRC prices below
		2 Wire Analog - Access Area D	\$ -		See NRC prices below
		4 Wire Analog - Access Area B	\$ -		See NRC prices below
		4 Wire Analog - Access Area C	\$ -		See NRC prices below
		4 Wire Analog - Access Area D	\$ -		See NRC prices below
		2 Wire xDSL - Access Area B	\$ -		See NRC prices below
		2 Wire xDSL - Access Area C	\$ -		See NRC prices below
		2 Wire xDSL - Access Area D	\$ -		See NRC prices below
		4 Wire xDSL - Access Area B	\$ -		See NRC prices below
		4 Wire xDSL - Access Area C	\$ -		See NRC prices below
		4 Wire xDSL - Access Area D	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area B	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area C	\$ -		See NRC prices below
		2 Wire 160 Kbps (ISDN-BRI) - Access Area D	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area B	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area C	\$ -		See NRC prices below
		4 Wire DS1 (1.544 Mbps) - Access Area D	\$ -		See NRC prices below
		DS3 subloop - Access Area B	\$ -		See NRC prices below
		DS3 subloop - Access Area C	\$ -		See NRC prices below
		DS3 subloop - Access Area D	\$ -		See NRC prices below
	SPOI to Demarc sub-loop element				
		2 Wire Analog - Access Area B	BFR		See NRC prices below
		2 Wire Analog - Access Area C	BFR		See NRC prices below
		2 Wire Analog - Access Area D	BFR		See NRC prices below
		4 Wire Analog - Access Area B	BFR		See NRC prices below
		4 Wire Analog - Access Area C	BFR		See NRC prices below
		4 Wire Analog - Access Area D	BFR		See NRC prices below
		2 Wire xDSL - Access Area B	BFR		See NRC prices below
		2 Wire xDSL - Access Area C	BFR		See NRC prices below
		2 Wire xDSL - Access Area D	BFR		See NRC prices below

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AMERITECH/AT&T
 OHIO
 ICA
 PRICING SCHEDULE

OHIO		AIT		
		RECURRING		AIT
		MONTHLY		NONRECURRING
	4 Wire xDSL - Access Area B	BFR		See NRC prices below
	4 Wire xDSL - Access Area C	BFR		See NRC prices below
	4 Wire xDSL - Access Area D	BFR		See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - Access Area B	BFR		See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - Access Area C	BFR		See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - Access Area D	BFR		See NRC prices below
	4 Wire DS1 (1.544 Mbps) - Access Area B	BFR		See NRC prices below
	4 Wire DS1 (1.544 Mbps) - Access Area C	BFR		See NRC prices below
	4 Wire DS1 (1.544 Mbps) - Access Area D	BFR		See NRC prices below
	DS3 subloop - Access Area B	BFR		See NRC prices below
	DS3 subloop - Access Area C	BFR		See NRC prices below
	DS3 subloop - Access Area D	BFR		See NRC prices below
Sub-Loop Non-Recurring Line Connection Charges				
	2-Wire Analog Sub-Loop			\$ 217.57
	4-Wire Analog Sub-Loop			\$ 218.54
	2-Wire xDSL Digital Sub-Loop			\$ 250.83
	4-Wire xDSL Digital Sub-Loop			\$ 255.11
	2-Wire ISDN Digital Sub-Loop			\$ 278.37
	4-Wire DS-1 (1.544 Mbps) Digital Sub-Loop			\$ 470.27
	DS3 Sub-Loop			\$ 619.58
Sub-Loop Service Order Charge				
	Establish, per occasion			\$ 16.23
	Add or change, per occasion			\$ 16.23
HFPL OSS Modification Charge				
	HFPL OSS Charge - per line	\$ 0.87		\$ -
HFPL Cross Connect Configuration Charge		\$ 0.48		\$ -
HFPL Line-at-a-time Company-Owned Splitter		\$ 1.13		\$ -
Unbundled Local Switching (ULS)		USAGE		
	ULS Usage, per MOU	\$ 0.003209		NA
	Customized Routing, per new Line Class Code, per switch			\$ 304.06
	Custom Routing of OS or DA via AIN for ULS-ST, per carrier, per switch, per route			TBD
	ULS Billing and Trunk Order Development Charge, per CLEC,onest within five-state region			\$ 35,773.77
Port Charge Per Month				
	Basic Line Port - Residential (effective 5-1-02 through 4-30-04)	\$ 3.13		\$ 48.27
	Basic Line Port - Business	\$ 4.61		\$ 48.27
	Ground Start Port	\$ 4.92		\$ 48.27
	COPTS Coin Port	\$ 4.92		\$ 48.27
	Analog DID Trunk Port	\$ 12.67		\$ 48.27
	Analog DID Trunk Port - per telephone number	\$ 0.01		
	Analog DID Trunk Port, add/rearrange each termination			\$ 30.06
	ISDN Direct BRI Port	\$ 28.15		\$ 48.27
	ISDN Direct Port - per telephone number	\$ 0.01		
	ISDN Prime PRI Port	\$ 146.52		\$ 725.29
	ISDN Prime Trunk Port - per telephone number	\$ 0.01		
	ISDN Prime Trunk Port - add/rearrange channel			\$ 30.06
	Digital Trunking Trunk Port	\$ 105.71		\$ 725.29
	ULS Trunk Port, per port	\$ 81.69		\$ 725.29
	Centrex Basic Line Port	\$ 8.90		\$ 48.27
	Centrex ISDN Line Port	\$ 44.99		\$ 48.27
	Centrex EKL Line Port	\$ 27.29		\$ 48.27
	Centrex Attendant Console Line Port	\$ 87.24		\$ 96.55
Centrex System Charges				
	System Features, per common block	\$ 305.52		
	Common Block establishment, each			\$ 494.11
	System features change or rearrangement, per feature, per occasion			\$ 67.71
	System feature activation, per feature, per occasion			\$ 260.86

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AMERITECH/AT&T
OHIO
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		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
Port Non-Recurring Charges					
	Service Order - Line Port, per occasion			\$	16.02
	Service Order - Trunk Port, per occasion			\$	325.62
	Service Order - Record Order, per occasion			\$	14.27
	Service Order - Subsequent, per occasion			\$	16.02
	Conversion from basic line port to ground start or vice versa, per change			\$	43.63
Subsequent Training - per SBC person, per hour				TBD	
Daily Usage Feed - Per Message		\$	0.000885		
Cross Connects (Loops,Ports,Sub Loops,Dedicated Transport,Tandem Switching, xDSL Loops)					
	2-Wire	\$	0.15		
	4-Wire	\$	0.29		
	6-Wire	\$	0.45		
	8-Wire	\$	0.59		
	DS1/LT1	\$	0.40		
	DS3/LT3	\$	0.70		
	OC3 to OC3	\$	74.32		
	OC12 to OC12	\$	391.72		
	OC48 to OC48	\$	955.39		
Tandem Switching					
	per minute of use (without Tandem Ports)	\$	0.000684		
	Unbundled Tandem Switch Trunk Port (DS1) with features, per port	\$	122.01	\$	770.83
	Service Order Charge			\$	377.77
	Subsequent Charges (per trunk group)			\$	25.01
Unbundled Network Element Combinations					
	UNE - Platform (UNE-P) - Business New Installation	Rates for Applicable Elements Shall Apply			
	UNE - Platform (UNE-P) - Residential New Installation			\$	33.88
Unbundled Network Element Combinations Migration Charges					
	Basic Line Port			\$	0.74
	Ground Start Port			\$	0.74
	ISDN Direct Port			\$	0.74
	DID Trunk Port			\$	0.74
	Centrex Basic Line Port			\$	0.74
	Centrex ISDN Line Port			\$	0.74
	Centrex EKL Line Port			\$	0.74
	Centrex Attendant Console Line Port			\$	0.74
	ISDN Prime Trunk Port			\$	0.74
	Digital Trunking Trunk Port			\$	0.74
	ULS Trunk Port			\$	0.74
Unbundled Local Switching with Shared Transport (ULS-ST)		USAGE			
	ULS-ST Usage (for ULS-ST)	\$	0.000779	per MOU	
	ULS-ST Blended Transport Usage	\$	0.001047	per MOU	
	ULS-ST Common Transport Usage	\$	0.000629	per MOU	
	ULS-ST Tandem Switching Usage	\$	0.000213	per MOU	
	ULS-ST Reciprocal Compensation	\$	0.000779	per MOU	
	ULS-ST SS7 Signaling Transport	\$	0.000035	per Message	
Dedicated Transport					
	Entrance Facility - Per Point of Termination				
	DS1 Zone A	\$	66.45		
	Zone B	\$	81.14		
	Zone C	\$	62.07		
	DS3 Zone A	\$	560.77		
	Zone B	\$	646.31		
	Zone C	\$	693.84		
	OC3 All Zones	\$	269.65		
	OC12 All Zones	\$	464.01		
	OC48 All Zones	\$	1,931.85		
	Interoffice Transport:				
	DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	\$	14.79		

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OHIO
ICA
PRICING SCHEDULE

		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	Interoffice Mileage - Per Mile - All Zones	\$	1.64		
DS3	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$	127.75		
	Interoffice Mileage - Per Mile - All Zones	\$	21.61		
OC3	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$	326.14		
	Interoffice Mileage - Per Mile - All Zones	\$	206.39		
OC12	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$	554.09		
	Interoffice Mileage - Per Mile - All Zones	\$	370.49		
OC48	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$	1,219.10		
	Interoffice Mileage - Per Mile - All Zones	\$	264.08		
Multiplexing					
	DS1 to Voice Grade - All Zones	\$	279.80		
	DS3 to DS1 - All Zones	\$	372.85		
OC3	Add/Drop Multiplexing - Per Arrangement	\$	528.23		
	Add/Drop Function				
	- Per DS3 Add or Drop	\$	101.70		
	- Per DS1 Add or Drop	\$	31.40		
OC12	Add/Drop Multiplexing - Per Arrangement	\$	592.17		
	Add/Drop Function				
	- Per OC3 Add or Drop	\$	141.66		
	- Per DS3 Add or Drop	\$	30.72		
OC48	Add/Drop Multiplexing - Per Arrangement	\$	665.51		
	Add/Drop Function				
	- Per OC12 Add or Drop	\$	307.93		
	- Per OC3 Add or Drop	\$	142.38		
	- Per DS3 Add or Drop	\$	49.30		
Dark Fiber					
	Interoffice Dark Fiber				
	Interoffice Inquiry Charge - per request	NA		\$	293.78
	Interoffice Administration Charge - per order	NA		\$	27.27
	Interoffice Connection Charge - per strand	NA		\$	577.33
	Interoffice Mileage Termination - per fiber , per termination	\$	15.15		NA
	Interoffice Mileage - per fiber , per foot	\$	0.00159		NA
	Interoffice Cross Connect	\$	3.20		NA
	Loop/Sub-Loop Dark Fiber				
	Loop/Sub-Loop Inquiry Charge - per request	NA		\$	76.38
	Loop/Sub-Loop Administration Charge - per order	NA		\$	27.27
	Loop Connection Charge - CO to RT/CEV/HUT; CO to Premise, per strand	NA		\$	486.49
	Sub-Loop Connection Charge - RT/CEV/HUT to Premise, per strand	NA		\$	504.25
	Loop/Sub-Loop Mileage Termination - per fiber , per termination	\$	12.84		NA
	Loop/Sub-Loop Mileage Termination - per fiber , per foot	\$	0.00176		NA
	Loop/Sub-Loop Cross Connect	\$	2.62		NA
Dedicated Transport Network Reconfiguration Service (NRS)					
	On rates, terms and conditions specified in FCC Tariff No. 2				
Dedicated Transport Optional Features & Functions					
DS1	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - All Zones			\$	402.28
OC3	1+1 Protection - Per OC3 Entrance Facility	\$	40.23		NA
	1+1 Protection with Cable Survivability - Per OC3 Entrance Facility	\$	40.23		\$ 2,733.58
	1+1 Protection with Route Survivability (1 & 2 below apply)				
	- (1) Per OC3 Entrance Facility	\$	40.23		NA
	- (2) Per Quarter Route Mile	\$	47.49		NA
OC12	1+1 Protection - Per OC12 Entrance Facility	\$	198.99		NA
	1+1 Protection with Cable Survivability - Per OC12 Entrance Facility	\$	198.99		\$ 2,733.58
	1+1 Protection with Route Survivability (1 & 2 below apply)				
	- (1) Per OC12 Entrance Facility	\$	198.99		NA
	- (2) Per Quarter Route Mile	\$	42.08		NA
OC48	1+1 Protection - Per OC48 Entrance Facility	\$	826.72		NA
	1+1 Protection with Cable Survivability - Per OC48 Entrance Facility	\$	826.72		\$ 2,733.58
	1+1 Protection with Route Survivability (1 & 2 below apply)				
	- (1) Per OC48 Entrance Facility	\$	826.72		NA
	- (2) Per Quarter Route Mile	\$	70.75		NA
Dedicated Transport Installation & Rearrangement Charges					
DS1	Administration Charge - Per Order			\$	394.30

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PRICING SCHEDULE

		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	Design & Central Office Connection Charge - Per Circuit			\$	624.17
	Carrier Connection Charge - Per Order			\$	512.19
DS3	Administration Charge - Per Order			\$	299.28
	Design & Central Office Connection Charge - Per Circuit			\$	663.29
	Carrier Connection Charge - Per Order			\$	351.77
OC3	Administration Charge - Per Order			\$	116.40
	Design & Central Office Connection Charge - Per Circuit			\$	487.96
	Carrier Connection Charge - Per Order			\$	652.38
OC12	Administration Charge - Per Order			\$	116.40
	Design & Central Office Connection Charge - Per Circuit			\$	487.96
	Carrier Connection Charge - Per Order			\$	652.38
OC48	Administration Charge - Per Order			\$	116.40
	Design & Central Office Connection Charge - Per Circuit			\$	487.96
	Carrier Connection Charge - Per Order			\$	652.38
Digital Cross-Connect System					
	DCS Port Charge	ICB		ICB	
DS1		ICB		ICB	
DS3		ICB		ICB	
	DCS Establishment Charge	ICB		ICB	
	Database Modification Charge	ICB		ICB	
	Reconfiguration Charge	ICB		ICB	
Line Information Database - LIDB					
	Validation Query (Regional STP Access Includes SMS & Sleuth)	\$	0.015282 (per query)		
	Query Transport (Regional STP Access Validation)	\$	0.000019 (per query)		
	Validation Query (Local STP Access Includes SMS & Sleuth)	\$	0.015282 (per query)		
	Query Transport (Local STP Access Validation)	\$	0.000135 (per query)		
	Validation Query (Operator Services)	\$	0.015282 (per query)		
	Query Transport (Operator Services)	\$	0.000290 (per query)		
	CNAM Database Query (Regional STP Access Includes SMS)	\$	0.008000 (per query)		
	CNAM Database Query (Local STP Access Includes SMS)	\$	0.008000 (per query)		
	LIDB Data Storage & Administration				
	Manual Update	NA		\$	2.00 (Per Update)
800 Database					
	Toll Free Database Query (Regional STP Access)	\$	0.001141 (per query)		
	Call Handling and Destination (Regional STP Access)	\$	0.000137 (per query)		
	Toll Free Database Query (Local STP Access)	\$	0.001257 (per query)		
	Call Handling and Destination (Local STP Access)	\$	0.000252 (per query)		
	Database Query (NonFacilities Based) - Call Routing	\$	0.002170 (per query)		
	Database Query (NonFacilities Based) - Routing Option	\$	0.000407 (per query)		
SS7					
	SS7 Links - Cross Connects				
	STP to Collocators Cage - DS0	See Dedicated Transport			
	STP to Collocators Cage- DS1	See Dedicated Transport			
	STP to SWBT MDF - DS0	See Dedicated Transport			
	STP to SWBT DSX Frame-DS1	See Dedicated Transport			
	SS7 Links				
	STP Access Connection - 1.544 Mbps	See Dedicated Transport			
	STP Access Link - 56 Kbps	See Dedicated Transport			
	Signal Transfer Point (STP), Per Port	\$	284.02	\$	624.49
	SS7 Signalling	USAGE			
	Signal Switching/IAM msg (ISUP)	\$	0.000127		
	Signal Transport/IAM msg (ISUP)	\$	0.000047		
	Signal Formulation/IAM msg (ISUP)	\$	0.000150		
	Signal Tandem Switching/IAM msg (ISUP)	\$	0.000219		
	Signal Switching/TCAP msg	\$	0.000113		
	Signal Transport/TCAP msg	\$	0.000031		
	Signal Formulation/TCAP msg	\$	0.000124		
	Originating Point Code Addition or Change	NA		\$	22.71
	Global Title Address Translation Addition or Change	NA		\$	12.22

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OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
Unbundled Access to AIN - AIN Database Query		BFR			
OTHER					
Directory Assistance					
Directory Assistance, per occurrence		\$	0.30	NA	
Directory Assistance Call Completion (DACC)		\$	0.15	NA	
Directory Assistance/National Assistance, per occurrence		\$	0.35	NA	
Branding - Facility Based					
- Branding, per trunk group				\$	800.00
- Branding - Other - Initial/Subsequent Load			NA	\$	1,800.00
- Per Call		\$	0.025		
Directory Assistance					
- Facilities Based Rate Reference - Initial Load				\$	2,200.00
- Facilities Based Rate Reference - Subsequent Rater Load or Reference Load				\$	1,000.00
DA Listings					
DA Listing License					
Option #1 Full File (all states) Non-Billable Release (no query charges)					
- per listing for initial load			NA	\$	0.04
- per listing for subsequent updates			NA	\$	0.06
Option #2 Full File (all states) Billable Release					
- per listing for initial load			NA	\$	0.02
- per listing for subsequent updates			NA	\$	0.03
- per usage/query			NA	\$	0.02
Option #3 Pick & Choose (by state) Non-billable Release (no query charges)					
- per listing for initial load				\$	0.05
- per listing for subsequent updates				\$	0.06
Option #4 Pick & Choose (by state) Billable Release					
- per listing for initial load				\$	0.02
- per listing for subsequent updates				\$	0.03
- per usage/query				\$	0.02
Operator Services					
Fully Automated Call Processing, per occurrence		\$	0.15	NA	
Operator Assisted Call Processing, per work second		\$	0.02	NA	
Branding					
- Per Trunk Group			NA	\$	800.00
- Per Call		\$	0.025		
Operator Services					
- Facilities Based Rate Reference - Initial Load				\$	2,200.00
- Facilities Based Rate Reference - Subsequent Rater Load or Reference Load				\$	1,000.00
Ancillary Message Billing Compensation (Per Message)		\$	0.03		
Structure Access - Poles & Ducts		Annually			
Pole Attachment Fee		\$	2.52		
Per Duct Attachment		\$	0.74		
Per Innerduct Attachment		\$	0.37		
Administrative Fee				\$	200.00
Emergency Number Service Access					
9-1-1 Selective Router Interconnection					
- Digital DS1 Interface		\$	336.44	\$	759.98
- Each DS0 Installed		\$	-	\$	364.69
- Analog Channel Interface		\$	28.72	\$	436.62
ANI/ALI/SR and Database Management					
- Per 100 records, rounded up to nearest 100*		\$	107.18	\$	-
* Rate subject to true-up					

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OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	9-1-1 Selective Router Switch Administration				
	- Per Selective Router	\$	5.55	\$	2,645.15
	Universal Emergency Number 9-1-1/Telecommunications Service Tariff	Tariff 20R, Part 8, Section 3			
	Ameritech DS1 Service				
	Exchange Circuit	Unregulated Service			
	Access Circuit	FCC No. 2, Section 7			
	Analog Channel (3002 Channel)				
	Exchange Circuit	Unregulated Service			
	Access Circuit	Fcc No. 2, Section 7			
RECIPROCAL COMPENSATION					
	Tandem Switching				
	per minute of use	\$	0.000623		
	Tandem Transport				
	Termination per Minute of Use (Statewide)	\$	0.000146		
	Facility Mileage per Minute, per Mile (Statewide)	\$	0.000006		
	Local End Office Termination				
	Per Originating or Terminating MOU (Statewide)	\$	0.003600		
TRANSIT SERVICE					
	Tandem Switching				
	per minute of use	P.U.C.O. Tariff No. 20, Part 21			
	Tandem Termination				
	per minute of use	P.U.C.O. Tariff No. 20, Part 21			
	Tandem Facility				
	per minute of use	P.U.C.O. Tariff No. 20, Part 21			
COLLOCATION					
	Physical Collocation				
	Service Order Charge - Per Order			\$	283.54
	Service Order Charge - Per Order Cancellation			\$	73.24
	Central Office Floor Space - Land & Building per 50 Sq. Ft.	\$	303.08		
	Central Office Floor Space - Land & Building per 100 Sq. Ft.	\$	490.59		
	Central Office Build Out (COBO) - Per 50 Sq. Ft. Cage	\$	633.44		
	Central Office Build Out (COBO) - Per Additional 50 Sq. Ft. Cage	\$	194.26		
	Central Office Build Out (COBO) - per 100 Sq. Ft. Cage	\$	696.46		
	Central Office Build Out (COBO) - per Additional 100 Sq. Ft.	\$	284.91		
	Transmission Node Enclosure				
	- Per Initial 50 Sq. Ft.	\$	47.78		
	- Per Additional 50 Sq. Ft.	\$	21.87		
	- Per Initial 100 Sq. Ft.	\$	60.39		
	- Per Additional 100 Sq. Ft.	\$	23.85		
	Fiber Cable Vault Splicing				
	- Per Initial Splice			\$	209.74
	- Per Subsequent Splice			\$	15.38
	Fiber Splice Testing				
	- Per Initial Splice Test			\$	48.16
	- Per Subsequent Splice Test			\$	2.83
	Fiber Cable Pulling From Manhole to Cable Vault				
	- Per First Foot			\$	227.79
	- Per Additional Foot			\$	1.14

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OHIO			AIT		
			RECURRING		AIT
			MONTHLY		NONRECURRING
		Fiber Cable Pulling From Vault to Transmission Node			
		- Per First Foot			\$ 85.00
		- Per Subsequent Foot			\$ 0.86
		Fiber Riser Space - Per Foot	\$ 1.09		
		Fiber Optic Entrance Cable Conduit - Per Fiber Optic Cable Foot	\$ 0.07		
		Power Consumption - Per DC Fuse AMP	\$ 6.76		
		Power Delivery - Per Power Lead			\$ 1,798.94
		200 Conductor Electrical Cross Connection - Per Block	\$ 59.65		
		Digital Cross-Connection Panel			
		- Per DSX-3 Termination	\$ 14.11		
		- Passive DS3 Termination	\$ 6.76		
		- DS3 Repeater	\$ 32.03		
		- Per DSX-1 Panel	\$ 41.18		
		- Passive DS1 Termination	\$ 0.54		
		- DS1 Repeater	\$ 5.52		
		Optical Cross-Connect Panel - Per OCX Panel Segment	\$ 5.41		
		Security Access Cards (per photo ID cards)			\$ 10.02
		Digital Timing Source - Per Sync Signal Provided	\$ 11.89		
		Space Reservation Change			
		- Per Each Request			\$ 732.36
		Diverse Riser Cable Route- Per Floor Traversed			\$ 474.44
Shared Cage Physical Collocation					
		Central Office Floor Space, Land & Building Per 50 Sq. Ft.	\$ 303.08		
		Service Order Charge, Per Order			\$ 561.45
		Service Order Charge, Per Disconnect Order			\$ 10.16
		Transmission Node Enclosure			
		- Per Initial 50 Sq. Ft.	\$ 47.78		
		- Per Additional 50 Sq. Ft. Enclosed	\$ 21.87		
		Security Access Card (per photo ID card)			\$ 10.02
Cageless Physical Collocation					
		Central Office Floor Space, Land & Building Per Standard Rack/Bay	\$ 32.85		
		Service Order Charge, Per Connect Order			\$ 410.45
		Service Order Charge, Per Disconnect Order			\$ 10.16
		Security Access Cards (per photo ID cards)			\$ 10.02
		Central Office Build Out (COBO) - Per Intial Bay	\$ 403.13		
		Central Office Build Out (COBO) - Per Additional Bay	\$ 67.55		
Virtual Collocation Service					
		Service Order Charge - Per Order			\$ 115.61
		Fiber Optic - Entrance Facility - Per Fiber Foot	\$ 0.07		
		Fiber Riser Cable			
		- Per Riser Cable	\$ 0.24		
		- Per Fiber Termination	\$ 1.41		

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OHIO		AIT			
		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	Fiber Cable Vault Splicing				
	- Per Initial Splice			\$	209.74
	- Per Subsequent Splice			\$	15.38
	Fiber Cable Splice Testing				
	- Per Initial Splice Test			\$	48.16
	- Per Subsequent Splice Test			\$	2.83
	Fiber Cable Pulling From Manhole to Cable Vault				
	- Per First Foot			\$	227.79
	- Per Additional Foot			\$	1.14
	Fiber Cable Pulling From Vault to the LGX Panel				
	- Per First Foot			\$	85.00
	- Per Additional Foot			\$	0.86
	Diverse Riser Cable Route - Per Floor Traversed			\$	474.44
	Equipment Bay - Per 7' Bay Installed				
	(Customer provided/installed/pre-packaged)	\$	21.88		
	Equipment Bay - Per 7' Bay Installed				
	(Company provided/installed)	\$	25.48	\$	497.94
	Project Management Fee				
	- Per Initial 7' Bay (Installed on Initial or Subsequent Order)			\$	2,922.47
	- Per Additional 7' Bay (Installed on Initial or Subsequent Order)			\$	1,464.74
	- Per Initial Shelf (Installed on Subsequent Order)			\$	2,197.10
	- Per Additional Shelf (Installed on Same Subsequent Order)			\$	1,318.26
	- Per Bay Rearrangement and/or Miscellaneous Work			\$	1,757.68
	Power Consumption - Per Fuse AMP	\$	6.76		
	Power Delivery - Per 7' Bay Installed			\$	1,798.94
	200 Conductor Electrical Cross-Connection Block - Per Block	\$	59.65		
	Digital Cross-Connection Panel				
	- Per DSX-3 Termination	\$	14.11		
	- Per DSX-1 Panel	\$	41.18		
	Optical Cross-Connection Panel - Per OCX Panel Segment	\$	5.41		
	Digital Timer Source - Per Timer Circuit Required	\$	2.38		
	Thru-Connect				
	- Per DSX-1 to DSX-1	\$	0.21	\$	6.88
	- Per OCX to OCX	\$	1.61	\$	6.88
Premises Report					
	Premises Report				T&M
	Note: T & M - Time and Materials				
AT&T Network Interconnection Services					
DS1 Collocation Termination Charges per DS1 (Per Trunk Group)					
	1 - 28 DS1s	\$	36.00	\$	267.00
	29 - 56 DS1s	\$	33.00	\$	267.00
	57 - 84 DS1s	\$	26.00	\$	267.00
	85 - 112 DS1s	\$	21.00	\$	267.00
	113 - 140 DS1s	\$	17.00	\$	267.00
	141 - 168 DS1s	\$	13.00	\$	267.00
	169 - 300 DS1s	\$	12.00	\$	175.00
	301 - 500 DS1s	\$	12.00	\$	125.00
	501 - 750 DS1s	\$	12.00	\$	75.00
	751 - 1000 DS1s	\$	12.00	\$	50.00
	1001+	\$	12.00	\$	25.00

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		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	DS3 to DS1 Multiplexing per DS3			\$ 620.00	
	Leased DS1 Facility				
	without mileage	\$ 186.00			
	with mileage	\$ 334.00	\$25.00 / mile		
	Signaling Link Port Termination	\$ 419.44		\$ 475.00	
	Installation per DS1 Trunk Group			\$ 177.50	
	Service Order Charge per Order			\$ 50.00	
	Engineering Charge per DS1 Trunk Group			\$ 120.00	
	Service Order Change Charge			\$ 50.00	
	Administrative Change Charge			\$ 50.00	
	Initial Address Message (IAM)	\$ 0.000512	per message		
	Reciprocal Compensation	TBD			
	RESALE				
		RESALE DISCOUNTS		RESALE DISCOUNTS	
		RECURRING		NONRECURRING	
		Company Provided	CLEC Provided	Company Provided	CLEC Provided
	BUSINESS				
	LOCAL EXCHANGE SERVICE				
	Business 1 Party	20.29%	21.45%	20.29%	21.45%
	Business - Measured	20.29%	21.45%	20.29%	21.45%
	Customer Operated Pay Telephone (COPT)	20.29%	21.45%	20.29%	21.45%
	EXPANDED LOCAL CALLING				
	Extended Area Service	20.29%	21.45%	20.29%	21.45%
	VERTICAL SERVICES				
	Anonymous Call Rejection	20.29%	21.45%	20.29%	21.45%
	Repeat Dialing (Auto Redial)	20.29%	21.45%	20.29%	21.45%
	Repeat Dialing-Per Use (Auto Redial - Usage Sensitive)	20.29%	21.45%	20.29%	21.45%
	Call Blocker	20.29%	21.45%	20.29%	21.45%
	Call Forwarding	20.29%	21.45%	20.29%	21.45%
	Call Forwarding - Busy Line	20.29%	21.45%	20.29%	21.45%
	Call Forwarding - Busy Line/Don't Answer	20.29%	21.45%	20.29%	21.45%
	Call Forwarding - Don't Answer	20.29%	21.45%	20.29%	21.45%
	Automatic CallBack (Call Return)	20.29%	21.45%	20.29%	21.45%
	Automatic CallBack-Per Use (Call Return - Usage Sensitive)	20.29%	21.45%	20.29%	21.45%
	Call Trace	20.29%	21.45%	20.29%	21.45%
	Call Waiting	20.29%	21.45%	20.29%	21.45%
	Caller ID WithName (Calling Name)	20.29%	21.45%	20.29%	21.45%
	Caller ID (Calling Number)	20.29%	21.45%	20.29%	21.45%
	MultiRing Service -1 (Personalized Ring -1 Dependent Number)	20.29%	21.45%	20.29%	21.45%
	MultiRing Service -2 (Personalized Ring - 2 Dependent Numbers)	20.29%	21.45%	20.29%	21.45%
	Remote Access to Call Forwarding (Grandfathered)	0.00%	0.00%	0.00%	0.00%
	Selective Call Forwarding	0.00%	0.00%	0.00%	0.00%
	Multi-Path Call Forwarding (Simultaneous Call Forwarding)	20.29%	21.45%	20.29%	21.45%
	Remote Call Forwarding-Per Feature	20.29%	21.45%	20.29%	21.45%
	RCF, Interstate, Interexchange	20.29%	21.45%	20.29%	21.45%
	RCF, Intrastate	20.29%	21.45%	20.29%	21.45%
	RCF, Interstate, International	20.29%	21.45%	20.29%	21.45%
	RCF, Intrastate, Interexchange	20.29%	21.45%	20.29%	21.45%
	RCF to 800	20.29%	21.45%	20.29%	21.45%
	RCF Additional	20.29%	21.45%	20.29%	21.45%

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		RECURRING		NONRECURRING	
		MONTHLY			
	Speed Calling 8	20.29%	21.45%	20.29%	21.45%
	Speed Calling 30	20.29%	21.45%	20.29%	21.45%
	Three Way Calling	20.29%	21.45%	20.29%	21.45%
	Call Screening	20.29%	21.45%	20.29%	21.45%
	Busy Line Transfer	20.29%	21.45%	20.29%	21.45%
	Alternate Answer	20.29%	21.45%	20.29%	21.45%
	Message Waiting - Tone	20.29%	21.45%	20.29%	21.45%
	Easy Call	20.29%	21.45%	20.29%	21.45%
	Prime Number Service	20.29%	21.45%	20.29%	21.45%
	AMERITECH Privacy Manager	20.29%	21.45%	20.29%	21.45%
	Name and Number Delivery Service	20.29%	21.45%	20.29%	21.45%
	DID				
	DID	20.29%	21.45%	20.29%	21.45%
	TRUNKS				
	Trunk	20.29%	21.45%	20.29%	21.45%
	AIN				
	Area Wide Networking	20.29%	21.45%	20.29%	21.45%
	Ameritech Switch Alternate Routing (ANSAR)	20.29%	21.45%	20.29%	21.45%
	Ameritech Customer Location Alternate Routing (ACLAR)	20.29%	21.45%	20.29%	21.45%
	OTHER				
	Grandfathered Services	0.00%	0.00%	0.00%	0.00%
	Promotions (Greater than 90 days)	20.29%	21.45%	20.29%	21.45%
	TouchTone (Business)	20.29%	21.45%	20.29%	21.45%
	TouchTone (Trunk)	20.29%	21.45%	20.29%	21.45%
	900/976 Call Blocking (900/976 Call Restriction)	0.00%	0.00%	0.00%	0.00%
	976 (976 Information Delivery Service)	0.00%	0.00%	0.00%	0.00%
	Access Services (See Access Tariff)	0.00%	0.00%	0.00%	0.00%
	Additional Directory Listings	20.29%	21.45%	20.29%	21.45%
	Carrier Disconnect Service (Company Initiated Suspension Service)	0.00%	0.00%	0.00%	0.00%
	Connection Services	20.29%	21.45%	20.29%	21.45%
	Premise Services/Line Backer (Maintenance of Service Charges)	0.00%	0.00%	0.00%	0.00%
	Shared Tenant Service	0.00%	0.00%	0.00%	0.00%
	ISDN				
	ISDN	20.29%	21.45%	20.29%	21.45%
	DIRECTORY ASSISTANCE SERVICES	20.29%	21.45%	20.29%	21.45%
	Local Operator Assistance Service	20.29%	21.45%	20.29%	21.45%
	TOLL				
	TOLL	20.29%	21.45%	20.29%	21.45%
	OPTIONAL TOLL CALLING PLANS				
	Optional Toll Calling Plans	20.29%	21.45%	20.29%	21.45%
	CENTREX (PLEXAR)				
	Ameritech Centrex Service ACS	20.29%	21.45%	20.29%	21.45%
	Ameritech Centrex Network Manager	0.00%	0.00%	0.00%	0.00%
	PRIVATE LINE				
	Analog Private Lines	20.29%	21.45%	20.29%	21.45%
	Private Line Channel Services	20.29%	21.45%	20.29%	21.45%
	RESIDENCE				
	LOCAL EXCHANGE SERVICE				
	Life Line	0.00%	0.00%	0.00%	0.00%
	Residence 1 Party	20.29%	21.45%	20.29%	21.45%
	Residence Measured	20.29%	21.45%	20.29%	21.45%
	EXPANDED LOCAL CALLING				
	Extended Area Service	20.29%	21.45%	20.29%	21.45%

TBD -To be determined
BFR -Bona Fide Request
ICB -Individual Case Basis
NA -Not Applicable
(-) -Not Available as of effective date

AMERITECH/AT&T
OHIO
ICA
PRICING SCHEDULE

OHIO		AIT			
		RECURRING		AIT	
		MONTHLY		NONRECURRING	
VERTICAL SERVICES					
Anonymous Call Rejection		20.29%	21.45%	20.29%	21.45%
Repeat Dialing (Auto Redial)		20.29%	21.45%	20.29%	21.45%
Repeat Dialing -Per Use (Auto Redial - Usage Sensitive)		20.29%	21.45%	20.29%	21.45%
Call Blocker		20.29%	21.45%	20.29%	21.45%
Call Forwarding		20.29%	21.45%	20.29%	21.45%
Call Forwarding - Busy Line		20.29%	21.45%	20.29%	21.45%
Call Forwarding - Busy Line/Don't Answer		20.29%	21.45%	20.29%	21.45%
Call Forwarding - Don't Answer		20.29%	21.45%	20.29%	21.45%
Automatic Call-Back (Call Return)		20.29%	21.45%	20.29%	21.45%
Automatic Call-Back Per Use (Call Return - Usage Sensitive)		20.29%	21.45%	20.29%	21.45%
Call Trace		20.29%	21.45%	20.29%	21.45%
Call Waiting		20.29%	21.45%	20.29%	21.45%
Caller ID with Name (Calling Name)		20.29%	21.45%	20.29%	21.45%
Caller ID (Calling Number)		20.29%	21.45%	20.29%	21.45%
Multi-Ring Service - 1 (Personalized Ring- 1 dependent number)		20.29%	21.45%	20.29%	21.45%
Multi-Ring Service - 2 (Personalized Ring - 2 dependent numbers - 1st dependent number)		20.29%	21.45%	20.29%	21.45%
Remote Access to Call Forwarding (GF)		20.29%	21.45%	0.00%	0.00%
RCF, Interstate, Interexchange		20.29%	21.45%	20.29%	21.45%
RCF, Intrastate		20.29%	21.45%	20.29%	21.45%
RCF, Interstate, International		20.29%	21.45%	20.29%	21.45%
RCF, Intrastate, Interexchange		20.29%	21.45%	20.29%	21.45%
RCF to 800		20.29%	21.45%	20.29%	21.45%
RCF Additional		20.29%	21.45%	20.29%	21.45%
Selective Call Forwarding		20.29%	21.45%	20.29%	21.45%
Speed Calling 8		20.29%	21.45%	20.29%	21.45%
Three Way Calling		20.29%	21.45%	20.29%	21.45%
Call Screening		20.29%	21.45%	20.29%	21.45%
Busy Line Transfer		20.29%	21.45%	20.29%	21.45%
Alternate Answer		20.29%	21.45%	20.29%	21.45%
Message Waiting - Tone		20.29%	21.45%	20.29%	21.45%
Easy Call		20.29%	21.45%	20.29%	21.45%
AMERITECH Privacy Manager		20.29%	21.45%	20.29%	21.45%
Name and Number Delivery Service		20.29%	21.45%	20.29%	21.45%
ISDN					
ISDN		20.29%	21.45%	20.29%	21.45%
OTHER (Resale)					
DIRECTORY ASSISTANCE SERVICES		20.29%	21.45%	20.29%	21.45%
Local Operator Assiustance Service		20.29%	21.45%	20.29%	21.45%
OTHER					
Grandfathered Services		0.00%	0.00%	0.00%	0.00%
Promotions (Greater than 90 Days)		20.29%	21.45%	20.29%	21.45%
TouchTone		20.29%	21.45%	20.29%	21.45%
Home Services Packages		20.29%	21.45%	20.29%	21.45%
900/976 Call Blocking (900/976 Call Restriction)		0.00%	0.00%	0.00%	0.00%
976 (976 Information Delivery Service)		0.00%	0.00%	0.00%	0.00%
Access Services (See Access Tariff)		0.00%	0.00%	0.00%	0.00%
Additional Directory Listings		20.29%	21.45%	20.29%	21.45%
Carrier Disconnect Service (Company Initiated Suspension Service)		0.00%	0.00%	0.00%	0.00%
Connection Services		20.29%	21.45%	20.29%	21.45%
Premise Services/Line Backer (Maintenance of Service Charges)		0.00%	0.00%	0.00%	0.00%
Shared Tenant Service		0.00%	0.00%	0.00%	0.00%
TOLL					
Custom and Dedicated 800 Service (Home 800)		20.29%	21.45%	20.29%	21.45%
IntraLATA MTS		20.29%	21.45%	20.29%	21.45%
Toll Restriction		20.29%	21.45%	20.29%	21.45%
Electronic Billing Information Data (daily usage)		\$0.00			
per message					

TBD -To be determined
 BFR -Bona Fide Request
 ICB -Individual Case Basis
 NA -Not Applicable
 (-) -Not Available as of effective date

AMERITECH/AT&T
 OHIO
 ICA
 PRICING SCHEDULE

		AIT			
OHIO		RECURRING		AIT	
		MONTHLY		NONRECURRING	
	Local Disconnect Report (LDR)				
	Per WTN	\$0.00			
	Line Connection Charge				
	Residence			NA	
	Business			NA	
	Service Order/Service Request Charge				
	Residence - Complex			\$ 14.07	
	Residence - Simple			\$ 14.07	
	Business - Complex			\$ 12.63	
	Business - Simple			\$ 20.33	
	Non-Electronic (Manual) Service Order Charge				
	Residence			\$ 9.02	
	Business			\$ 9.02	

SCHEDULE 1.2 DEFINITIONS

“Access Compensation” means the compensation paid by one Party to the other Party for the origination/termination of intraLATA toll calls to/from its End User. Access compensation is in accordance with the LEC’s tariffed access rates.

“Access Toll Connecting Trunks” is as defined in Section 5.1.

“Act” means the Communications Act of 1934 (47 U.S.C. § 151 et seq.), as amended by the Telecommunications Act of 1996, and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

“Asymmetrical Digital Subscriber Line” or “ADSL” means a transmission technology which transmits an asymmetrical digital signal using one of a variety of line codes.

“Advanced Intelligent Network” or “AIN” is a network functionality that permits specific conditions to be programmed into a switch which, when met, directs the switch to suspend call processing and to receive special instructions for further call handling instructions in order to enable carriers to offer advanced features and services.

“Affiliate” is as defined in the Act.

“A-link” means a diverse pair of facilities connecting local end office switching centers or Signaling Control Points (“SCPs”) with Signaling Transfer Points (“STPs”).

“AMA” means the Automated Message Accounting structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Telcordia as GR-1100-CORE which defines the industry standard for message recording.

“Account Owner” means a telecommunications company, including SBC-AMERITECH, that stores and/or administers Line Record Information and/or Group Record Information in a Party’s LIDB and/or Calling Name Database.

“Alternate Billing Service” or “ABS” means a service that allows End Users to bill calls to accounts that may not be associated with the originating line. There are three types of ABS calls: calling card, collect and third number billed calls.

Ameritech, AMERITECH, and SBC-AMERITECH (wherever each name may appear in this Agreement) shall mean Ameritech Ohio.

“Applicable Law or Laws” is as defined in Section 19.2.

“As Defined in the Act” means as specifically defined by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

“As Described in the Act” means as described in or required by the Act, and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

“AT&T Switch Center POI” means a physical address in a LATA where AT&T has located one or more Local Switches, or in the case where AT&T has a Switch in one LATA serving a customer in a different LATA, the AT&T Switch Center POI in the customer’s LATA is the physical address (in the LATA where the customer and the ILEC are located) that is designated for the delivery of ILEC traffic.

“Automatic Location Identification” or “ALI” means a feature by which the service address associated with the calling party’s telephone number identified by ANI as defined herein, is forwarded to the PSAP for display. Additional telephones with the same number as the calling party’s, including secondary locations and off-premise extensions will be identified with the service address of the calling party’s number.

“Automatic Number Identification” or “ANI” means a Feature Group D signaling parameter which refers to the number transmitted through a network identifying the billing number of the calling party. With respect to 911 and E911, ANI means a feature by which the calling party’s telephone number is automatically forwarded to the E911 Control Office and to the PSAP display and transfer office.

“Automatic Route Selection” or “ARS” means a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.

“Bellcore” means Bell Communications Research, Inc.

“Bill Date” means the date that a bill is issued by a Party.

“Billed Number Screening” or “BNS” means a validation of toll billing exception (TBE) data and performance of public telephone checks; i.e., determining if a billed line is a public (including those classified as semi-public) telephone number.

“Binding Forecast” is as defined in Section 19.5.3.

“BLV/BLVI Traffic” means an operator service call in which the caller inquires as to the busy status of or requests an interruption of a call on another Customer’s Telephone Exchange Service line.

“Business Day” means a day on which banking institutions are required to be open for business in Chicago, Illinois.

“Bona Fide Request” means the process described in Schedule 2.2.

“CABS” means the Carrier Access Billing System.

“Calling Card Service” or “CCS” means a service that enables a calling customer to bill a telephone call to a calling card number with or without the help of an operator.

“Calling Name Database” means a Party’s database containing current Calling Name Information, including the Calling Name Information of any telecommunications company participating in that Party’s Calling Name Database. A Calling Name Database may be part of, or separate from, a LIDB.

“Calling Number Delivery” is a feature that enables an end user to view the directory number of the calling party on a display unit.

“Calling Name Delivery Service” or “CNDS” means a service that enables a terminating End User to identify the calling party by a displayed name before a call is answered. The calling party’s name is retrieved from a Calling Name Database and delivered to the customer’s premises between the first and second ring for display on compatible customer premises equipment.

“Calling Name Information” means a telecommunications company’s records of its subscribers names associated with one or more assigned ten-digit telephone numbers.

“Calling Party Number” or “CPN” is a Common Channel Interoffice Signaling (“CCIS”) parameter which refers to the number transmitted through a network identifying the calling party.

“CCS” means one hundred (100) call seconds.

“Central office switch” (“Central Office”) means a switching entity within the public switched telecommunications network, including End Office Switches and tandem switches. A Central Office Switch may also provide tandem switching functions.

“End Office Switch” or “End Office” means a switching machine that directly terminates traffic to and receives traffic from purchasers of local exchange services. An End Office Switch does not include a PBX.

“Tandem Office Switch” or “Tandem(s)” are used to connect and switch trunk circuits between and among other Central Office Switches. A Tandem Switch does not include a PBX.

“Centralized Message Distribution System” or “CMDS” means the transport system that LECs use to exchange outcollect and “Carrier Access Billing System” or “CABS” access messages among each other and other Parties connected to CMDS.

“Centrex” means a Telecommunications Service associated with a specific grouping of lines that uses Central Office switching equipment for call routing to handle direct dialing of calls and to provide many private branch exchange-like features.

“CLASS Features” means certain CCIS-based features available to Customers including: Automatic Call Back; Caller Identification and related blocking features; Distinctive Ringing/Call Waiting; Selective Call Forward; and Selective Call Rejection.

“CNAM Query” means a LIDB Service Application that allows AT&T to query a Calling Name Database for Calling Name Information in order to deliver that information to AT&T’s local CNDS subscribers.

“CNAM Query Rate” means a rate that applies to each CNAM Query received at the SCP where the Calling Name Database resides.

“Commercial Mobile Radio Service” or “CMRS” is as defined in the Act.

Central Office Build Out (COBO) is a service element or rate element in the LEC’s collocation tariff that “includes the nonrecurring charges to recover additions to and distribution of heating, ventilation, and air conditioning, relay rack grounding, relay racks, and an AC Power circuit.”

“Collocation” is as described in the Act.

“Combination” is as defined in Article IX.

“Commission” or “OPUC” means the Public Utilities Commission of Ohio.

“Common Channel Interoffice Signaling” or “CCIS” means the signaling system, developed for use between switching systems with stored-program control, in which all of the signaling information for one or more groups of trunks is transmitted over a dedicated high-speed data link rather than on a per-trunk basis and, unless otherwise agreed by the Parties, the CCIS used by the Parties shall be SS7.

“Consequential Damages” is as defined in Section 26.5.

“Contract Month” means a calendar month (or portion thereof) during the term of this Agreement. Contract Month one (1) shall commence on the first day of the first calendar month following the Effective Date and end on the last day of that calendar month.

“Contract Year” means a twelve (12) month period during the term of this Agreement commencing on the Effective Date and each anniversary thereof.

“Control Office” means the Central Office providing Tandem Switching Capability for E911 calls. The Control Office controls switching of ANI information to the PSAP and also provides the Selective Routing feature, standard speed calling features, call transfer capability and certain maintenance functions for each PSAP.

“Cross Connection” means a connection provided pursuant to Collocation at the Digital Signal Cross Connect, Main Distribution Frame or other suitable frame or panel between: (i) the collocated Party’s equipment, and (ii) the equipment of a third-party collocated Telecommunications Carrier or the equipment or facilities of the other Party which provides such Collocation.

“Customer/End User” means a third-party residence or business that subscribes to Telecommunications Services provided at retail by either of the Parties. As used herein, the term "End Users" does not include any of the Parties to this Agreement with respect to any item or service obtained under this Agreement.

“Customer Listing(s)” means a list containing the names, the telephone numbers, addresses and zip codes of Customers within a defined geographical area, except to the extent such Customers have requested not to be listed in a directory.

“Customer Name and Address Information” or “CNA” means the name, service address and telephone numbers of a Party's Customers for a particular Exchange Area. CNA includes nonpublished listings, coin telephone information and published listings.

“Customer Proprietary Network Information” is as defined in the Act.

“Customer Usage Data” means the Telecommunications Services usage data of an AT&T End User measured in minutes, sub-minute increments, message units, or otherwise, that is recorded by SBC-AMERITECH and forwarded to AT&T.

“Data Base Administration Center” or “DBAC” means an SBC-AMERITECH location where facility and administrative personnel are located for administering LIDB and/or Sleuth.

“Data Management System” or “DMS” means a system of manual procedures and computer processes used to create, store and update the data required to provide the Selective Routing (“SR”) and ALI features.

“Delaying Event” means (a) any failure of a Party to perform any of its obligations set forth in this Agreement, caused in whole or in part by (i) the failure of the other Party to perform any of its obligations set forth in this Agreement, or (ii) any delay, act or failure to act by the other Party or its End User, agent or subcontractor or (b) any Force Majeure Event.

“Derivative Information” is as defined in **Section 20.1.1(b)**.

“Dialing Parity” is as defined in the Act.

“Digital Signal Level” means one of several transmission rates in the time-division multiplex hierarchy.

“Digital Signal Level 0” or “DS0” means the 64 kbps zero-level signal in the time-division multiplex hierarchy.

“Digital Signal Level 1” or “DS1” means the 1.544 Mbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS1 is the initial level of multiplexing.

“Digital Signal Level 3” or “DS3” means the 44.736 Mbps third-level in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS3 is defined as the third level of multiplexing.

“Disclosing Party” is as defined in **Section 20.1.1(a)**.

“Dispute” is as defined in **Section 28.3.2**.

“Dispute Resolution Process” means the procedures described in **Section 28.3** which have been agreed upon by the Parties on a case-by-case basis for resolution of disputes.

“Disputed Amounts” is as defined in **Section 28.2.1.1.1**.

“Effective Date” is as defined in **Section 21.1. 1**.

“Emergency Services” mean police, fire, ambulance, rescue and medical services.

“Enhanced 911 (E911) Service” or “E911” provides completion of 911 calls via dedicated trunking facilities and includes Automatic Number Identification (“ANI”), Automatic Location Identification (“ALI”) and/or Selective Routing (“SR”).

“Enhanced Service Provider” or “ESP” is a company that provides enhanced or value-added services to end users. An ESP typically adds value to telephone lines using its own software and hardware. Internet Service Providers are ESPs.

“Exchange Access” is as defined in the Act.

“Exchange Area” means an area, defined by the Commission, for which a distinct local rate schedule is in effect.

“Exchange Message Interface” or “EMI” (formerly Exchange Message Record- EMR) means the standard used for exchange of Telecommunications message information among Telecommunications providers for billable, non-billable, sample, settlement and study data. EMI format is contained in Telcordia Practice BR-010-200-010 CRIS Exchange Message Record.

“FCC” means the Federal Communications Commission.

“Feature Group D” or “FG-D” is access available to all customers, providing trunk side access to a Party’s End Office Switches with an associated uniform 101XXXX access code for customer’s use in originating and terminating communications.

“Foreign Exchange” or “FX” means a service whereby calls either originated by or delivered to a customer who has purchased FX service from the state or interstate tariffs of either Party. FX also includes, but is not limited to, FX-like services provided by either Party where calls are originated from and/or delivered to numbers which are assigned to a Rate Center within one local calling area but where the Party receiving the call is physically located outside of that local calling area. FX service can be either interLATA or intraLATA. InterLATA FX, where the originating and receiving parties are physically located in different LATAs, is considered equivalent to FGA and the intercarrier compensation mechanism is the same as FGA. IntraLATA FX, when provided by two or more Local Exchange Carriers (“LECs”), is considered a jointly provided service and meet-point billed by those providing it utilizing a mutually agreed to meet-point billing, or meet-point billing like procedure.

“Fiber-Meet” means an Interconnection architecture method whereby the Parties physically Interconnect their networks via an optical fiber interface (as opposed to an electrical interface) at a mutually agreed upon location, at which one Party's responsibility or service begins and the other Party's responsibility ends.

“Force Majeure Event” is as defined in **Section 30.5**.

“Grandfathered Services” is as defined in **Section 10.3.1**.

“Hazardous Substances” is as defined in **Section 19.4**.

“High-Bit Rate Digital Subscriber Line” or “HDSL” means a transmission technology which transmits up to a DS1-level signal, using any one of the following line codes: 2 Binary / 1 Quaternary (“2B1Q”), Carrierless AM/PM, Discrete Multitone (“DMT”), or 3 Binary / 1 Octel (“3B1O”).

“Incumbent Local Exchange Carrier” or “ILEC” is as defined in the Act.

“Information Service Traffic” means Local Traffic or IntraLATA Toll Traffic which originates on a Telephone Exchange Service line and which is addressed to an information service provided over a Party's information services platform (e.g., 976).

“Initial Address Message” or “IAM” means the message used to establish a connection on a specified circuit. The IAM provides the circuit information, which includes the carrier identification and any special requirements to be considered in the handling of the call.

“Initial Billing Company” or “IBC” means the Local Exchange Carrier which provides the Feature Group B or D services in an End Office. For purposes of this Agreement, AT&T is the IBC.

“Initial Term” is as defined in **Section 21.1.2**.

“Insufficient Capacity” is as defined in **Section 16.1.2**.

“Integrated Digital Loop Carrier” means a subscriber loop carrier system that is twenty-four (24) local Loop transmission paths combined into a 1.544 Mbps digital signal which integrates within the switch at a DS1 level.

“Integrated Services Digital Network” or “ISDN” means a switched network service that provides end-to-end digital connectivity for the simultaneous transmission of voice and data. Basic Rate Interface-ISDN (“BRI-ISDN”) provides for a digital transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D).

“Intellectual Property” means copyrights, patents, trademarks, trade-secrets, mask works and all other intellectual property rights.

“Interconnection” is as defined in the Act.

“Interconnection Point,” “Point of Interconnection,” or “POI” is a physical location at which the Parties’ networks meet for the purpose of establishing interconnection. POIs include a number of different technologies and technical interfaces based on the terms of the Agreement.

“Interexchange Carrier” or “IXC” means a carrier that provides interLATA or intraLATA Telephone Toll Services.

“Interim Telecommunications Number Portability” or “INP” is as described in the Act.

“InterLATA” is as defined in the Act.

“IntraLATA Toll Traffic” means all intraLATA traffic between two locations within one LATA where one of the locations lies outside of the normal local calling area as defined by the applicable Commission.

“Intermediate Distribution Frame” or “IDF” is a second frame that augments an existing Main Distribution Frame. Lines or outside cables do not terminate on the IDF.

“Joint Operational Team(s)” means inter-company teams formed by the Parties to handle responsibilities as described in Article XVIII.

“Listing Update(s)” means information with respect to Customers necessary for Publisher to publish directories under this Agreement in a form and format acceptable to Publisher. For Customers whose telephone service has changed since the last furnished Listing Update because of new installation, disconnection, change in address, change in name, change in non-listed or non-published status, or other change which may affect the listing of the Customer in a directory, Listing Updates shall also include information necessary in order for Publisher to undertake initial delivery and subsequent delivery of directories, including mailing addresses, delivery addresses and quantities of directories requested by a Customer. In the case of Customers who have transferred service from another LEC to AT&T without change of address, Listing Updates shall also include the Customer's former listed telephone number and former LEC, if available. Similarly, in the case of Customers who have transferred service from AT&T to another LEC, Listing Updates shall also include the Customer's referral telephone number and new LEC, if available.

“Line Information Database(s)” or “LIDB” means a transaction-oriented database system that functions as a centralized repository for data storage and retrieval. LIDB is accessible through CCS networks. LIDB contains records associated with customer line numbers and special billing numbers. LIDB accepts queries from other network elements and provides return result, return error, and return reject responses as appropriate. Examples of information that Account Owners might store in LIDB and in their Line Records are: ABS Validation Data, Originating Line Number Screening (“OLNS”) data, ZIP Code data, and Calling Name Information.

“Line Record” means information in LIDB and/or the LIDB administrative system that is specific to a single telephone number or Special Billing Number.

“LIDB Editor” means an SCP tool that bypasses the LIDB administrative system and provides emergency access to LIDB for data administration.

“LIDB Service Applications” means the query types SBC-AMERITECH accepts for access to LIDB information.

“Local Access and Transport Area” or “LATA” is as defined in the Act.

“Local Exchange Carrier” or “LEC” is as defined in the Act.

“Local Loop Transmission” or “Loop” means the transmission path which extends from Network Interface Device or demarcation point at a Customer's premises to the Main Distribution Frame or other designated frame or panel in a Party's Wire Center which serves the Customer. Loops are defined by the electrical interface rather than the type of facility used.

“Local Number Portability” or “LNP” means the ability of users of Telecommunications Services to retain, at the same location, existing telephone numbers without impairment of quality, reliability, or convenience when switching from one Telecommunications Carrier to another.

Local Traffic/Local Calls – The Parties acknowledge that they have been unable to agree on a definition of local traffic for purposes of reciprocal compensation. Accordingly, either Party may initiate proceedings pursuant to the Ohio Public Utilities Commission Entry on Rehearing dated February 13, 2003 in Case No. 00-1188-TP-ARB to resolve the issue. Once a legally binding resolution of the issue is reached, the Parties will, within 30 days, amend this Agreement to incorporate language conforming to that resolution. Until that time, on an interim basis, the Parties will operate under the following definition of Local Traffic - "Local Traffic" means local service area calls as defined by the Ohio Public Utilities Commission.

“Loss” or “Losses” means any and all losses, costs (including court costs), claims, damages (including fines, penalties, and criminal or civil judgments and settlements), injuries, liabilities and expenses (including attorneys' fees).

“Main Distribution Frame” means the distribution frame of the Party providing the Loop used to interconnect cable pairs and line and trunk equipment terminals on a switching system.

“Make-Ready Work” means all work, including rearrangement or transfer of existing facilities or other changes required to accommodate AT&T's Attachments.

“MECAB” refers to the Multiple Exchange Carrier Access Billing (“MECAB”) document prepared by the Billing Committee of the Ordering and Billing Forum (“OBF”), which functions under the auspices of the Carrier Liaison Committee (“CLC”) of the Alliance for Telecommunications Industry Solutions (“ATIS”). The MECAB document published by ATIS/OBF- MECAB Issue 6, February 1998, contains the recommended guidelines for the billing of an access service provided to an IXC by two or more LECs, or by one LEC in two or more states within a single LATA.

“Meet-Point Billing” refers to the billing associated with interconnection of facilities between two or more LECs for the routing of traffic to and from an IXC with which one of the LECs does not have a direct connection. In a multi-bill environment, each Party bills the

appropriate tariffed rate for its portion of a jointly provided Switched Exchange Access Service.

“Multiple Bill/Single Tariff” is the meet-point billing method where each LEC prepares and renders its own meet point bill to the IXC in accordance with its own tariff for that portion of the jointly provided Switched Access Service which that LEC provides. The MECAB documents refer to this method as Multiple Bill/reflecting a single tariff (“MM”).

“MECOD” refers to the Multiple Exchange Carriers Ordering and Design Guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee of the OBF, which functions under the auspices of the CLC of ATIS. The MECOD document, published by ATIS as ATIS/OBF- MECAB- Issue 3, February 1993, establishes methods for processing orders for access service which is to be provided to an IXC by two or more telecommunications providers.

“Mutual Compensation/Reciprocal Compensation” means compensation between the Parties for those “Local Calls” that originate on the network of one Party and terminate on the network of the other party.

“Network Element” is as defined in the Act.

“North American Numbering Plan” or “NANP” means the numbering plan used in the United States that also serves Canada, Bermuda, Puerto Rico and certain Caribbean Islands. The NANP format is a 10-digit number that consists of a 3-digit NPA code (commonly referred to as the area code), followed by a 3-digit NXX code and 4-digit line number.

“Number Portability” is as defined in the Act.

“NXX” means the three-digit code which appears as the first three digits of a seven-digit telephone number.

“OBF” means the Ordering and Billing Forum (“OBF”), which functions under the auspices of the Carrier Liaison Committee (“CLC”) of the Alliance for Telecommunications Industry Solutions (“ATIS”).

“Occupancy Date” is as defined in **Section 12.15.2(h)**.

“Party” means either SBC-AMERITECH or AT&T, and “Parties” means SBC-AMERITECH and AT&T.

“Physical Collocation” is as defined in the Act.

“PIC” is as defined in **Section 10.11.4**.

“Personal Identification Number” or “PIN” means a confidential four-digit code number provided to a calling card customer to prevent unauthorized use of his/her calling card number. LIDB and/or the LIDB administrative system can store a PIN for those line numbers that have an associated calling card.

“Point of Interconnection”, “Interconnection Point”, or “POI” is a physical location at which the parties’ networks meet for the purpose of establishing interconnection. POIs include a number of different technologies and technical interfaces based on the terms of the agreement.

“Premises” is as defined in the Act.

“Primary Listing” means the single directory listing provided to Customers by Publisher under the terms of this Agreement. Each telephone configuration that allows a terminating call to hunt for an available time among a series of lines shall be considered a single Customer entitled to a single primary listing.

“Proprietary Information” is as defined in **Section 20.1.1**.

“Public Safety Answering Point” or “PSAP” means an answering location for 9-1-1 calls originating in a given area. A PSAP may be designed as Primary or Secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first; Secondary PSAPs receive calls on a transfer basis only, and generally serve as a centralized answering location for a particular type of emergency call. PSAPs are staffed by employees of Service Agencies such as police, fire or emergency medical agencies or by employees of a common bureau serving a group of such entities.

“Publisher” means Ameritech's White Pages Directories publisher.

“Rate Center” means the specific geographic area that has been designated by a given LEC as being associated with a particular NPA-NXX code that has been assigned to the LEC for its provision of Telephone Exchange Service. The Rate Center is the finite geographic point identified by a specific V&H coordinate, which is used by that LEC to measure, for billing purposes, distance sensitive transmission services associated with the specific Rate Center.”

“Rating Point” means the V&H coordinates associated with a particular telephone number for rating purposes.

“Query” means a message that represents a request to a Database for information.

“Query Rate” means a per-query usage rate that applies to each Query received at an SBC-AMERITECH Database.

“Query Transport Rate” means a per-query usage rate that applies to certain Queries transported from an SBC-AMERITECH STP to the SCP where LIDB resides and back.

“Receiving Party” is as defined in **Section 20.1.1(a)**.

“Referral Announcement” is as defined in Article XVII.

“Resale Listing(s)” means a list containing the names, the telephone numbers, addresses and zip codes of Customers of AT&T within the defined geographic area, except to the extent such Customers of AT&T have requested not to be listed in a directory.

“Resale Services” is as defined in **Section 10.1**.

“Resale Tariff” is as defined in **Section 10.11.2**.

“Response” means a message that, when appropriately interpreted, represents an answer to a Query.

“Routing Point” means a location which a LEC has designated on its own network as the homing (routing) point for inbound traffic to one or more of its NPA-NXX codes. The Routing Point is also used to calculate mileage measurements for the distance-sensitive transport element charges of Switched Exchange Access Services. Pursuant to Bellcore Practice BR 795-100-100 (the “RP Practice”), the Routing Point (referred to as the “Rating Point” in such RP Practice) may be an End Office Switch location, or a LEC Consortium Point of Interconnection. Pursuant to such RP Practice, each LEC Consortium Point of Interconnection shall be designated by a common language location identifier (“CLLI”) code with (x)KD in positions 9, 10, 11, where (x) may be any alphanumeric A-Z or 0-9. The Routing Point must be located within the LATA in which the corresponding NPA-NXX is located. However, Routing Points associated with each NPA-NXX need not be the same as the corresponding Rate Center, nor must there be a unique and separate Routing Point corresponding to each unique and separate Rate Center; provided only that the Routing Point associated with a given NPA-NXX must be located in the same LATA as the Rate Center associated with the NPA-NXX.

“Selective Routing” or “SR” means an E911 feature that routes an E911 call from a Control Office to the designated Primary PSAP based upon the identified number of the calling party.

“Service Agency” means the public agency, the State or any local government unit or special purpose district which has the authority to provide police, fire fighting, medical or other emergency services, which has requested the local telephone company to provide an E911 Telecommunications Service for the purpose of voice-reporting emergencies by the public.

“Service Control Point” or “SCP” is as defined in the Act.

“Service Line” means a telecommunications link from the Central Office terminating at the PSAP.

“Service Management System” or “SMS” means an off-line system used to access, create, modify, or update information in a Database.

“Signaling End Point” or “SEP” means a signaling point, other than an STP, which serves as a source or a repository for CCIS messages.

“Signal Transfer Point” or “STP” is as defined in the Act.

“Sleuth” means an off-line administration system that monitors suspected occurrences of ABS-related fraud, or other comparable fraud detection system.

“Special Billing Number” or “SBN” means a Line Record in LIDB that is based on an NXX-0/1XX numbering format. NXX-0/1XX numbering formats are similar to NPA-NXX formats except that the fourth digit of an SBN is either a zero (0) or a one (1).

“Sunsetted Services” is as defined in **Section 10.3.2**.

“Switched Access Detail Usage Data” means a category 1101XX record as defined in the EMI Telcordia Practice BR 010-200-010.

“Switched Access Summary Usage Data” means a category 1150XX record as defined in the EMI Telcordia Practice BR 010-200-010.

“Switched Exchange Access Service” means the offering of transmission or switching services to Telecommunications Carriers for the purpose of the origination or termination of Telephone Toll Service. Switched Exchange Access Services include: Feature Group A, Feature Group B, Feature Group D, 800/888 access, and 900 access and their successors or similar Switched Exchange Access Services.

“Synchronous Optical Network” or “SONET” means an optical interface standard that allows inter-networking of transmission products from multiple vendors. The base rate is 51.84 Mbps (OC-1/STS-1) and higher rates are direct multiples of the base rate, up to 13.22 Gpbs.

“Tape Load Facility” means data entry points at the LIDB administrative system and/or the SCPs where LIDB resides.

“Technical Reference Schedule” is the list of technical references set forth in **Schedule 2.3**.

“Technically Feasible Point” is as described in the Act.

“Telecommunications” is as defined in the Act.

“Telecommunications Act” means the Telecommunications Act of 1996 and any rules and regulations promulgated thereunder.

“Telecommunications Assistance Program” means any means-tested or subsidized Telecommunications Service offering, including Lifeline, that is offered only to a specific category of subscribers.

“Telecommunications Carrier” is as defined in the Act.

“Telecommunications Service” is as defined in the Act.

“Telephone Exchange Service” is as defined in the Act.

“Telephone Relay Service” means a service provided to speech and hearing-impaired callers that enables such callers to type a message into a telephone set equipped with a keypad and message screen and to have a live operator read the message to a recipient and to type message recipient's response to the speech or hearing-impaired caller.

“Telephone Toll Service” is as defined in the Act.

“Toll Billing Exception Service” or “TBE” means a service that allows End Users to restrict third number billing or collect calls to their lines.

“Translation Type” means a code in the Signaling Connection Control Part (“SCCP”) of the SS7 signaling message. Signal Transfer Points (“STPs”) use Translation Types to identify the routing table used to route a LIDB query. All LIDB queries that use the same Translation Type are routed to the same LIDB for a particular Line Record or, prior to number portability, for a particular NPA-NXX.

“Unauthorized Switching” is as defined in **Section 10.11.2(a)**.

“Validation Information” means an Account Owner’s records of all of its Calling Card Service and Toll Billing Exception Service.

“Virtual Collocation” is as defined in the Act.

“White Pages Directories” means directories or the portion of co-bound directories which include a list in alphabetical order by name of the telephone numbers and addresses of telecommunication company customers.

For Ameritech – “Wire Center”; For AT&T - “Switch Center” means the location of one or more local switching systems at which End User’s loops within a defined geographic area converge. Such local loops may be served by one (1) or more Central Office Switches within such premises.

**SCHEDULE 10.9.1
CREDIT ALLOWANCES
OHIO**

10.9.1 Credit Allowances.

1. In the event of an interruption to the service provided pursuant to **Section 10.9.1** by a Party (the "**Providing Party**") to the other Party (the "**Receiving Party**") which is not due to the negligence or willful act of Receiving Party or its Customer, upon notice and application by Receiving Party an allowance will be made for the time interruption continues.
2. The liability of Providing Party for any credit allowance arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission, or failures or defects in facilities furnished by the Providing Party, occurring in the course of furnishing service or other facilities and not caused by the negligence of Receiving Party or of Providing Party in failing to maintain proper standards of maintenance and operation and to exercise reasonable supervision shall in no event exceed an amount equivalent to the proportionate charge to Receiving Party for the period of service during which such mistake, omission, interruption, delay or error or defect in transmission or failure or defect in facilities occurs.

The services furnished by Providing Party, in addition to the limitation set forth preceding, also are subject to the following limitation: Providing Party shall not be liable for any credit allowance arising out of mistakes, omissions, delays, errors or defects in transmission or other injury, including injuries to persons or property from voltages or currents transmitted over the service of Providing Party: (a) caused by Receiving Party or Receiving Party Customer-provided equipment (except where a contributing cause is the malfunctioning of a Providing Party connecting arrangement, in which event the liability of the Providing Party shall not exceed an amount equal to a proportional amount of Providing Party billing for the period of service during which such mistake, omission, interruption, delay, error, defect in transmission or injury occurs), or (b) not prevented by Receiving Party or Receiving Party Customer-provided equipment but which would have been prevented had Providing Party-provided equipment been used.

3. When the lines of other telecommunication providers or facilities of other persons are used in establishing connections to points not reached by the Providing Party's lines, the Providing Party is not liable for any act or omission of the other provider or persons.

SCHEDULE 12.12
DELIVERY OF COLLOCATED SPACE

1.0 Delivery of Physical Collocation Space

1.1 Upon receiving the written notification of the availability of Collocation space from SBC-AMERITECH, AT&T shall send written verification that it still requires each Physical Collocation space requested on AT&T's application for which space is available. This written notification is AT&T's firm order for service for each Collocation space requested. AT&T's written notification shall be accompanied by AT&T's payment of fifty percent (50%) of all applicable Central Office Build Out ("COBO") fees (the "Initial COBO Payment"). COBO modifications and additions to space described in the proposal will not begin until the Initial COBO Payment has been paid. Delayed payment of the Initial COBO Payment may delay the actual service date.

1.2 So long as AT&T has a satisfactory credit rating with SBC-AMERITECH for the twelve (12) month period preceding the date of AT&T's request for Physical Collocation pursuant to Section 12.12, AT&T shall pay the COBO charges as follows:

Initial COBO Payment:	50% of COBO charges

Upon completion of space conditioning and prior to turnover:	50% of COBO charges

If AT&T's credit rating is not satisfactory within the aforementioned period, AT&T's shall pay the COBO charges in accordance with the provisions of SBC-AMERITECH's applicable tariff.

1.3 AT&T will begin paying for the space on Occupancy Date by AT&T if the space is ready (pursuant to the original collocation application) prior to the Committed Delivery Date or on the actual delivery date if such date is after the committed due date.

2.0 Additional Rules and Regulations Applicable to Physical Collocation Space.
Physical Collocation will be provided subject to the following provisions:

2.1 AT&T will be responsible for any extraordinary costs incurred by SBC-AMERITECH to prepare the Collocation space for the installation of AT&T's equipment and for extraordinary costs to maintain the Collocation space for AT&T's equipment on a going-forward basis. Extraordinary costs may include costs for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, conversion of non-Collocation space, compliance with federal and state requirements or other modifications required by local ordinances. SBC-AMERITECH will charge for these costs on a time-sensitive or time-and-materials basis. An estimate of such costs plus contribution will be provided to AT&T prior to commencing such work. Extraordinary costs will only be billed to AT&T if such costs have been

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authorized by AT&T. SBC-AMERITECH must advise AT&T if extraordinary costs will be incurred within twenty (20) Business Days of AT&T's request for space. Otherwise, AT&T will not be responsible for such costs. Extraordinary costs do not include costs associated with maintenance and upkeep of the building.

SBC-AMERITECH shall allocate space preparation, security measures and other collocation charges on a pro-rated basis in order to insure that when AT&T is the first entrant into SBC-AMERITECH's premises, AT&T does not bear the entire cost of site preparation. SBC-AMERITECH shall partition the costs by comparing, for example the amount of conditioned space actually occupied by AT&T with the overall space conditioning expenses

SBC-AMERITECH shall provide to AT&T a written proposal which covers AT&T's requirements for the space and details the associated requirements and the applicable charges required to meet AT&T's specific request and the expected service date. AT&T shall acknowledge acceptance of the charges in the written proposal by signing it and returning a copy to SBC-AMERITECH. Upon receipt of AT&T's signed proposal, SBC-AMERITECH will begin the work and charge AT&T for the actual time and material needed to complete the modifications plus a reasonable contribution. In no case will actual charges exceed those estimated by more than ten percent (10%).

2.2 AT&T will be responsible for notifying SBC-AMERITECH of any significant outages of AT&T's equipment which could impact any of the services offered by SBC-AMERITECH, and provide estimated clearing time for restoration.

2.3 AT&T is responsible for coordinating with SBC-AMERITECH to ensure that services are installed in accordance with the service request.

2.4 AT&T is responsible for testing, if necessary, with SBC-AMERITECH to identify and clear a trouble when the trouble has been sectionalized (isolated) to an AT&T-provided service.

2.5 Before beginning delivery, installation, replacement or removal work for equipment and/or facilities located within the Collocation space, AT&T shall obtain SBC-AMERITECH's written approval of AT&T's proposed scheduling of the work in order to coordinate use of temporary staging areas and other building facilities. SBC-AMERITECH may request additional information before granting approval and may require scheduling changes. AT&T must submit written plans for equipment to be installed in the Collocation space prior to commencing installation. If the request is not specifically rejected by SBC-AMERITECH within 20 days of receipt, the request is considered approved.

2.6 SBC-AMERITECH has the right to inspect AT&T's completed installation of equipment and facilities and to make subsequent and periodic inspections of the customer's equipment and facilities occupying a Collocation space and associated entrance conduit and riser space. If AT&T is found to be in non-compliance with the terms and conditions of this Schedule, AT&T must modify its installation to achieve compliance. SBC-AMERITECH will notify AT&T in

advance of such inspections, and AT&T shall have the right to be present at the time of the inspection.

3.0 Delivery of Virtual Collocation Space

3.1 SBC-AMERITECH shall allow periodic inspections of Virtual Collocation space where AT&T equipment is located as of the Effective Date of this Agreement.

3.2 SBC-AMERITECH shall ensure that all applicable alarm systems (e.g., power) that support AT&T equipment are operational and the supporting databases are accurate so that equipment that is in alarm will be properly identified from AT&T's remote location.

3.3 SBC-AMERITECH and AT&T shall jointly develop procedures for escalation and expedited requests for maintenance of intraoffice facilities.

3.4 SBC-AMERITECH and AT&T shall jointly develop procedures for notifying AT&T when environmental and power alarms are activated.

3.5 For virtual collocation arrangements already established by AT&T as of the Effective Date of this Agreement, SBC-AMERITECH shall allow AT&T to perform circuit pack changes, install updates, including software updates, and perform other routine maintenance, while under escort by an SBC-AMERITECH employee. SBC-AMERITECH will provide an escort within five (5) hours of AT&T's request. AT&T agrees to pay for such escort service based upon SBC-AMERITECH's standard hourly rates for the type of personnel selected by SBC-AMERITECH to act as the escort.

3.6 Intentionally left blank.

3.7 For new virtual collocation arrangements established hereunder, SBC-AMERITECH shall install, maintain, remove and/or repair all Virtual Collocation Equipment. SBC-AMERITECH may, at SBC-AMERITECH's sole discretion, allow AT&T to perform certain types of maintenance on new virtual collocation equipment under escort as specified in **Section 3.5**, above.

3.8 SBC-AMERITECH shall, use the latest documentation provided by AT&T in either hard copy or electronic form when performing work on AT&T equipment.

3.9 SBC-AMERITECH shall, follow applicable AT&T guidelines when working on AT&T equipment.

SCHEDULE 12.15
COMMON REQUIREMENTS

12.15.1 The following requirements are applicable to both Physical and Virtual Collocation:

1. SBC-AMERITECH shall provide to AT&T any intraoffice facilities that AT&T requests and that SBC-AMERITECH provides by tariff or contract to any carrier.

2. SBC-AMERITECH shall allow for a Fiber Meet arrangement between the Parties' networks and facilities at the DS0, DS1, DS3, STS-1, OC3, OC12 and OC48 rates pursuant to mutual agreement of the Parties.

3. AT&T may provide basic telephone service with a connection jack for the Collocated space.

4. SBC-AMERITECH shall provide adequate lighting, ventilation, power, heat, air conditioning, and other environmental conditions for AT&T's space and equipment. These environmental conditions shall comply with Telecordia Network Equipment-Building System ("NEBS") standards TR-EOP-000063 or other standards upon which the Parties may mutually agree.

5. SBC-AMERITECH shall provide access, where available to eyewash stations, shower stations, bathrooms, and drinking water within the Collocated facility, on a twenty-four (24) hours per day, seven (7) days per week basis for AT&T personnel and its designated agents.

6. SBC-AMERITECH shall provide all ingress and egress, of fiber cabling to AT&T Collocated spaces in compliance with AT&T's request for cable diversity. The specific level of diversity required for each site or Network Element will be provided in the request for Collocation. AT&T will pay any additional costs incurred by SBC-AMERITECH to meet any special diversity requirements of AT&T which are beyond those normally provided by SBC-AMERITECH.

7. SBC-AMERITECH shall provide AT&T with written notice five (5) Business Days prior to those instances where SBC-AMERITECH or its subcontractors may be performing non-emergency work that may affect the Collocated space occupied by AT&T or the AC and DC power plants that support AT&T equipment. SBC-AMERITECH will inform AT&T by telephone of any emergency-related activity that SBC-AMERITECH or its subcontractors may be performing that may affect the Collocated space occupied by AT&T or the AC and DC power plants that support AT&T equipment. Notification of any emergency-related activity shall be made as soon as practicable after SBC-AMERITECH learns that such emergency activity is necessary but in no event longer than thirty (30) minutes after such time. By the end of Contract Month 3 the Implementation Team will agree upon the process for the notification required by this Section (the "Emergency Notification Process"). To the extent that the Emergency Notification Process requires

SBC-AMERITECH to incur additional costs, AT&T shall reimburse SBC-AMERITECH for such costs.

8. AT&T shall not be required by SBC-AMERITECH to relocate its equipment during the Initial Term or any Renewal Term. If AT&T, at SBC-AMERITECH's request, agrees to relocate its equipment, then SBC-AMERITECH shall reimburse AT&T for any and all costs reasonably associated with such relocation.

9. Should SBC-AMERITECH sell or lease a Central Office or any portion thereof to a third person during the Initial Term or any Renewal Term, SBC-AMERITECH shall require such third person to comply fully with the applicable terms and conditions of this Agreement as they relate to such third person.

10. Power as referenced in this **Schedule 12.15** refers to any electrical power source supplied by SBC-AMERITECH for AT&T equipment. It includes all superstructure, infrastructure, and overhead facilities, including cable, cable racks and bus bars. SBC-AMERITECH will supply power to support AT&T equipment at equipment specific DC and AC voltages as mutually agreed upon by the Parties. SBC-AMERITECH shall supply power to AT&T at parity with that provided by SBC-AMERITECH to itself or to any third person. If SBC-AMERITECH performance, availability, or restoration falls below industry standards, SBC-AMERITECH shall bring itself into compliance with such industry standards as soon as technologically feasible.

11. Subject to space limitations and AT&T's compliance with the applicable request process and payment requirements of this Agreement, SBC-AMERITECH shall provide power to meet AT&T's reasonable needs for placement of equipment, Interconnection, or provision of service.

12. Both AT&T's power equipment and SBC-AMERITECH power equipment supporting AT&T's equipment shall comply with all applicable state, and industry standards (e.g., Telecordia, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices, and physical equipment layout.

13. SBC-AMERITECH will provide AT&T with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the Collocated facility that poses a reasonable risk of causing e an outage or any type of power disruption to AT&T equipment located in the SBC-AMERITECH facility. SBC-AMERITECH shall provide AT&T prompt notification (within one (1) hour) by telephone of any emergency power activity.

14. Power plant alarms shall adhere to Telecordia Network Equipment-Building System (“NEBS”) standards TR-EOP-000063 or such other standards mutually agreed to by AT&T and SBC-AMERITECH.

15. Cabling shall adhere to Telecordia Network Equipment-Building System (“NEBS”) standards TR-EOP-000063 or such other standards mutually agreed to by AT&T and SBC-AMERITECH.

16. SBC-AMERITECH shall provide Lock Out Tag Out and other electrical safety procedures and devices in accordance with OSHA or industry guidelines.

17. SBC-AMERITECH shall within ten (10) Business Days after receipt of the Initial COBO Payment for Physical Collocation, and prior to or concurrent with the initial walkthrough for Virtual Collocation, provide AT&T with a copy of any existing drawings showing AT&T's proposed Collocation space and any related SBC-AMERITECH facilities, and provide information relating to measurements for necessary AT&T cabling which are not obtainable from the drawings. Any copies of drawings shall be redacted so as not to provide proprietary information of other carriers. So long as SBC-AMERITECH charges other Telecommunications providers for the provision of the foregoing drawings and information, AT&T shall reimburse SBC-AMERITECH for the costs, if any, incurred by SBC-AMERITECH to provide AT&T with such drawings and information.

SCHEDULE 12.15.2 REDUCED INTERVALS

12.15.2.1 The following requirements are applicable to AT&T's request for augments to existing Collocation space.

1. SBC-AMERITECH will provide reduced intervals for preparation of AT&T's existing Physical Collocation space to accommodate the following interconnection augments. AT&T must submit to SBC-AMERITECH's Collocation Service Center ("CSC") a completed application for a subsequent job. For the reduced build-out interval to apply this application must include an up-front payment of the non-recurring application fee and fifty percent (50%) of all applicable non-recurring charges. In addition, the application must include an accurate front equipment view (a.k.a. rack elevation drawing) specifying bay(s) for AT&T's point of termination. Applications received with the up-front payment and meeting the criteria below will not require a quote.

2. Augments consisting of interconnection cabling arrangements, AC and DC power, lighting, and interconnection conduit: 15 calendar days.

- 28 DS1's (cabling only; panels, relay racks and overhead racking exist)
- 3 DS3's (cabling only; panels, relay racks and overhead racking exist)
- 100 Copper (shielded or nonshielded) cable pairs (blocks and cabling only; panels, relay racks and overhead racking exist)
- Duplex AC convenience outlets and/or
- Cage to cage interconnection conduit within the same collocation area
- Cable pull within same collocation area
- DC Power requirements where only a fuse change is required.

3. The above fifteen (15) calendar day interval will apply only when AT&T provides a complete application. The job must be an augment to an existing collocater cage or area and limited up to and not more than the above quantities.

4. Augments consisting of additional interconnect panels/blocks, cabling, DC Power arrangements (racks and existing): thirty (30) calendar days.

- 84 DS1's (one interconnect panel) and/or
- 48 DS3's (interconnect panel) and/or
- 200 Copper (shielded or non-shielded) cable pairs (2 blocks) up to 400 feet
- Ground cable changes within the DC Power arrangement
- Arrange/install fiber cable through innerduct up to 400 feet
- Arrange/install timing leads up to 400 feet
- Arrange and install fiber interconnections up to 12 fiber pairs up to 400 feet

5. The above thirty (30) calendar days interval will apply only when AT&T provides a complete application. The job must be an augment to an existing collocator cage/area and consisting only of ground cable changes, timing changes, cable pulls through innerduct or Copper (shielded or non-shielded) Cable, DS1, DS3 and/or fiber interconnection arrangements limited up to and not more than the above quantities.

6. Augments consisting of additional interconnect panels/blocks, cabling, power cables, (racks are existing): sixty (60) calendar days.

- 168 DS1's (one interconnect panel) and/or
- 48 DS3's (interconnection panel) and/or
- 400 Copper (shielded or nonshielded) cable pairs (2 blocks) up to 400 feet
- Power cables added to accommodate greater DC amperage requests within existing power panels.
- SBC-Ameritech will perform a cage expansion of 300 square feet or less immediately adjacent to a collocator's existing cage within the collocation area as long as the collocation area does not have to be reconfigured and does not involve HVAC work.
- Arrange/install bay lighting front and back up to three (3) bays.
- Arrange and install fiber interconnection up to 12 fiber pairs up to 400 feet

7. The above sixty (60) calendar days interval will apply only when AT&T provides a complete application. The job must be an augment to an existing collocator cage or area and consisting only of cage expansions as detailed immediately above, power cable additions, bay lighting or copper (shielded or nonshielded) cable, DS1, DS3 and/or fiber interconnection arrangements limited up to and not more than the above quantities.

8. Other augments such as power requests that exceed current capacity ratings, additional bay spaces, SBC-AMERITECH bays, SBC-AMERITECH cable racks and/or cage expansions within active central office space different than described above will require AT&T to submit an inquiry for quote. The price quote will contain the charges and the construction interval for that application. The construction interval for these other augments will not exceed ninety (90) days. SBC-AMERITECH will work construction intervals for other augments not specifically provided for above.

9. The Parties may negotiate intervals for additional standard augments that they may incorporate into this Agreement via amendment. In the event the Parties are unable to agree on a standard interval, either Party may seek dispute resolution under **Article XXVIII**.

SCHEDULE 12.16

ADDITIONAL REQUIREMENTS APPLICABLE TO PHYSICAL COLLOCATION

12.16.1 The following additional requirements shall be applicable to Physical Collocation only:

1. Subject to space limitations and AT&T's compliance with the applicable request process and payment requirements for the space, SBC-AMERITECH shall provide space, as requested by AT&T, to meet AT&T's needs for placement of equipment necessary for Interconnection and access to Network Elements.

2. SBC-AMERITECH shall allow requests for contiguous space in increments of 50 ft² for caged or the square footage of one (1) bay or one (1) cabinet for cageless if the space is not subject to outstanding requests by other Telecommunications Carriers.

3. Other than reasonable security restrictions, SBC-AMERITECH shall place no restriction on access to the AT&T Collocated space by AT&T's employees and designated agents. Such space shall be available to AT&T designated agents twenty-four (24) hours per day each day of the week. In no case should any reasonable security restrictions be more restrictive than those SBC-AMERITECH places on its own personnel or independent contractors.

4. For each building in which Collocated space is provided and upon request by AT&T for that building, SBC-AMERITECH will, at its option, either certify that the building complies with all applicable environmental, health and safety regulations or complete an Environmental, Health & Safety Questionnaire provided by AT&T. AT&T may provide this questionnaire with its request for Collocation and SBC-AMERITECH shall return it or the applicable certification to AT&T within ten (10) Business Days after SBC-AMERITECH's receipt thereof.

5. SBC-AMERITECH shall permit AT&T to install, on equipment node enclosures, an intrusion alarm that can be remotely monitored by AT&T's work center; provided, however, that no such AT&T-installed equipment shall interfere with the existing use of the Central Office.

6. SBC-AMERITECH shall construct the Collocated space in compliance with AT&T's request for Collocation for cable holes, ground bars, doors, and convenience outlets as such are requested by AT&T at prices to be determined.

7. AT&T shall not require advance approval from SBC-AMERITECH to make improvements or alterations to the Collocated equipment configuration that are not substantial and do not require additional power.

8. Central Office power supplied by SBC-AMERITECH into the AT&T equipment area shall be supplied in the form of fused power feeds from SBC-AMERITECH's main power distribution board to AT&T's BDFB located in the designated AT&T equipment area. The power

feeders (cables) shall efficiently and economically support the requested quantity and capacity of AT&T equipment. The termination location shall be as mutually agreed upon by the Parties.

9. SBC-AMERITECH power equipment supporting AT&T's equipment shall:
 - (a) Provide appropriate Central Office ground, connected to a ground electrode located within the AT&T Collocated space, at a level above the top of AT&T's equipment plus or minus two (2) feet to the left or right of AT&T's final request; and
 - (b) Provide feeder capacity and quantity to support the ultimate equipment layout for AT&T equipment upon completion of the equipment node construction in accordance with AT&T's request for Collocation.

10. SBC-AMERITECH shall within ten (10) Business Days after the initial walkthrough provide AT&T with: (i) documentation submitted to and received from contractors for any work being done on behalf of AT&T that will be billed as extraordinary expenses, and (ii) a parallel installation sequence.

11. SBC-AMERITECH shall secure external access to the Physical Collocation space in its Premises in the same or equivalent manner that SBC-AMERITECH secures external access to spaces that house SBC-AMERITECH's equipment.

12. SBC-AMERITECH shall within thirty (30) days of the Effective Date provide to AT&T: (i) work restriction guidelines related to any restrictions on the manner in which an AT&T contractor can perform work on SBC-AMERITECH's Premises, and (ii) a list of SBC-AMERITECH technical guidelines applicable to the collocation of equipment in SBC-AMERITECH's Premises. AT&T acknowledges that it is responsible to order such technical guidelines at its cost and expense. SBC-AMERITECH will notify AT&T in a timely manner of any changes to such work restriction and technical guidelines. Any SBC-AMERITECH work restriction or technical guideline that exceeds or differs from industry standards shall be subject to AT&T review and acceptance. In no way will any work restriction be more restrictive than those SBC-AMERITECH places on its own employees and contractors. In addition, technical guideline may not be more restrictive than those applied to SBC-AMERITECH's own equipment in SBC-AMERITECH's premises.

SCHEDULE 12.9.1
PHYSICAL COLLOCATION SPACE RESERVATION

12.9.1.1 Space for Physical Collocation may be reserved on the following basis:

1. AT&T may reserve additional space in an SBC-AMERITECH Central Office in which it has (or is ordering) for Physical Collocation for permitted telecommunications-related equipment.
2. A reservation may be maintained only by the payment of a non-recurring charge to defray the administrative costs of the reservation system ("Reservation Charge").
3. The reservation can be made for an amount of space no greater than the amount of active Physical Collocation space being utilized (or ordered) for Interconnection with and/or access to the Network Elements, of SBC-AMERITECH by AT&T in the particular Central Office.
4. The reservation takes a priority based on the time at which it is made.
5. In the case of an order for Physical Collocation in an office in which all the unoccupied space is covered by reservations, all reservations will be prioritized. The holder(s) of the lowest priority reservation(s) which, when considering all higher priority reservations, still represent(s) available space sufficient to fill the order for Physical Collocation ("Option Party") will be given the option of "enforcing" or relinquishing its (their) reservation(s).

In this case, an Option Party may enforce its reservation by payment of the recurring Physical Collocation floor space charge otherwise applicable to the reservation space (in lieu of the non-recurring Reservation Charge). The reservation will be maintained until the Physical Collocation arrangement in that office is terminated or the reservation is terminated, whichever comes first. A new reservation may be activated by payment of the Reservation Charge, but it will take a new priority based on the time of reactivation. If an Option Party decides to enforce its reservation in this manner, the holder(s) of the reservation(s) with the next higher priority will be given the option of enforcing or relinquishing its (their) reservation(s).

If an Option Party declines to enforce its reservation as indicated above, the reservation is relinquished. A new reservation may be activated by payment of the Reservation Charge, but it will take a new priority based on the time of reactivation.

6. The holder of a valid reservation may place an order for Physical Collocation for the reserved space at any time. If there is sufficient unoccupied space to accommodate the order after subtracting space covered by reservations of higher priority, the order will be processed. If there is insufficient space to accommodate the order after subtracting space covered by reservations of higher priority and which have been enforced, the holder may maintain its reservation as set forth in Paragraph 5 above.

7. In a Central Office, SBC-AMERITECH may reserve space on the following conditions:
- The amount of space must be the least amount of space reasonably necessary for the provision of a communications-related service - including Interconnection and the provision of unbundled Network Elements. Except for space reserved for switch (including Tandem Switches and STPs) conversion and growth and for augmentation and conversion of mechanical and electrical support systems and building infrastructure, the reserved space must reasonably be anticipated to be used in three (3) years.
 - The total amount of space reserved cannot exceed the amount of space SBC-AMERITECH is currently using in the Central Office.
 - SBC-AMERITECH will impute an amount equal to the reservation charge to the appropriate operations for which the space is reserved.

8. SBC-AMERITECH shall enforce its reservation in the same manner in which AT&T and other collocating Telecommunications Carriers shall be required to enforce its reservations. In that case, SBC-AMERITECH will impute the floor space charge to the operations for which the space is reserved.

SCHEDULE 16.10
3D AND CONDO AGREEMENTS

16.10.1 111 N. Fourth Street, Columbus, OH

Easement and Building Operating Agreement and associated Operating Agreement and Services Agreement, all dated 12-31-83 and all amendments thereto.

16.10.2. 121 Huron St. and 130 Erie St., Toledo, OH

Easement and Building Operating Agreement and associated Operating Agreement and Services Agreement, all dated 12-31-83 and all amendments thereto.

SCHEDULE 2.2

BONA FIDE REQUEST

2.2.1 Bona Fide Request.

1. Unless another procedure or process is specifically prescribed elsewhere in this Agreement or by order of the Commission, this schedule shall govern the submission of requests by AT&T to SBC-AMERITECH, for access to individual Unbundled Network Elements and existing Combinations, or customized services that are not otherwise addressed in this Agreement at the time of such request.

This Bona Fide Request (“**BFR**”) process applies to each Bona Fide Request submitted to SBC-AMERITECH.

2. SBC-AMERITECH shall promptly consider and analyze the submission of a Bona Fide Request from AT&T for access to an unbundled Network Element (in a manner that allows AT&T to combine them in order to provide service to its end users) and access to existing UNE Combinations (as defined in Article IX) not otherwise provided hereunder at the time of such request; this may be referred to as a “BFR Item”. Ameritech is under no obligation to provide UNEs superior or different in quality to those that it provides to itself. Individual Unbundled Network Elements and existing UNE Combinations requested via BFR shall be of like quality to what SBC-AMERITECH provides to itself.
3. A Bona Fide Request must be submitted with a BFR Application Form as that form is set forth on TCNet.ameritech.com. Included with the Application AT&T shall provide a technical description of each BFR Item, drawings when applicable, the location(s) where needed, the date required, and the projected quantity to be ordered with a non-binding three (3) year forecast.
4. AT&T may cancel a Bona Fide Request at any time by written notice to SBC-AMERITECH, but will pay SBC-AMERITECH, as specified below, for reasonable costs incurred by SBC in its preparation of the Preliminary Analysis or BFR Quote, up to the date of SBC-AMERITECH’s receipt of the cancellation.
 - 4.1 AT&T is responsible for the reasonable costs incurred by SBC-AMERITECH to prepare the Preliminary Analysis of AT&T’s BFR. When submitting a BFR Application Form, AT&T has two options to compensate SBC-AMERITECH for its costs incurred to complete the Preliminary Analysis of the BFR:
 - 4.1.1 Include with its BFR Application Form a Deposit, which Deposit will be in the amount of two thousand dollars (\$2,000), unless a different BFR deposit amount applicable to this Agreement has been established by the Commission, to cover SBC-AMERITECH’s

preliminary evaluation costs, in which case SBC-AMERITECH may not charge AT&T in excess of the Deposit to complete the Preliminary Analysis; or

- 4.1.2. Not make the Deposit in which case AT&T shall be responsible for all reasonable costs incurred by, SBC-AMERITECH, to complete the Preliminary Analysis (regardless of whether such costs are greater or less than the Deposit amount).
- 4.2. If AT&T submits a Deposit with its BFR, and SBC-AMERITECH is not able to process the BFR or determines that the BFR does not qualify for BFR treatment, then SBC-AMERITECH, will return the Deposit to AT&T. Similarly, if the costs incurred to complete the Preliminary Analysis are less than the Deposit amount, the balance of the Deposit will, at the option of AT&T, either be refunded or credited toward additional developmental costs authorized by AT&T. If AT&T cancels the BFR prior to completion of the Preliminary Analysis and a Deposit has been made by AT&T, and the reasonable costs are less than the Deposit amount, the remaining balance of the Deposit will be returned to AT&T.
5. SBC-AMERITECH will promptly consider and analyze each BFR it receives. Within ten (10) Business Days of its receipt, SBC-AMERITECH shall acknowledge in writing or by facsimile receipt of the Bona Fide Request and in such acknowledgement advise AT&T of the need for any further information needed to process the Request. If deemed necessary by either of the Parties, a meeting will be convened within five (5) Business Days, or as otherwise mutually agreed, of AT&T's receipt of the BFR acknowledgement at which the Parties will come to agreement on all additional information needed to process the BFR. AT&T will provide an updated BFR application to include the additional information. AT&T acknowledges that the time intervals set forth in this Schedule begin once SBC-AMERITECH has received a complete and accurate BFR Application Form and, if applicable, the Deposit amount.
6. Within thirty (30) calendar days of its receipt of a complete and accurate Bona Fide Request, SBC-AMERITECH shall provide to AT&T a Preliminary Analysis of the BFR Item (the "**Preliminary Analysis**"). The Preliminary Analysis shall respond in one of the following ways:
 - 6.1. indicate that SBC-AMERITECH will provide the BFR Item; or
 - 6.2. provide a detailed explanation that access to such BFR Item is not technically feasible and/or that the request does not qualify as one that is required to be provided under the Act; or that the BFR is not the correct process for the request.

7. If the Preliminary Analysis indicates that SBC-AMERITECH, will provide the BFR Item, AT&T may, at its discretion, provide written authorization for SBC-AMERITECH to prepare a **“BFR Quote”**. The BFR Quote shall, as applicable, include: (i) the first date of availability, (ii) installation intervals, (iii) applicable rates (recurring, nonrecurring and other), (iv) BFR development and processing costs, (v) terms and conditions by which the Request shall be made available, and (vi) any other information SBC-AMERITECH deems relevant to AT&T’s request for the BFR Item. AT&T’s written authorization to develop the BFR Quote must be received by SBC-AMERITECH within thirty (30) calendar days of AT&T’s receipt of the Preliminary Analysis. If no authorization to proceed is received within such thirty (30) calendar day period, the BFR will be deemed canceled, subject to AT&T’s obligation to pay SBC-AMERITECH’s, reasonable costs incurred for the Preliminary Analysis as set forth in **Section 4**, above. Any request by AT&T for SBC-AMERITECH to proceed with the preparation of the BFR Quote received after the thirty (30) calendar day window will require AT&T to submit a new BFR.
8. As soon as feasible, but not more than thirty (30) (calendar) days for a standard request and sixty (60) (calendar) days for a non-standard request after its receipt of authorization to prepare the BFR Quote, SBC-AMERITECH shall provide to AT&T a BFR Quote.
9. Within thirty (30) days of its receipt of the Bona Fide Request Quote, AT&T must either confirm its order for the BFR Item pursuant to the Bona Fide Request Quote or cancel the Bona Fide Request and reimburse SBC-AMERITECH for its reasonable costs incurred in the preparation of the BFR Quote. If AT&T believes SBC-AMERITECH’s, BFR Quote is inconsistent with the requirements of the Act, it may exercise its rights under **Section 28.3** of the Agreement. If, SBC-AMERITECH does not receive notice of confirmation or cancellation of the BFR within such thirty (30) calendar day period, the BFR shall be deemed canceled and AT&T will reimburse SBC-AMERITECH for its reasonable costs incurred in preparing the BFR Quote.
10. Unless AT&T agrees otherwise, all prices and costs quoted or invoiced herein shall be consistent with the pricing principles of the Act, the FCC and/or the Commission.
11. If a Party to a Bona Fide Request believes that the other Party is not requesting, negotiating, or processing the Bona Fide Request in good faith, or disputes a determination, or price or cost quote, or is failing to act in accordance with the Act, such Party may exercise its rights under **Section 28.3** of this Agreement or may otherwise seek mediation by the Commission, including the use of any expedited procedures, pursuant to **Section 252** of the Act, after giving the other Party written notice at least five (5) calendar days in advance of invoking **Section 28.3**.

SCHEDULE 2.3

TECHNICAL REFERENCE SCHEDULE

This **Schedule 2.3** consists of a list of Technical References included by the Parties in their predecessor interconnection agreement for Ohio. The Parties acknowledge and agree that many of these Technical References may be outdated, and that additional and/or modified Technical References may need to be incorporated into this **Schedule 2.3**. Further, some Technical References may need to be deleted from this **Schedule 2.3**. Pursuant to **Article II, Section 2.3**, the Parties agree to cooperate on the process of updating this list of necessary Technical References to include additional or modified Technical References that describe the practices, procedures and specifications for certain services (and the applicable interfaces relating thereto) to assist the Parties in meeting their respective responsibilities hereunder. Once updated, the Parties' list of Technical References shall be included in this **Schedule 2.3** via an amendment to the Agreement. Any disputes over the inclusion of a Technical Reference in **Schedule 2.3** shall be handled by the Parties using the dispute resolution process of **Section 28.3**.

Unbundled Network Elements

Unbundled Loop Transmission

Bellcore TA-NWT-000393
ANSI T1.413-1995 Specifications
AM TR-TMO-000122
AM TR-TMO-000123
Bellcore TR-NWT-000393
ANSI T1.102-1993, American National Standard for Telecommunication - Digital
Hierarchy - Electrical Interfaces
Bellcore Technical Requirement TR-NWT-000499, Issue 5, December 1993, section
7
ANSI T1.413-1995
ANSI T1E1 Committee Technical report Number 28

Local Switching

Bellcore FR-NWT-000064 (Local Switching Systems General Requirements)
Bellcore GR-1432-CORE (TCAP)
Bellcore GR-905-CORE (ISUP)
Bellcore GR-1429-CORE (Call Management)
Bellcore GR-1357-CORE (Switched Fractional DS1)
Bellcore GR-1428-CORE (Toll Free Service)
Bellcore GR-1597-CORE (Calling Name)
Bellcore GR-954-CORE (Line Information Database)
Bellcore GR-2863-CORE (Advanced Intelligent Network)
GR-1298-CORE, AIN Switching System Generic Requirements

GR-1299-CORE, AIN Switch-Service Control Point (SCP)/Adjunct Interface
Generic Requirements
TR-NWT-001284, AIN 0.1 Switching System Generic Requirements
SR-NWT-002247, AIN Release 1 Update
ANSI standards Q.931, Q.932
Bellcore TR-NWT-08
Bellcore TR-NWT-303
TR-NWT-000393, January 1991, Generic Requirements for ISDN Basic Access
Digital Subscriber Lines
Bellcore TR-NWT-303

Dedicated and Shared Transport

AM TR-NIS-000111
AM RT-NIS 000133
ANSI T1.101-1994, American National Standard for Telecommunications -
Synchronization Interface Standard Performance and Availability
ANSI T1.102-1993, American National Standard for Telecommunications - Digital
Hierarchy - Electrical Interfaces
ANSI T1.105-1995, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Basic Description including
Multiplex Structure, Rates and Formats
ANSI T1.105.01-1995, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Automatic Protection Switching
ANSI T1.105.02-1995, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Payload Mappings
ANSI T1.105.03-1994, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Jitter at Network Interfaces
ANSI T1.105.03a-1995, American National Standard for Telecommunications -
Synchronous Optical Network (SONET): Jitter at Network Interfaces - DS1
Supplement
ANSI T1.105.04-1995, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Data Communication Channel
Protocols and Architectures
ANSI T1.105.05-1994, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Tandem Connection
ANSI T1.106-1988, American National Standard for Telecommunications - Digital
Hierarchy - Optical Interface Specifications (Single Mode)
ANSI T1.107-1988, American National Standard for Telecommunications - Digital
Hierarchy - Formats Specifications
ANSI T1.107a-1990, American National Standard for Telecommunications - Digital
Hierarchy - Supplement to Formats Specifications (DS3 Format
Applications)

ANSI T1.107b-1991, American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications

ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach)

ANSI T1.119-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications

ANSI T1.119.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Protection Switching Fragment

ANSI T1.119.02-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Performance Monitoring Fragment

ANSI T1.231-1993, American National Standard for Telecommunications - Digital Hierarchy - Layer 1 In-Service Digital Transmission performance monitoring

ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification

ANSI T1.404-1994, Network-to-Customer Installation - DS3 Metallic Interface Specification

Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements

Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance

Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria

Bellcore TR-NWT 000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.)

Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access

Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1, February 1991

Signaling Transfer Points (STPs)

ANSI T1.111.2

ANSI T1.111.3

ANSI T1.111.4

ANSI T1.112

ANSI T1.112.4

ANSI T1.118

ANSI T1.111.6

ANSI T1.112.5

GR-2863-CORE, CCS Network Interface Specification Supporting Advanced Intelligent Network (AIN)

GR-2902-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll-Free Service Using Advanced Intelligent Network (AIN)

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

ANSI T1.111-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP)

ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement

ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)

ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks

ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)

ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

Service Control Points (SCPs)/Call-Related Databases

SR-TSV-002275 (BOC Notes on the Ameritech Networks, SR-TSV-002275, Issue 2 (Bellcore, April 1994))

GR-246-CORE, Bell Communications Research Specification of Signaling System Number 7, ISSUE 1 (Bellcore, December 1995)
GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP). (Bellcore, March 1994)
GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line Information Database (LIDB) Service 6, Issue 1, Rev. 1 (Bellcore, October 1995)

GR-1149-CORE, OSSGR Section 10: System Interfaces, Issue 1 (Bellcore, October 1995) (Replaces TR-NWT-001149)
GR-1158-CORE, OSSGR Section 22.3: Line Information Database 6, Issue (Bellcore, October 1995)
GR-1428-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll Free Service (Bellcore, May 1995)
BOC Notes on Ameritech Networks, SR-TSV-002275, ISSUE 2 (Bellcore, April 1994)
GR-1280-CORE, AIN Service Control Point (SCP) Generic Requirements

Tandem Switching

Bellcore TR-TSY-000540, Issue 2R2, Tandem Supplement, 6/1/90
GR-905-CORE
GR-1429-CORE
GR-2863-CORE
GR-2902-CORE

Performance Standards

Bellcore FR-64, LATA Switching Systems Generic Requirements (LSSGR)
Bellcore TR-NWT-000499, Issue 5, Rev 1, April 1992, Transport Systems Generic Requirements (TSGR): Common Requirements
Bellcore TR-NWT-000418, Issue 2, December 1992, Generic Reliability Assurance Requirements For Fiber Optic Transport Systems
Bellcore TR-NWT-000057, Issue 2, January 1993, Functional Criteria for Digital Loop Carriers Systems
Bellcore TR-NWT-000507, Issue 5, December 1993, LSSGR - Transmission, Section 7
Bellcore TR-TSY-000511, Issue 2, July 1987, Service Standards, a Module (Section 11) of LATA Switching Systems Generic Requirements (LSSGR, FR-NWT-000064)
Bellcore TR-NWT-000393, January 1991, Generic Requirements for ISDN Basic Access Digital Subscriber Lines
Bellcore TR-NWT-000909, December 1991, Generic Requirements and Objectives for Fiber In The Loop Systems

Belcore TR-NWT-000505, Issue 3 , May 1991, LSSGR Section 5, Call Processing
Belcore LSSGR TR-TSY-000511
Belcore TR-NWT-001244, Clocks for the Synchronized Network: Common
Generic Criteria
ANSI T1.105-1995

Network Interface Device

Belcore Technical Advisory TA-TSY-000120, “Customer Premises or Network
Ground Wire”

Belcore Generic Requirement GR-49-CORE, “Generic Requirements for Outdoor
Telephone Network Interface Devices”
Belcore Technical Requirement TR-NWT-00239, “Indoor Telephone Network
Interfaces”
Belcore Technical Requirement TR-NWT-000937, “Generic Requirements for
Outdoor and Indoor Building Entrance”

Interconnection

Trunking Interconnection

GR-317-CORE, Switching System generic requirements for Call Control Using the
Integrated Services Digital Network User Part (ISDNUP), Bellcore,
February, 1994
GR-394-CORE, Switching System generic requirements for Interexchange Carrier
Interconnection Using the Integrated Services Digital Network User Part
(ISDNUP), Bellcore, February, 1994
FR-NWT-000064, LATA Switching Systems Generic Requirements (LSSGR),
Bellcore, 1994 Edition
ANSI T1.111
ANSI T1.112
ANSI T1.113
Bellcore GR-905-CORE, Common Channel Signaling Network Interface
Specification (CCSNIS) Supporting Network Interconnection, Message
Transfer Part (MTP), and Integrated Services Digital Network User Part
(ISDNUP)
Bellcore GR-1428-CORE, CCS Network Interface Specification (CCSNIS)
Supporting Toll-Free Service
Bellcore GR-1429-CORE, CCS Network Interface Specification (CCSNIS)
Supporting Call Management Services
Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS)
Supporting Signaling Connection Control Part (SCCP) and Transaction
Capabilities Application Part (TCAP)

ANSI T1.110-1992, American National Standard Telecommunications - Signaling System Number 7 (SS7) - General Information;
ANSI T1.111-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP)
ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement
ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)
ANSI T1.113-1995, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Integrated Services Digital Network (ISDN) User Part

ANSI T1.114-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP)
ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks
ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)
ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)
Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)
Bellcore GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line Information Database (LIDB) Service
Bellcore Special Report SR-TSV-002275, BOC Notes on the LEC Networks-Signaling
Ameritech Supplement AM-TR-OAT-000069, Common Channel Signaling Network Interface Specifications
Bellcore Standard FR-NWT-000476
ANSI Standard T1.206

Electrical/Optical Interfaces

Bellcore Technical Publication TR-INS-000342, High Capacity Digital Special Access Service, Transmission Parameter Limits and Interface Combinations;
Ameritech Technical Publication TR-NIS-000111, Ameritech 0C3, 0C12 and 0C48 Service Interface Specifications; and

Ameritech Technical Publication AM-TR-NIS-000133, Ameritech 0C3, 0C12 and 0C48 Dedicated Ring Service Interface Specifications.

Collocation

Bellcore Network Equipment Building Systems (NEBS) standards TR-EOP-000063
National Electrical Code (NEC) use latest issue
TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly
and Cable Distribution, Issue 2 (Bellcore, January 1989)
TR-EOP-000063, Network Equipment-Building System (NEBS) Generic
Equipment Requirements, Issue 3, March 1988
TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of
LSSGR, FR-NWT-000064), Issue 1 (Bellcore, December 1991)
TR-NWT-001275 Central Office Environment Installations/Removal Generic
Requirements, Issue 1, January 1993

Institute of Electrical and Electronics Engineers (IEEE) Standard 383, IEEE
Standard for Type Test of Class 1 E Electrical Cables, Field Splices, and
Connections for Nuclear Power Generating Stations
National Electrical Code (NEC) use latest issue
TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly
and Cable Distribution, Issue 2 (Bellcore, January 1989)
TR-EOP-000063, Network Equipment-Building System (NEBS) Generic
Equipment Requirements, Issue 3, March 1988
TR-EOP-000151, Generic Requirements for 24-, 48-, 130- and 140- Volt Central
Office Power Plant Rectifiers, Issue 1 (Bellcore, May 1985)
TR-EOP-000232, General Requirements for Lead-Acid Storage Batteries, Issue 1
(Bellcore, June 1985)
TR-NWT-000154, General Requirements for 24-, 48-, 130-, and 140- Volt Central
Office Power Plant Control and Distribution Equipment, Issue 2 (Bellcore,
January 1992)
TR-NWT-000295, Isolated Ground Planes: Definition and Application to Telephone
Central Offices, Issue 2 (Bellcore, July 1992)
TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of
LSSGR, FR-NWT-000064), Issue 1 (Bellcore, December 1991)
TR-NWT-001275, Central Office Environment Installations/Removal Generic
Requirements, Issue 1, January 1993
Underwriters' Laboratories Standard, UL 94

SCHEDULE 31.10
ADDITIONAL REQUIREMENTS APPLICABLE TO PHYSICAL COLLOCATION

31.10 Additional Requirements Applicable to Physical Collocation.

1. Subject to space limitations and SBC-AMERITECH's compliance with the applicable request process and payment requirements for the space, AT&T shall provide space, as requested by SBC-AMERITECH, to meet SBC-AMERITECH's needs for placement of equipment necessary for Interconnection.
2. AT&T shall provide to SBC-AMERITECH any intraoffice facilities that SBC-AMERITECH requests and that AT&T provides by tariff or contract to any carrier.
3. SBC-AMERITECH may provide basic telephone service with a connection jack for the Collocated space.
4. AT&T shall provide adequate lighting, ventilation, power, heat, air conditioning, and other environmental conditions for SBC-AMERITECH's space and equipment. These environmental conditions shall comply with Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063 or other standards upon which the Parties may mutually agree.
5. AT&T shall provide access, where available, to eyewash stations, shower stations, bathrooms, and drinking water within the Collocated facility on a twenty-four (24) hours per day, seven (7) days per week basis for SBC-AMERITECH personnel and its designated agents.
6. AT&T shall provide all ingress and egress of fiber cabling to SBC-AMERITECH Collocated spaces in compliance with SBC-AMERITECH's request for cable diversity. The specific level of diversity required for each site will be provided in the request for Collocation. SBC-AMERITECH will pay any additional costs incurred by AT&T to meet any special diversity requirements of SBC-AMERITECH which are beyond those normally provided by AT&T.
7. AT&T shall provide SBC-AMERITECH with written notice five (5) Business Days prior to those instances where AT&T or its subcontractors may be performing nonemergency work that may affect the Collocated space occupied by SBC-AMERITECH or the AC and DC power plants that support SBC-AMERITECH equipment. AT&T will inform SBC-AMERITECH by telephone of any emergency-related activity that AT&T or its subcontractors may be performing that may affect the Collocated space occupied by SBC-AMERITECH or the AC and DC power plants that support SBC-AMERITECH equipment. Notification of any emergency-related activity shall be made as soon as practicable after AT&T learns that such emergency activity is necessary and will be subject to the Emergency Notification Process agreed upon by the Implementation Team.

To the extent that the Emergency Notification Process requires AT&T to incur additional costs, SBC-AMERITECH shall reimburse AT&T for such costs.

8. SBC-AMERITECH shall not be required by AT&T to relocate its equipment during the Initial Term or any Renewal Term. If SBC-AMERITECH, at AT&T's request, agrees to relocate its equipment, then AT&T shall reimburse SBC-AMERITECH for any and all costs reasonably associated with such relocation.
9. Should AT&T sell or lease a Central Office or any portion thereof to a third person during the Initial Term or any Renewal Term, AT&T shall require such third person to comply fully with the applicable terms and conditions of this Agreement as they relate to such third person.
10. Power as referenced in this **Schedule 31.10** refers to any electrical power source supplied by AT&T for SBC-AMERITECH equipment. It includes all superstructure, infrastructure, and overhead facilities, including cable, cable racks and bus bars. AT&T will supply power to support SBC-AMERITECH equipment at equipment specific DC and AC voltages as mutually agreed upon by the Parties. AT&T shall supply power to SBC-AMERITECH at parity with that provided by AT&T to itself or to any third person. If AT&T's performance, availability, or restoration falls below industry standards, AT&T shall bring itself into compliance with such industry standards as soon as technologically feasible.
11. Subject to space limitations and SBC-AMERITECH's compliance with the applicable request process and payment requirements of this Agreement, AT&T shall provide power to meet SBC-AMERITECH's reasonable needs for placement of equipment, Interconnection, or provision of service.
12. Both SBC-AMERITECH's power equipment and AT&T power equipment supporting SBC-AMERITECH's equipment shall comply with all applicable state and industry standards (e.g., Bellcore, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices, and physical equipment layout.
13. AT&T will provide SBC-AMERITECH with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the collocated facility that poses a reasonable risk of cause an outage or any type of power disruption to SBC-AMERITECH equipment located in the AT&T facility. AT&T shall provide SBC-AMERITECH prompt notification by telephone of any emergency power activity.
14. Power plant alarms shall adhere to Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063.
15. Cabling shall adhere to Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063.

16. AT&T shall provide Lock Out Tag Out and other electrical safety procedures and devices in accordance with OSHA or industry guidelines.
17. Other than reasonable security restrictions, AT&T shall place no restriction on access to the SBC-AMERITECH Collocated space by SBC-AMERITECH's employees and designated agents. Such space shall be available to SBC-AMERITECH designated agents twenty-four (24) hours per day each day of the week. In no case should any reasonable security restrictions be more restrictive than those AT&T places on its own personnel or independent contractors.
18. For each building in which Collocated space is provided and upon request by SBC-AMERITECH for that building, AT&T will, at its option, either certify that the building complies with all applicable environmental, health and safety regulations or complete an Environmental, Health & Safety Questionnaire provided by SBC-AMERITECH. SBC-AMERITECH may provide this questionnaire with its request for Collocation and AT&T shall return it or the applicable certification to SBC-AMERITECH within ten (10) Business Days after AT&T's receipt thereof.
19. AT&T power equipment supporting SBC-AMERITECH's equipment shall:
 - (a) Provide appropriate Wire Center ground, connected to a ground electrode located within the SBC-AMERITECH collocated space, at a level above the top of SBC-AMERITECH's equipment plus or minus two (2) feet to the left or right of SBC-AMERITECH's final request; and
 - (b) Provide feeder capacity and quantity to support the ultimate equipment layout for SBC-AMERITECH equipment upon completion of the equipment node construction in accordance with SBC-AMERITECH's request for Collocation.
20. AT&T shall within thirty (30) days of the effective date of the First Amendment provide to SBC-AMERITECH: (i) work restriction guidelines related to any restrictions on the manner in which an SBC-AMERITECH contractor can perform work on AT&T's Premises, and (ii) a list of AT&T technical guidelines applicable to the collocation of equipment in AT&T's Premises. SBC-AMERITECH acknowledges that it is responsible to order such technical guidelines at its cost and expense. AT&T will notify SBC-AMERITECH in a timely manner of any changes to such work restriction and technical guidelines.

SCHEDULE 31.7
Additional Rules and Regulations

31.7 Additional Rules and Regulations.

1. SBC-AMERITECH will be responsible for notifying AT&T of any significant outages of SBC-AMERITECH's equipment which could impact any of the services offered by AT&T, and provide estimated clearing time for restoration.
2. SBC-AMERITECH is responsible for coordinating with AT&T to ensure that services are installed in accordance with the service request.
3. SBC-AMERITECH is responsible for testing, if necessary, with AT&T to identify and clear a trouble when the trouble has been sectionalized (isolated) to an SBC-AMERITECH-provided service.
4. Before beginning delivery, installation, replacement or removal work for equipment and/or facilities located within the Collocation space, SBC-AMERITECH shall obtain AT&T's written approval of SBC-AMERITECH's proposed scheduling of the work in order to coordinate use of temporary staging areas and other building facilities. AT&T may request additional information before granting approval and may require scheduling changes. SBC-AMERITECH must submit written plans for equipment to be installed in the Collocation space prior to commencing installation.
5. AT&T has the right to inspect SBC-AMERITECH's completed installation of equipment and facilities and to make subsequent and periodic inspections of the customer's equipment and facilities occupying a Collocation space and associated entrance conduit and riser space. If SBC-AMERITECH is found to be in non-compliance with the terms and conditions of this Schedule, SBC-AMERITECH must modify its installation to achieve compliance. AT&T will notify SBC-AMERITECH in advance of such inspections, and SBC-AMERITECH shall have the right to be present at the time of the inspection.

SCHEDULE 33.1
ADDITIONAL OPERATIONAL SUPPORT

1.0 Introduction

- 1.1 This Attachment sets forth terms and conditions under which the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) will provide access to Operations Support Systems (OSS) interfaces and the related functions for pre-ordering, ordering, provisioning, maintenance/repair, billing, of customer usage data, and account maintenance.
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company, Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.2.1 SBC-AMERITECH - As used herein, SBC-AMERITECH means the applicable above listed ILEC(s) doing business in Ohio.

2.0 Intentionally Left Blank

3.0 Additional Terms For Provisioning

- 3.1 Provisioning for Resale Services and UNEs in SBC-AMERITECH:
- 3.1.1 SBC-AMERITECH shall provide all provisioning services to AT&T during the same business hours SBC-AMERITECH provisions similar services for its end user customers but at a minimum Monday-Friday, 8:00 a.m. to 5:00 p.m., excluding Holidays and where an accessible letter has notified AT&T of a central office freeze. SBC-AMERITECH will provision non-coordinated standalone number portability-only cutovers on Saturdays, 8:00 a.m. to 5:00 p.m. and on Sundays from 8:00 a.m. to 5:00 p.m., except during hours on Sundays when the Regional Service Management System (RSMS) is unavailable due to update or maintenance activity. Provisioning of non-coordinated standalone number portability cutovers on Sundays is subject to AT&T obtaining industry agreement that all carriers will conduct their Local Service Management Systems (LSMS) update or maintenance activity on Sundays during the same maintenance window as the RSMS. Recurring charges for Sunday provisioning of non-coordinated standalone number portability cutovers will be determined via the Bona Fide Request process and AT&T agrees to reimburse SBC-AMERITECH for

reasonable costs incurred in developing the capability for Sunday provisioning of non-coordinated standalone LNP cutovers, as provided in the applicable Bona Fide Request process. Such charges shall be paid, and reimbursed when applicable, as provided in the Bona Fide Request process. If AT&T requests that SBC-AMERITECH perform provisioning services or complete service requests at times or on days other than as required in the preceding sentences, SBC-AMERITECH shall provide such services at the rates, if any, as provided in the Bona Fide Request process.

- 3.1.2 When an end user changes from one Party to the other Party and does not retain its original telephone number, the Party formerly providing service to the end user will provide a referral announcement on the abandoned telephone number. These arrangements will be provided for the same period of time and under the same terms and conditions as such Party provides such arrangements to its existing end users, but must be requested on the LSR. Custom messages, extensions in duration, or other special requests are subject to each Party's applicable tariffs.
- 3.1.3 At AT&T's request, SBC-AMERITECH will perform acceptance testing to the circuit demarc with AT&T (including trouble shooting to isolate any problems) to test UNE T1 and UNE T3 services purchased by AT&T in order to identify any performance problems at turn-up of the service. Other acceptance testing is provided as set forth in the Agreement.
- 3.1.4 Where SBC-AMERITECH provides installation on behalf of AT&T, SBC-AMERITECH shall advise AT&T's end user to notify AT&T if the AT&T end user requests a service change at the time of installation.

3.2 Provisioning of CHC and FDT Orders:

- 3.2.1 SBC-AMERITECH agrees that AT&T may use SBC-AMERITECH Frame Due Time (FDT) process or Coordinated Hot Cut (CHC) process for migration requests on unbundled 2-wire Loops with LNP.
- 3.2.2 AT&T shall order these services from SBC-AMERITECH by delivering to SBC-AMERITECH a valid Local Service Request (LSR), and SBC-AMERITECH shall provide AT&T with a Firm Order Confirmation (FOC) and other response notifications as provided for in this Attachment.
- 3.2.3 When submitting the LSR AT&T will specify a desired date and time (the "Desired Frame Due Time") for the coordinated hot cut. If SBC-AMERITECH cannot comply with the request, in its FOC, SBC-AMERITECH will designate a due date that SBC-AMERITECH commits to meet.

- 3.2.4 AT&T shall establish its dial tone on service extended to the AT&T side of the Expanded Interconnection Cross Connect no later than 48 hours before the desired cut time.
- 3.2.5 SBC-AMERITECH shall test for dial tone and ANI supplied by the AT&T switch to the designated pair assignment by testing through the tie cable provisioned between SBC-AMERITECH main distribution frame and the AT&T expanded interconnection cross connect. Such pre-testing shall be completed by SBC-AMERITECH no later than 24 hours prior to the cut. If SBC-SWBT finds problems during pre-testing, SBC-AMERITECH shall notify AT&T of this finding and work cooperatively with AT&T to rectify the problem.
- 3.2.6 For CHC orders, AT&T shall call SBC-AMERITECH to initiate the cut not sooner than 10 minutes prior to the scheduled cut time or 30 minutes after the scheduled cut time. If AT&T does not call within these timeframes, AT&T will be required submit a supplemental LSR in a timely manner.
- 3.2.7 Except as otherwise agreed by the Parties, the time interval for the hot cut shall be monitored and shall conform to the performance standards and consequences for failure to meet the specified standards as reflected in the performance measurements incorporated by reference into **Article XXXII** of this Agreement.

4.0 Maintenance/Repair

- 4.1 SBC-AMERITECH shall provide maintenance and repair functions (including testing and surveillance for applicable services) for Resale Services, UNE, and number portability purchased by AT&T, and shall provide electronic Interfaces to permit AT&T to place trouble reports and receive maintenance status updates. Each Party shall make maintenance progress reports and status of repair efforts available to the other Party.
- 4.2 In the event SBC-AMERITECH misses a scheduled repair appointment on behalf of AT&T, SBC-AMERITECH will notify AT&T via the electronic Interface used to place the trouble report, in parity with notice provided to its own retail end users.
- 4.3 SBC-AMERITECH shall provide repair services to AT&T for AT&T end users that are equal in quality to that which it provides to its own retail end users. Trouble calls from AT&T shall receive response time priority that is at least equal in quality to that of SBC-AMERITECH retail end users and shall be handled on a "first come first served" basis regardless of whether the end user is a AT&T end user or a SBC-AMERITECH end user.

- 4.4 For Resale Services and UNEs provided to AT&T under this Agreement, SBC-AMERITECH shall provide AT&T with the same scheduled and non-scheduled maintenance, including, without limitation, required and recommended maintenance intervals and procedures that SBC-AMERITECH currently provides for the maintenance of its own network. SBC-AMERITECH shall provide AT&T at least ten (10) business days advance notice of any scheduled maintenance activity which will impact AT&T end users. Scheduled maintenance shall include, without limitation, such activities as switch software retrofits, power tests, and major equipment replacements. Nothing in this Agreement shall limit either Party's ability to upgrade its network through the incorporation of new equipment, new software or otherwise.
- 4.5 For Resale Services and UNEs provided to AT&T under this Agreement, SBC-AMERITECH shall advise AT&T of non-scheduled maintenance, testing, monitoring, and surveillance activity to be performed by SBC-AMERITECH on any service, including, without limitation, any hardware, equipment, software, or system providing service functionality which may potentially impact AT&T end users. SBC-AMERITECH shall provide the maximum advance notice of such non-scheduled maintenance and testing activity possible, under the circumstances; provided, however, that SBC-AMERITECH shall provide emergency maintenance as promptly as possible to maintain or restore service and shall advise AT&T promptly of any such actions it takes.
- 4.6 SBC-AMERITECH shall provide AT&T with a detailed description of any and all emergency restoration plans and disaster recovery plans, however denominated, which are in place during the term of this Agreement. Such plans shall include, at a minimum, the following: (i) procedures for prompt notification to AT&T of the existence, location, and source of any emergency network outage potentially affecting an AT&T end user; (ii) establishment of a single point of contact responsible for initiating and coordinating the restoration of all services; (iii) methods and procedures to provide AT&T with real-time access to information relating to the status of restoration efforts and problem resolution during the restoration process; (iv) in the event that temporary restoration methods are employed to restore service under an emergency condition, SBC-AMERITECH will advise AT&T on what methods and procedures will be utilized for a permanent resolution; (v) equal priority, as between AT&T end users and SBC-AMERITECH end users, for restoration efforts, consistent with FCC service restoration guidelines, including, without limitation, deployment of repair personnel, and access to spare parts and components; and (vi) a mutually agreeable process for escalation of maintenance problems, including a complete, up-to-date list of responsible contacts, each available twenty-four (24) hours per day, seven (7) days per week. Said plans shall be modified and updated as needed.

- 4.7 Each Party shall establish mutually acceptable methods and procedures for referring callers to the Toll Free number supplied by the other Party for purposes of receiving misdirected calls from customers requesting repair
- 4.8 Maintenance charges for premises visits by SBC-AMERITECH technicians shall be billed by SBC-AMERITECH to AT&T and not by SBC-AMERITECH to AT&T's end user. All forms, business cards or other materials furnished by SBC-AMERITECH technicians to AT&T end users will contain no brand. If the AT&T end user is not at home when the SBC-AMERITECH technician arrives, the SBC-AMERITECH technician shall leave on the premises "not-at-home" cards that are unbranded but include the contact number for AT&T, pursuant to **Article XXXII, Section 3.14**. The SBC-AMERITECH technician will not leave on the premises a SBC-AMERITECH-branded "not-at-home" card.

5.0 Local Account Maintenance

- 5.1 SBC-AMERITECH shall make account local service provider freezes available for AT&T's end users (for which AT&T purchases resale services from SBC-AMERITECH) on a basis that is at least equal in kind and quality to the local service provider freezes it provides to its end users.

6.0 Change in Service Provider

- 6.1 If an end user notifies SBC-AMERITECH or AT&T that the end user requests local exchange service from such Party, the Party receiving such request shall be free to immediately provide service to such end user and to use any CPNI of such end user in its possession to provide such service. The currently serving Party shall release customer-specific facilities in accordance with the end user's direction or that of the end user's authorized agent.
- 6.2 When a AT&T end user (for which AT&T purchases resale services or UNEs from SBC-AMERITECH) changes or withdraws authorization to provide service, AT&T shall provide, upon request by SBC-AMERITECH, necessary pre-order information to facilitate the prompt release of end user-specific facilities in accordance with the end user's direction. If the account has a local freeze, AT&T will release the preorder information to a new service provider or an end user's authorized agent upon the removal of the freeze by the end user. Such pre-order information, provided via AT&T Customer Service Record or some other mutually agreed-upon method, shall include the SBC-AMERITECH telephone number (or, if none, the end user's circuit ID), SBC-AMERITECH billing account number and any services or features, including listings. The Party or other agent authorized to commence service for such end user shall be free to re-use the facilities and issue service orders or Local Service Requests ("LSRs") as required to commence such service and discontinue prior service.

SCHEDULE 9.10
NETWORK ELEMENT PERFORMANCE ACTIVITIES

Reserved for future use, pursuant to **Article XXXII** (Performance Measurements).

SCHEDULE 9.2.1 LOCAL LOOPS

9.2.1 Local Loops.

9.2.1.1. Definition. The Loop to be provided on an unbundled basis pursuant to this Agreement is defined as set forth in FCC Rule 51.319. Without limiting the foregoing it includes a transmission facility between a distribution frame (or its equivalent) in a SBC-AMERITECH Central Office and the Loop demarcation point at an End User premises. Where applicable, the local loop includes all wire within multiple dwelling and tenant buildings and campuses that provides access to End User premises wiring, provided such wire is owned and controlled (or controlled) by SBC-AMERITECH. The local loop network element includes all features, functions and capabilities of the transmission facility, including dark fiber (as set forth in **Schedule 9.2.3**) attached electronics (except those electronics used for the provision of advanced services, such as Digital Subscriber Line Access Multiplexers), and line conditioning. In addition, the local loop network element includes DS1, DS3, and fiber. To the extent required by applicable law, the local loop network element includes other high capacity loops. AT&T agrees to operate each loop type within the technical descriptions and parameters accepted within the industry. In the event SBC-AMERITECH moves existing loop facilities to new spare or otherwise maintain facilities, SBC-AMERITECH will make commercially reasonable efforts to terminate the new facility at the same Network Interface Device location, obviating the need for inside wire re-arrangements on behalf of AT&T. If SBC-AMERITECH intends to move the new Facility it will give AT&T reasonable prior notice pursuant to the written contract instructions provided by AT&T. The demarcation point is that point where SBC-AMERITECH's control of the loop facility ceases, and the subscriber's control (or, in the case of some multiunit premises, the landlord's control) of the wire begins. The demarcation point is defined by control; it is a point where SBC-AMERITECH's and a property owner's responsibilities meet. The loop shall include the use of all test access functionality including without limitation, smart jacks, for both voice and data. In this **Schedule 9.2.1** to **Article IX** any reference to SD-1 shall mean, at AT&T's option, either DS-1 AMI or xDSL facility.

9.2.1.2. Loop Requirements. SBC-AMERITECH must offer unbundled access to Loops. The actual Loop transmission facilities used to provide a Loop may utilize any of several technologies.

9.2.1.3. Unbundled Loop Types. SBC-AMERITECH shall allow AT&T to access the following Loop types unbundled from local switching and transport (in addition to those Loops available under applicable tariffs) unbundled, or in Combination.

9.2.1.3.1 "2-Wire Analog Voice Grade Loop" or "Analog 2W," which supports analog transmission of 300-3000 Hz, repeat loop start, loop reverse battery, or ground start seizure and disconnect in one direction (toward the End Office Switch), and

repeat ringing in the other direction (toward the Customer) and terminates in a 2-Wire interface at both the central office MDF and the customer premises. Analog 2W includes Loops sufficient for the provision of PBX trunks, pay telephone lines and electronic key system lines. Analog 2W will be provided in accordance with the specifications, interfaces, and parameters described in Technical Reference AM-TR-TMO-000122, SBC-AMERITECH Unbundled Analog Loops.

9.2.1.3.2 “4-Wire Analog Voice Grade Loop” or “Analog 4W,” which supports transmission of voice grade signals using separate transmit and receive paths and terminates in a 4-wire electrical interface at both ends. Analog 4W will be provided in accordance with the specifications, interfaces, and parameters described in Technical Reference AM-TR-TMO-000122, SBC-AMERITECH Unbundled Analog Loops.

9.2.1.3.3 “2-Wire ISDN 160 Kbps Digital Loop” or “BRI-ISDN” which supports digital transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D). BRI-ISDN is a 2B+D Basic Rate Interface-Integrated Services Digital Network (BRI-ISDN) Loop which will meet national ISDN standards and conform to Technical Reference AM-TR-TMO-000123, SBC-AMERITECH Unbundled Digital Loops (including ISDN).

9.2.1.3.4 “xDSL capable Loop”. xDSL Capable Loop” is a loop that a CLEC may use to deploy xDSL technologies and is provided as set forth in **Schedule 9.2.2.**

9.2.1.3.5 “4-Wire 1.544 Mbps Digital Loop” or “1.544 Mbps Digital” is a transmission path which supports transmission of digital signals of up to a maximum binary information rate of 1.544 Mbps and terminates in a 4-Wire electrical interface at the Customer premises and on the DSX frame in SBC-AMERITECH's Central Office. 1.544 Mbps Digital will be provided in accordance with the specifications, interfaces and parameters described in AM-TR-TMO-00023.

9.2.1.3.6 DS3 Digital Loop. The DS3 loop provides a digital, 45 Mbps transmission facility from the SBC-AMERITECH Central Office to the loop demarcation point at the end user premises. (Unbundled DS1 or DS3 loops may not be employed in combination with transport facilities to replace special access services or facilities, except consistently with the certification and other requirements of the Supplemental Order released and adopted by the FCC on November 24, 1999 in Docket No. 96-98 (“In the Matter of the Implementation of the Local Competition Provisions of the Telecommunications Act of 1996”), as clarified by the Order Clarifying Supplemental Order released and adopted by the FCC on June 2, 2000, including, but not limited to the requirement that significant local exchange traffic, in addition to exchange access service, be provided to a particular customer over the facilities in compliance with the Orders, and with SBC-AMERITECH’s processes implementing the Orders.)

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9.2.1.5 Access to Unbundled Loops Currently Provided Over Digital Loop Carrier Systems (DLC). SBC-AMERITECH shall provide AT&T access to its unbundled Loops at each of SBC-AMERITECH's Wire Centers. In addition, if AT&T requests one or more Loops serviced by an Integrated Digital Loop Carrier or Remote Switching technology deployed as a Loop concentrator, SBC-AMERITECH shall, where available either move the requested Loop(s) to a spare, existing physical Loop at no charge to AT&T or move the Loop(s) involved to a parallel universal digital Loop carrier facility. AT&T may request other options including employing equipment in the remote terminal location or in the central office that permits AT&T to service the retail customer in a non-discriminatory manner. SBC-AMERITECH shall provide such options on a Bona Fide Request ("BFR") basis as set forth in **Article II** where technically feasible. If, however, no spare physical Loop is available, SBC-AMERITECH shall notify AT&T of the lack of available facilities. AT&T may then at its discretion make a Bona Fide Request ("BFR") for SBC-AMERITECH to provide the unbundled Loop and to the extent required by law, SBC-AMERITECH may agree to provide such UNEs through the BFR process. Notwithstanding anything to the contrary in this Agreement, the provisioning intervals set forth in **Schedule 9.5** of this Agreement and the SBC-AMERITECH Network Element Performance Benchmarks set forth in **Article XXXII (Performance Measurements)** of this Agreement shall not apply to unbundled Loops provided under this **Section 9.2.1.5**.

9.2.1.6 High Frequency Spectrum. **Schedule 9.2.2** (xDSL) of this Agreement contains the requirements associated with SBC-AMERITECH Line Sharing and access to the High Frequency Spectrum of a loop.

9.2.1.7 Spectrum Management

9.2.1.7.1 A request by AT&T for an xDSL capable and/or an xDSL-equipped Loop will be treated in a non-discriminatory manner and provided consistent with **Schedule 9.2.2**.

SCHEDULE 9.2.2 HIGH FREQUENCY PORTION OF THE LOOP

9.2.2. High Frequency Portion of the Loop.

9.2.2.1 Introduction.

9.2.2.1.1 This Schedule sets forth terms and conditions for providing the High Frequency Portion of the Loop (“**HFPL**”) by SBC-AMERITECH and AT&T. Nothing in this **Schedule 9.2.2** shall obligate SBC-AMERITECH to provide a splitter (defined in **Section 9.2.2.2.9**, below as “a passive device within the SBC-AMERITECH central office used to separate the voice and data on a standard copper xDSL capable loop”) to AT&T for purposes of line sharing or line splitting.

9.2.2.1.2 The prices at which SBC-AMERITECH agrees to provide AT&T with xDSL-capable loops and HFPL are contained in the applicable **Pricing Schedule**.

9.2.2.1.3 SBC-AMERITECH agrees to provide AT&T with access to UNEs (including HFPL loop offerings) in accordance with the rates, terms and conditions set forth in this **Schedule 9.2.2** (HFPL) and the general terms and conditions applicable to UNEs under **Article IX**, for AT&T to use in conjunction with its desired xDSL technologies and equipment to provide xDSL services to its end user customers.

9.2.2.2 Definitions.

9.2.2.2.1 SBC-AMERITECH Line Sharing is defined as use of the High Frequency Portion of the local loop (“HFPL”) by AT&T (or a third party CLEC) to provide Advanced Services to customers that obtain retail local voice service from SBC-AMERITECH on the same local loop, as addressed in the FCC’s Third Report and Order in Docket 98-147 (Advanced Services) (released Dec. 9, 1999) and Fourth Report and Order in CC Docket No. 96-98 rel. December 9, 1999 (Line Sharing) and the FCC Order on Reconsideration of the Line Sharing Order ex. rel January 19, 2001 (Line Sharing Reconsideration Order).

9.2.2.2.2 Line Splitting is an arrangement in which a CLEC, utilizing a splitter, provides both voice and data over the same loop facility to provide advanced services to customers that do not obtain retail local voice service from SBC AMERITECH on the same local loop, and as described in the Ohio Commission’s Arbitration Award in Case No. 00-1188-TP-ARB, “In the Matter of AT&T Communications of Ohio, Inc.’s and TCG Ohio’s Petition for Arbitration of Interconnection Rates, Terms, and Conditions and Related Arrangements with Ameritech Ohio,” dated June 21, 2001.

9.2.2.2.3 For purposes of this Schedule, a “**loop**” is defined as a transmission facility between a distribution frame (or its equivalent) in a central office and the loop demarcation point at an end user customer premises.

9.2.2.2.4 For purposes of this Schedule, a “**subloop**” is defined as any portion of the loop from SBC-AMERITECH’s F1/F2 interface to the demarcation point at the customer premise that can be accessed at a terminal in SBC-AMERITECH’s outside plant. An accessible terminal is a point on the loop where technicians can access the wire or fiber within the cable without removing a splice closure to reach the wire within. The Parties recognize that this is only one form of subloop (defined as the F1/F2 interface to the customer premise) as set forth in the FCC’s Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-96 (FCC 99-238), including the FCC’s Supplemental Order issued In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996, in CC Docket No. 96-98 (FCC 99-370) (rel. November 24, 1999) (“the UNE Remand Order”). Additional subloop types may be negotiated and agreed to by the Parties consistent with the UNE Remand Order.

9.2.2.2.5 The term “Digital Subscriber Line” (“DSL”) describes various technologies and services. The “x” in “xDSL” is a place holder for the various types of DSL services, including, but not limited to ADSL (Asymmetric Digital Subscriber Line), HDSL (High-Speed Digital Subscriber Line), IDSL (ISDN Digital Subscriber Line), SDSL (Symmetrical Digital Subscriber Line), UDSL (Universal Digital Subscriber Line), VDSL (Very High-Speed Digital Subscriber Line), and RADSL (Rate-Adaptive Digital Subscriber Line).

9.2.2.2.6 When AT&T leases the entire xDSL-capable UNE loop from SBC-AMERITECH, AT&T controls the full spectrum of the xDSL-capable UNE loop, and SBC-AMERITECH will permit AT&T to engage in line splitting on the UNE loop by providing its own splitter or using the splitter of a third party as authorized by AT&T.

9.2.2.2.7 A loop technology that is “presumed acceptable for deployment” is one that either complies with existing industry standards, has been successfully deployed by another carrier in any state without significantly degrading the performance of other services, or has been approved by the FCC, any state commission, or an industry standards body.

9.2.2.2.8 A “non-standard xDSL-based technology” is a loop technology that is not presumed acceptable for deployment under **Section 9.2.2.2.7**, above, of this Schedule.

9.2.2.2.9 A “Splitter” is a passive device within the SBC-AMERITECH central office used to separate the voice and data on a standard copper xDSL-capable loop.

9.2.2.2.10 “Digital Subscriber Line Access Multiplexer” (DSLAM) is a piece of equipment that combines end-user DSL connections to a single high-speed signal for connection to a packet switch, typically ATM or IP.

9.2.2.2.11 “Continuity” shall be defined as a single, uninterrupted path along a circuit, provided over copper facilities, from the Minimum Point of Entry (MPOE) or other demarcation point to the Point of Interface (POI) located on the horizontal side of the Main Distribution Frame (MDF).

9.2.2.2.12 “Proof of Continuity” shall be determined by performing a physical fault test at the MPOE or other demarcation point to the POI located on the horizontal side of the MDF by providing a short across the circuit on the tip and ring, and registering whether it can be received at the far end. This test will be known hereafter as “Proof of Continuity” or “Continuity Test.” This is a DC (metallic) circuit test and only applies to circuits not provided over Digital Loop Carrier. A voiceband (POTS) service does not require DC continuity.

9.2.2.2.13 “2-Wire xDSL Loop”: A 2-Wire xDSL Loop for purposes of this **Schedule 9.2.2**, is a copper loop over which AT&T may provision various DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet total length or 2000 feet single length). However, removal of load coils, repeaters or excessive bridged tap on an existing loop is optional, subject to conditioning charges, and will be performed at AT&T’s request. The rates set forth on the **Pricing Schedule** shall apply to this 2-Wire xDSL Loop.

9.2.2.2.14 “2-Wire Digital Loop” (e.g. ISDN/IDSL): A 2-Wire Digital Loop for purposes of this **Schedule 9.2.2** is 160 Kbps and supports Basic Rate ISDN (BRI) digital exchange services. The terms and conditions for the 2-Wire Digital Loop are set forth in **Schedule 9.2.1** and the rates on the **Pricing Schedule**.

9.2.2.2.15 “4-Wire xDSL Loop”: A 4-Wire xDSL Loop for purposes of this **Schedule 9.2.2**, is a copper loop over which AT&T may provision DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in length). However, removal of load coils, repeaters or excessive bridged tap on an existing loop is optional and will be performed at AT&T’s request. The rates set forth on the **Pricing Schedule** shall apply to this 4-Wire xDSL Loop.

9.2.2.2.16 “IDSL Loop”: An IDSL Loop for purposes of this **Schedule 9.2.2**, is a 2-Wire Digital Loop transmission facility which supports IDSL services. The terms and conditions for the 2-Wire Digital Loop are set forth in **Schedule 9.2.1**, and the rates on the **Pricing Schedule**. This loop also includes additional acceptance testing to insure the IDSL technology is compatible with the underlying Digital Loop Carrier system

if present. IDSL is not compatible with all Digital Loop Carrier Systems and therefore this offering may not be available in all areas. The rates set forth on the **Pricing Schedule** shall apply to this IDSL Loop.

9.2.2.3 General Terms And Conditions Relating to the High Frequency Portion of the Loop.

9.2.2.3.1 SBC-AMERITECH will provide a HFPL for AT&T to deploy xDSL technologies presumed acceptable for deployment or non-standard xDSL technologies as defined in this Schedule. SBC-AMERITECH will not impose limitations on the transmission speeds of xDSL services; provided, however, SBC-AMERITECH does not guarantee transmission speeds, available bandwidth nor imply any service level. Consistent with the Line Sharing Order, AT&T may only deploy xDSL technologies on the HFPL that do not cause significant degradation with analog voice band transmission.

9.2.2.3.2 SBC-AMERITECH shall not deny AT&T's request to deploy any xDSL technology over the HFPL that is presumed acceptable for deployment pursuant to state or federal rules unless SBC-AMERITECH has demonstrated to the state commission in accordance with FCC orders that AT&T's deployment of the specific technology will significantly degrade the performance of other advanced services or traditional voice band services.

9.2.2.3.3 In the event AT&T wishes to introduce a technology on the HFPL that has been successfully deployed by any carrier elsewhere but not otherwise approved by an industry standards body, the Federal Communications Commission or any state commission, AT&T will provide documentation describing that action to SBC-AMERITECH and the state commission before or at the time of its request to deploy such technology within SBC-AMERITECH.

9.2.2.3.6 When SBC-AMERITECH's traditional retail POTS services are disconnected in a line sharing arrangement, SBC-AMERITECH will notify AT&T that POTS service is being disconnected. AT&T will determine whether the advanced service will be converted from a Line Sharing Circuit to a full standalone xDSL-capable UNE loop or disconnected. If notification is not provided within three days, SBC-AMERITECH will convert the line shared circuit to a standalone xDSL-capable UNE loop, and if applicable, will remove any SBC-AMERITECH-owned splitter for use on a future line-shared circuit. All appropriate recurring and nonrecurring charges for the rearrangement and/or disconnect shall apply pursuant to the underlying **Pricing Schedule**. Upon request of either Party, the Parties shall meet to negotiate rates, terms and conditions for such notification and disconnection.

9.2.2.3.7 Whenever AT&T provides service utilizing an unbundled xDSL capable loop, AT&T shall control the entire loop spectrum. In addition, AT&T has the right to offer both voice and data services over the xDSL capable loop, either by itself or via an authorized AT&T Advanced Services Provider.

9.2.2.3.8 SBC-AMERITECH in conjunction with AT&T, shall institute procedures to allow AT&T or an authorized AT&T Advanced Services Provider to order data capabilities (permitted under this Schedule 9.2.2) on the AT&T xDSL-capable UNE loop provided that these vendors are not treated separate from AT&T. These procedures can include multiple Bill Account Numbers (BAN) but these BANs must all be under the AT&T name. If AT&T uses an authorized Advanced Services Provider to submit a Local Service Request (LSR), the LSR submitted by the authorized Advanced Service Provider is treated exactly the same as if it had been submitted by an AT&T employee i.e., legally, AT&T and the authorized Advanced Service Provider are one and the same in terms of their relationship with third parties

9.2.2.3.9 Intentionally left blank.

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9.2.2.4 Procedural Requirements. Shall be as set forth in this Schedule 9.2.2 and as set forth in SBC-12STATE's Plan of Record (refers to SBC-12STATE's December 7, 1999 filing with the FCC, including any subsequent modifications or additions to such filing).

9.2.2.5 Use of Authorized Advanced Services Providers.

9.2.2.5.1 AT&T may identify to SBC-AMERITECH in writing one or more CLECs as an authorized Advanced Services Provider, on a central office by central office basis, which is authorized by AT&T to add, change or delete advanced services capabilities of a local loop UNE employed or ordered by AT&T. In such instances, AT&T will specify, in its written notice to SBC-AMERITECH the scope of the authority granted by AT&T to the Advanced Services Provider, and will identify the central offices in which AT&T will engage the Advanced Services Provider and, for each of the central offices, AT&T will further identify the specific Advanced Services Providers that are authorized to access the AT&T UNE loop. AT&T may modify this authorization and such changes will become effective upon 30 days written notice by AT&T unless a different time period is otherwise mutually agreed. Unless AT&T provides written authorization as required in this section, SBC-AMERITECH shall reject any orders from any party other than AT&T that seeks to utilize, modify or in any manner affect the operation of the UNE loop employed or ordered by AT&T. SBC-AMERITECH may request, and AT&T will provide, proof of AT&T's authorization of an Advanced Services Provider at any time. SBC-AMERITECH will treat orders and other requests received by properly identified Advanced Services Providers as if AT&T had submitted them directly to SBC-AMERITECH.

9.2.2.5.2 Advanced Services Providers authorized by AT&T under this Article must be independently qualified and certified pursuant to all applicable federal and state laws and regulations to provide services using the UNE loop employed or ordered by AT&T under this Agreement, and in submitting written notice to SBC-

AMERITECH authorizing an Advanced Service Provider, AT&T represents and warrants that such qualification and certification has been obtained.

9.2.2.5.3 Notwithstanding AT&T's authorization of one or more Advanced Service Providers to add, change or delete advanced services capabilities on AT&T UNE loops, AT&T shall remain primarily obligated to SBC-AMERITECH under this Agreement for all charges and liabilities, including indemnification obligations, relevant to the ordering and use of the UNE loops. Further, AT&T shall be liable for any and all negligence or willful acts by such authorized Advanced Service Providers that result in property damage or personal injury to SBC-AMERITECH or any third party, and shall defend and indemnify SBC-AMERITECH against such damage pursuant to **Article XXV** (Indemnification). Further, AT&T hereby releases SBC-AMERITECH from any and all liability for property damage or personal injury resulting, in whole or in part, from SBC-AMERITECH's reliance on AT&T's authorization of an Advance Service Provider to add, change or delete advanced services capabilities on AT&T UNE loops under this Section.

9.2.2.6 Advanced Notification. To the extent SBC-AMERITECH provides advanced notification to any CLEC including an affiliate that identifies when xDSL qualified loops and/or electronic loop qualification information access will be made available in a particular central office, SBC-AMERITECH will provide such notification to AT&T on the same basis and at the same time.

9.2.2.7 Advanced Services Equipment Deployment.

9.2.2.7.1 AT&T may directly deploy, (or deploy through an Authorized Advanced Services Provider), any advanced services equipment that operates within the Power Spectral Density ("PSD") mask parameters set forth in T1.413 or conforms to other generally recognized and applicable industry standards.

9.2.2.8 Unbundled xDSL-Capable Loop Offerings.

9.2.2.8.1 DSL-Capable Loops: For each of the loop types described in **Sections 9.2.2.8.1.1 – 9.2.2.8.1.2** below, AT&T will, at the time of ordering, notify SBC-AMERITECH as to the Power Spectral Density (**PSD**) mask of the technology AT&T the will deploy.

9.2.2.8.1.1 2-Wire xDSL Loop: A 2-wire xDSL loop for purposes of this section, is a copper loop over which a CLEC may provision various DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in total length, or 2000 feet single length). However removal of load coils, repeaters or excessive bridged tap on an existing loop is, subject to conditioning charges (except as provided in **Section 9.2.2.12.4.1** below), and will be performed at AT&T's request. The rates set forth in **Pricing Schedule** shall apply to this 2-Wire xDSL Loop.

9.2.2.8.1.2 Sub-Loop: In locations where SBC-AMERITECH has deployed: (1) Digital Loop Carrier systems and an uninterrupted copper loop is replaced with a fiber segment or shared copper in the distribution section of the loop; (2) Digital Added Main Line ("DAML") technology to derive multiple voice-grade POTS circuits from a single copper pair; or (3) entirely fiber optic facilities to the end user, SBC-AMERITECH will make the following options available to AT&T:

9.2.2.8.1.2.1 Where spare copper facilities are available, and the facilities meet the necessary technical requirements for the provisioning of DSL, AT&T has the option of requesting SBC-AMERITECH to make copper facilities available (subject to **Section 9.2.2.8.1.8** below).

9.2.2.8.1.2.2 AT&T has the option of collocating a DSLAM in SBC-AMERITECH's Remote Terminal ("RT") at the fiber/copper interface point, pursuant to collocation terms and conditions. When AT&T collocates its DSLAM at SBC-AMERITECH RTs, SBC-AMERITECH will provide AT&T with unbundled access to subloops to allow AT&T to access the copper wire portion of the loop.

9.2.2.8.1.2.3 Where AT&T is unable to obtain spare copper loops necessary to provision a DSL service, and SBC-AMERITECH has placed a DSLAM in the RT, SBC-AMERITECH must unbundle and provide access to its packet switching. SBC-AMERITECH is relieved of this unbundling obligation if it permits a requesting carrier to collocate its DSLAM in SBC-AMERITECH's remote terminal, on the same terms and conditions that apply to its own DSLAM. The rates set forth in the **Pricing Schedule** shall apply to this subloop.

9.2.2.8.1.3 When SBC-AMERITECH is the provider of the retail POTS analog voice service on the same loop to the same end-user, HFPL access will be offered on loops that meet the loop requirements as defined in **Sections 9.2.8.1.1 - 9.2.8.1.2** above. AT&T will provide SBC-AMERITECH with the type of technology it seeks to deploy, at the time of ordering, including the PSD of the technology AT&T will deploy. If the technology does not have a PSD mask, AT&T shall provide SBC-AMERITECH with a technical description of the technology (including power mask) for inventory purposes.

9.2.2.8.1.4 xDSL technologies may only reside in the higher frequency ranges (20,000 Hz and above), preserving a "buffer zone" to ensure the integrity of voice band traffic.

9.2.2.8.1.5 When SBC-AMERITECH traditional retail POTS services, in a line sharing arrangement, as that term is defined in **Section 9.2.2.2.1**, above, are disconnected SBC-AMERITECH will notify AT&T that the POTS is being disconnected. AT&T will determine whether the broadband service will be converted from a Line Sharing Circuit to a full stand alone UNE loop or disconnected. All appropriate recurring and non-recurring charges for the rearrangement and or disconnect

shall apply. Upon request of either Party, the Parties shall meet to negotiate terms for such notification and disconnection.

9.2.2.8.1.6 SBC-AMERITECH shall be under no obligation to provide multi-carrier or multi-service line sharing arrangements as referenced in FCC 99-355, paragraph 75. SBC-AMERITECH will allow AT&T to utilize the UNEs necessary to engage in line splitting as defined in **Section 9.2.2.2.2**, above.

9.2.2.8.1.7 Line sharing is not available in conjunction with a combination of network elements known as the platform or UNE-P (including loop and switch port combinations) or unbundled local switching or any arrangement where SBC-AMERITECH is not the retail POTS provider

9.2.2.8.1.8 SBC-AMERITECH shall be under no obligation to provision xDSL capable loops in any instance where physical facilities do not exist. SBC-AMERITECH shall be under no obligation to provide line sharing where SBC-AMERITECH is not the existing retail provider of the traditional, analog voice service (POTS). This shall not apply where physical facilities exist, but conditioning is required. In that event, AT&T will be given the opportunity to evaluate the parameters of the xDSL or HFPL service to be provided, and determine whether and what type of conditioning should be performed at its request. AT&T shall pay SBC-AMERITECH for any conditioning performed per **Section 9.2.2.12.1** and **9.2.2.12.2**, below.

9.2.2.8.1.9 For each loop (including the HFPL), AT&T shall at the time of ordering, notify SBC-AMERITECH as to the PSD mask of the technology the AT&T intends to deploy on the loop. If and when a change in PSD mask is made, AT&T will notify SBC-AMERITECH. Likewise, SBC-AMERITECH will disclose to AT&T upon request information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops SBC-AMERITECH will use this formation for the sole purpose of maintaining an inventory of advanced services present in the cable sheath. If the technology does not fit within a national standard PSD mask (but still remains in the HFPL only), AT&T shall provide SBC-AMERITECH with a technical description of the technology (including power mask) for inventory purposes.

9.2.2.8.1.10 SBC-AMERITECH shall not impose its own standards for provisioning xDSL services, all parties must abide by commission or FCC approved standards. SBC-AMERITECH will publish non-binding Technical Publications to communicate current standards and their application as set forth in Paragraph 72 of FCC Order 99-48 (rel. March 31, 1999), FCC Docket 98-147.

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9.2.2.9.1 Splitter ownership:

9.2.2.9.1.1 AT&T will own and have sole responsibility to forecast, purchase, install, inventory, provision and maintain splitters. When physically collocating, splitters shall be installed in AT&T's collocation arrangement area (whether caged or cageless) consistent with SBC-AMERITECH's standard collocation practices and procedure. When virtually collocated, SBC-AMERITECH will install, provision and maintain splitters under the terms of virtual collocation.

9.2.2.9.2 Splitter technology will adhere to established industry standards for technical, test access, common size, configurations and shelf arrangements.

9.2.2.9.3 All splitter equipment must be compliant with applicable national standards and NEBS Level 1.

9.2.2.10 Operational Support Systems Loop Makeup Information and Ordering.

9.2.2.10.1 General: In accordance with the FCC's UNE Remand Order, AT&T will be given nondiscriminatory access to the same loop qualification data, including maintenance information, that SBC-AMERITECH is providing any other CLEC and/or SBC-AMERITECH's retail operations or its advanced services affiliate.

9.2.2.10.2 Loop Pre-Qualification: Subject to **Section 9.2.2.12.1**, SBC-AMERITECH's pre-qual will provide a near-real time response to AT&T queries. Until replaced with OSS access as provided in **Section 9.2.2.12.1**, SBC-AMERITECH will provide mechanized access to a loop length indicator via Verigate and DataGate in regions where Verigate/DataGate are generally available for use with xDSL-based, HFPL, or other advanced services. The loop length is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office. This is an optional service to AT&T and is available at no charge.

9.2.2.10.3 Loop Qualification: SBC-AMERITECH will develop and deploy enhancements to its existing DataGate and EDI interfaces that will allow CLECs, as well as SBC-AMERITECH's retail operations or its advanced services affiliate, to have near real time electronic access as a preordering function to the loop makeup information. As more particularly described below, this loop makeup information will be categorized by three separate pricing elements: mechanized, manual, and detailed manual.

9.2.2.10.3.1 Mechanized loop qualification includes data that is available electronically and provided via an electronic system. Electronic access to loop makeup data through the OSS enhancements described in **Section 9.2.2.10.3** will return information in all fields, including but not limited to, as described in SBC's Plan of Record when such information is contained in SBC-AMERITECH's electronic databases. AT&T will be billed a mechanized loop qualification charge for each xDSL capable loop ordered at the rates set forth in the **Pricing Schedule**.

9.2.2.10.3.2 Manual loop qualification requires the manual look-up of data that is not contained in an electronic database. Manual loop makeup data includes the following: (a) the actual loop length; (b) the length by gauge; (c) the presence of repeaters, load coils, bridged taps; and shall include, if noted on the individual loop record; (d) the total length of bridged taps; (e) the presence of pair gain devices, DLC, and/or DAML; and (f) the presence of disturbers in the same and/or adjacent binder groups. AT&T will be billed a manual loop qualification charge for each manual loop qualification requested at the rates set forth in the **Pricing Schedule**.

9.2.2.10.3.3 Detailed manual loop qualification includes all fields as described in SBC's Plan of Record, including the fields described in **Section 9.2.2.10.3.2**. AT&T will be billed a detailed manual loop qualification charge for each detailed manual loop qualification requested at the rates set forth in the **Pricing Schedule**.

9.2.2.10.4 All categories of loop qualification are subject to the following:

9.2.2.10.4.1 If load coils, repeaters, or excessive bridged tap are present on a loop under 12,000 feet in length, conditioning to remove these elements will be performed without request and at no charge to AT&T.

9.2.2.10.4.2 If AT&T elects to have SBC-AMERITECH provide loop makeup through a manual process for information not available electronically, then the loop qualification interval will be 3-5 business days, or the interval provided to SBC-AMERITECH's affiliate, whichever is less.

9.2.2.10.4.3 If the results of the loop qualification indicate that conditioning is available, AT&T may request that SBC-AMERITECH perform conditioning at charges set forth in the **Pricing Schedule**. The AT&T may order the loop without conditioning or with partial conditioning if desired.

9.2.2.10.4.4 For HFPL, if AT&T's requested conditioning would degrade the customer's analog voice service, SBC-AMERITECH is not required to condition the loop. However, should SBC-AMERITECH refuse AT&T's request to condition a loop, SBC-AMERITECH will make an affirmative showing to the relevant state commission that conditioning the specific loop in question will significantly degrade voice band services.

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9.2.2.12 Provisioning.

9.2.2.12.1 Provisioning: SBC-AMERITECH will not guarantee that the local loop(s) ordered will perform as desired by AT&T for xDSL-based, HFPL, or other advanced services, but will guarantee metallic loop parameters, including continuity and pair balance. On loops where AT&T has requested that no conditioning be performed,

SBC-AMERITECH's maintenance will be limited to verifying loop suitability based on POTS design. For loops having had partial or extensive conditioning performed at AT&T's request, SBC-AMERITECH will verify continuity, the completion of all requested conditioning, and will repair at no charge to AT&T any gross defects which would be unacceptable based on current POTS design criteria and which do not result from the loop's modified design. For loops less than 12,000 feet, SBC-AMERITECH will remove load coils, repeaters, and excessive bridged taps (i.e. total bridge tap and single bridge tap parameters that meet industry guidelines) at no charge to AT&T.

9.2.2.12.2 Subject to **Section 9.2.2.10.4.4**, above, AT&T shall designate, at AT&T's sole option, what loop conditioning SBC-AMERITECH is to perform in provisioning the xDSL loop(s), subloop(s), or HFPL on the loop order. Conditioning may be ordered on loop(s), subloop(s), or HFPL of any length at the Loop conditioning rates set forth in the **Pricing Schedule**. The loop, subloop, or HFPL will be provisioned to meet the basic metallic and electrical characteristics.

9.2.2.12.3 The provisioning intervals are applicable to every xDSL capable loop and the HFPL regardless of the loop length. The Parties will meet to negotiate and agree upon subloop provisioning intervals.

9.2.2.12.3.1 The provisioning and installation interval for xDSL-capable loops and HFPL, where no conditioning is requested (including outside plant rearrangements that involve moving a working service to an alternate pair as the only possible solution to provide a DSL-capable loop or the HFPL), on orders for 1-20 loops per order or per end-user location, will be 5 business days, or the provisioning and installation interval applicable to SBC-AMERITECH's tariffed xDSL-based services, or its affiliate's, whichever is less.

9.2.2.12.3.2 The provisioning and installation intervals for xDSL-capable loops and the HFPL where conditioning is requested or outside plant rearrangements are necessary, as defined above, on orders for 1-20 loops per order or per end-user customer location, will be ten (10) business days, or the provisioning and installation interval applicable to SBC-AMERITECH's tariffed xDSL-based services or to its affiliate's xDSL-based services where conditioning is required, whichever is less. For HFPL orders, intervals are contingent upon the AT&T's customer's release of the voice grade circuit during normal working hours. In the event the end user customer should require conditioning during non-working hours, the due date may be adjusted consistent with end user release of the voice grade circuit and out-of-hours charges may apply.

9.2.2.12.3.3 Orders for more than 20 loops per order or per end user location, where no conditioning is requested will have a provisioning and installation interval of 15 business days, or as agreed upon by the Parties. For HFPL orders, intervals are contingent upon end user release during normal working hours. In the event AT&T's end user customers require conditioning during non-working hours, the due date may be adjusted consistent with end user release of circuit and out-of-hours charges may apply.

9.2.2.12.3.4 Orders for more than 20 loops per order which require conditioning will have a provisioning and installation interval agreed by the Parties in each instance.

9.2.2.12.3.5 Subsequent to the initial order for an xDSL-capable loop, subloop or the HFPL, additional conditioning may be requested on such loop(s) at the rates set forth in the **Pricing Schedule** and the applicable service order charges will apply; provided, however, when requests to add or modify conditioning are received for a pending HFPL order(s), no additional service order charges shall be assessed, but the due date may be adjusted if necessary to meet standard provisioning intervals. The provisioning interval for additional requests for conditioning pursuant to this subsection will be the same as set forth above.

9.2.2.12.3.6 AT&T, at its sole option, may request shielded cross-connects for central office wiring for use with 2-wire xDSL loop or HFPL when used to provision ADSL over a DSL-capable Loop or HFPL provided for herein at the rates set forth in the **Pricing Schedule**.

9.2.2.12.3.7 SBC-AMERITECH shall provide a 1-LSR process to enable AT&T to add xDSL-based data capabilities to an existing UNE-P voice line using line splitting. For purposes of this Appendix, "1-LSR" means that AT&T will have the ability and SBC-AMERITECH shall provide the requisite OSS capability and support to convert an existing UNE-P customer to line splitting using a single LSR. Via this process, AT&T will not be required to submit more than one LSR (other than supplemental LSRs to clear errors or make changes to the initial LSR or to condition the facility as provided in SWBT's documented procedures) and will not be required to submit any number of "related" or sequentially staged LSRs to effect the conversion. The Parties acknowledge that they differ over whether a UNE-P remains a UNE-P arrangement with the addition of xDSL/data services; nothing in this **Section 9.2.2.12.3.7** or this Agreement shall be construed as a concession or shall prejudice either Party with respect to this issue.

9.2.2.12.4. Maintenance.

9.2.2.12.4.1 SBC-AMERITECH will provide AT&T (and any AT&T authorized Advanced Services Provider as set forth in **Section 9.2.2.5**) with timely and efficient remote test access capability and operational support necessary to isolate troubles on equipment and facilities used to provide advanced services. SBC-AMERITECH must either provide physical test access at the point where splitting of high frequency portion of the loop and the voice service occurs or provide a mutually agreeable remote test access alternative (i.e., MLT/LoopCare or equivalent). SBC-AMERITECH shall be responsible for maintenance and repair of any equipment or facilities that it deploys including, but not limited to, the loop facility on the customer side of the splitter, any splitter that SBC-AMERITECH has deployed, and all intra-office wiring that SBC-AMERITECH has provided.

9.2.2.12.5 Billing. Any chargeable activities initiated by an AT&T or its authorized Advanced Service Provider, as provided for in this section, shall be billed by SBC-AMERITECH to AT&T pursuant to AT&T's interconnection agreement.

9.2.2.12.6 Performance Measurement and Consequences. SBC-AMERITECH shall provide xDSL Service to AT&T in accordance with the applicable Performance Standards, Measurements and Penalties detailed in this Agreement.

9.2.2.13 xDSL Acceptance Testing and Cooperative Testing.

9.2.2.13.1 SBC-AMERITECH and AT&T agree to implement Acceptance Testing during the provisioning cycle for xDSL loop delivery.

9.2.2.13.2 Acceptance Testing Procedure.

9.2.2.13.2.1 Upon delivery of a loop to/for AT&T, SBC-AMERITECH's field technician will call the LOC and the LOC tester will call a toll free number provided by AT&T to initiate performance of a series of Acceptance Tests.

9.2.2.13.2.1.1 The SBC-AMERITECH field technician will provide a solid short across the tip and ring of the circuit and then open the loop circuit. If requested the field technician will also perform a noise and frequency response test.

9.2.2.13.2.1.2 If the Acceptance Test fails to meet any loop parameters, based upon the type of loop and the loop length and gauge, the LOC technician will take any or all reasonable steps to immediately resolve the problem with AT&T on the line. If the problem cannot be resolved in an expedient manner, the technician will release the AT&T representative, and perform the work necessary to correct the situation. Once the loop is correctly provisioned, SBC-AMERITECH will re-contact AT&T's representative to repeat the Acceptance Test, or reschedule the Acceptance Test, if necessary. When the aforementioned (loop continuity) test parameters are met, AT&T will provide SBC-AMERITECH with a confirmation number and SBC-AMERITECH will complete the order. SBC-AMERITECH will not complete an order that fails Acceptance Testing.

9.2.2.13.2.1.3 AT&T may order, and SBC-AMERITECH shall provide and bill AT&T, for Acceptance Testing or Cooperative Testing ("Acceptance Testing") as of the effective date of this Agreement. Prices for Acceptance Testing shall be established as follows:

- i. If Acceptance Testing is ordered before the Parties have negotiated pricing for such testing and amended this Agreement accordingly, then the prices charged by SBC-AMERITECH under this Agreement shall be Interim Prices ("Interim Prices") which shall be equal to the rates specified

for those same testing activities in the SBC-AMERITECH tariff that would apply if there were no Agreement.

ii. Within fifteen (15) days after AT&T's initial request for Acceptance Testing the Parties will in good faith begin negotiations to establish pricing for such testing. If the Parties are unable to agree upon such pricing within thirty (30) days after the start of negotiations, the parties shall proceed in accordance with the dispute resolution procedures set forth in **Article XXVIII** to determine just and reasonable prices for Acceptance Testing.

iii. The Parties shall amend this Agreement within thirty (30) days to incorporate any Acceptance Testing prices that are either agreed to by negotiation, that result from the dispute resolution process, or are otherwise ordered by the Commission. To the extent that some Final Prices result from negotiation, dispute resolution, or are otherwise ordered by the Commission, while other prices are still in dispute, the Parties shall amend the Agreement to include any Final Prices without awaiting the determination of other prices that are not yet final.

iv. To the extent that any Final Prices that result from the process described above differ from the Interim Prices, the Parties shall, within sixty (60) days after the effective date of any Amendment which includes such Final Prices in this Agreement, conduct a "true-up" of all prior charges that were billed at Interim Rates and make any billing adjustments necessary to apply the Final Prices for all Acceptance Testing that has been conducted.

v. Each Party reserves its right to oppose, appeal or otherwise seek modification of rates adopted by the Commission, notwithstanding the Party's consent to application of those rates under this Agreement for so long as the rates are in effect.

9.2.2.13.2.1.4 Overtime or Premium time charges will apply for Acceptance Testing requests in off-hours at overtime time charges calculated at one and one half times the standard hourly charge and premium time being calculated at two times the standard hourly charge arrived at pursuant to **Section 9.2.2.13.2.1.3**, above. Overtime or Premium charges will not apply if SBC-AMERITECH does not charge its own affiliate or any other CLEC for overtime or premium charges in connection with service installation.

9.2.2.14 Maintenance/Service Assurance.

9.2.2.14.1 If requested by either Party, the Parties will negotiate in good faith to arrive at terms and conditions for Acceptance Testing on repairs.

9.2.2.14.2 Narrowband/voice service. In the context of line sharing, as defined in this **Schedule 9.2.2**, if the loop becomes significantly degraded certain

procedures as detailed below will be followed to restore the service. Should only the narrowband or voice service be reported as significantly degraded or out of service, SBC-AMERITECH shall repair the narrowband portion of the loop without disturbing the broadband portion of the loop if possible. In any case, either Party shall notify the end user and the other Party any time repair effort has the potential of affecting service on the broadband portion of the loop. SBC-AMERITECH may proceed with repair of the voice circuit if unable to reach the end user after a reasonable attempt to do so has been made. When connected facility assignment (CFA/APOT) change is required due to trouble, the pair change will be completed during the standard repair interval.

9.2.2.14.3 SBC-AMERITECH will offer a 24 hour clearing time on trouble reports referred by AT&T on xDSL-capable loops for line sharing, and proven to be in the wiring or physically tested and found to be in the Central office.

9.2.2.14.4 SBC-AMERITECH will provide resolution of AT&T-referred trouble tickets for the HFPL in parity with repair intervals SBC-AMERITECH provides its advanced services affiliates for the HFPL.

9.2.2.14.4.1 If AT&T opens a trouble ticket for the HFPL to SBC-AMERITECH and the problem is determined to be in AT&T's network, AT&T will pay SBC-AMERITECH the applicable commission-ordered tariffed rate for trouble isolation, maintenance, and repair (as specified in Section 9.2.2.13.2.1.3, above) upon closing the trouble ticket.

9.2.2.14.5 SBC-AMERITECH-owned splitters: This Section is applicable only to existing line shared arrangements between SBC-AMERITECH and AT&T, and is not applicable to any new and/or future line sharing or line splitting arrangements using SBC-AMERITECH-owned splitters.

9.2.2.14.5.1 SBC-AMERITECH will offer a 24-hour clearing time, excluding weekends and holidays, or parity with the repair intervals SBC-AMERITECH provides its advanced services affiliates, whichever is less, for trouble reports on the HFPL only referred by AT&T where the voice service has not been impacted after such trouble has been isolated to the SBC-AMERITECH central office.

9.2.2.14.6 AT&T-owned splitters:

9.2.2.14.6.1 If SBC-AMERITECH isolates a trouble (causing significant degradation or out of service condition to the POTS service) to the HFPL caused by AT&T data equipment or splitter, SBC-AMERITECH will notify AT&T and request a trouble ticket and committed restoration time for clearing the reported trouble (no longer than 24 hours). Either Party may offer the end user the option of restoring the POTS service if the end user is not satisfied with the repair interval provided by AT&T. If the end user chooses to have the POTS line restored before the HFPL problem can be corrected and notifies either AT&T or SBC-AMERITECH, either Party will notify the other and provide contact names prior to SBC-AMERITECH cutting around

the POTS Splitter /DSLAM equipment to restore POTS. When AT&T resolves the trouble condition in its equipment, AT&T will contact SBC-AMERITECH to restore the HFPL portion of the loop. In the event the trouble is identified and corrected in the AT&T equipment, SBC-AMERITECH will charge the applicable commission-ordered tariffed rate for trouble isolation, maintenance, and repair (as specified in **Section 9.2.2.15.5**) upon closing the trouble ticket.

9.2.2.14.7 Maintenance, other than assuring loop continuity and balance on unconditioned or partially conditioned loops greater than 12,000 feet, will only be provide on a time and material basis. On loops where AT&T has requested recommended conditioning not be performed, SBC-AMERITECH's maintenance will be limited to verifying loop suitability for POTS. For loops having had partial or extensive conditioning performed at AT&T's request, SBC-AMERITECH will verify continuity, the completion of all requested conditioning, and will repair at no charge to AT&T any defects which would be unacceptable for POTS and which do not result from the loop's modified design.

9.2.2.14.8 AT&T may perform intrusive testing by having first obtained the express permission of the end user customer and the name of the person providing such permission. AT&T shall make a note on the applicable screen space of the name of the end user customer providing permission for such testing before initializing an MLT test or so note such information on AT&T's trouble documentation for non-mechanized tests.

9.2.2.14.9 AT&T shall not rearrange or modify the retail-POTS within its equipment in any way without first coordinating with SBC-AMERITECH beyond the original HFPL service.

9.2.2.15 Spectrum Management.

9.2.2.15.1 AT&T will advise SBC-AMERITECH of the PSD mask approved or proposed by T1.E1 that reflect the service performance parameters of the technology to be used. AT&T, at its option, may provide any service complaint with that PSD mask. At the time of ordering a xDSL-capable loop, AT&T will notify SBC-AMERITECH as to the type of PSD mask AT&T intends to use on the ordering form, and if and when a change in PSD mask is made, AT&T will notify SBC-AMERITECH. AT&T will abide by standards pertinent for the designated PSD mask type.

9.2.2.15.2 SBC-AMERITECH agrees that, it will maintain an inventory of the existing services provisioned on the cable. SBC-AMERITECH may not segregate xDSL technologies into designated binder groups. SBC-AMERITECH shall not deny AT&T a loop based upon spectrum management issues, subject to **Section 9.2.2.15.3** below. In all cases, SBC-AMERITECH will manage the spectrum in a competitively neutral manner consistent with all relevant industry standards regardless of whether the service is provided by AT&T or by SBC-AMERITECH, as well as competitively neutral as between different xDSL services. Where disputes arise, SBC-AMERITECH and AT&T

will put forth a good faith effort to resolve such disputes in a timely manner. As a part of the dispute resolution process, SBC-AMERITECH will, upon request from AT&T, disclose within 3-5 business days information with respect to the number of loops using advanced services technology within the binder group and the type of technology deployed on those loops so that the involved parties may examine the deployment of services within the affected loop plant.

9.2.2.15.3 In the event that the FCC or the industry establishes long-term standards and practices and policies relating to spectrum compatibility that differ from those established in this Schedule, SBC-AMERITECH and AT&T agree to comply with the FCC and/or industry standards, practices and policies and will establish a mutually agreeable transition plan and timeframe for achieving and implementing such industry standards, practices and policies.

9.2.2.15.4 Within thirty (30) days after general availability of equipment conforming to applicable industry standards or the mutually agreed upon standards developed by the industry in conjunction with the Commission or FCC, then SBC-AMERITECH and/or AT&T must begin the process of bringing its deployed xDSL technologies and equipment into compliance with such standards at its own expense.

SCHEDULE 9.2.3 DARK FIBER

9.2.3 Dark Fiber.

9.2.3.1 Definition. Dark fiber, to be provided on an unbundled basis pursuant to this Agreement is defined as set forth in FCC Rule 51.319. Without limiting the foregoing it includes deployed, unlit fiber optic cable that connects two points within SBC-AMERITECH's network. Dark fiber is fiber that has not been activated through connection to the electronics that "light it", and thereby render it capable of carrying communications services.

9.2.3.1.1 Where it is technically feasible and reasonable, Ameritech will make ordinary splices of one existing fiber segment to a second existing fiber segment at the request of AT&T. Such requests will be made through the BFR process, and Ameritech may charge market based prices to AT&T for performing this function.

9.2.3.2 Interoffice Dark Fiber. SBC-AMERITECH will provide dark fiber in the interoffice transport segment of the network as a network element to be provided on an unbundled basis. Interoffice dark fiber is between two different SBC-AMERITECH Central Offices and terminates on a fiber distribution frame, or equivalent, in the Central Offices (including remote and hosts) and tandem offices.

9.2.3.3 Loop Dark Fiber.

9.2.3.3.1 SBC-AMERITECH will provide loop dark fiber as a network element to be provided on an unbundled basis. Loop dark fiber is a segment between a serving SBC-AMERITECH central office and an end user customer premise.

9.2.3.3.2 SBC-AMERITECH will provide sub-loop dark fiber as an unbundled network element. Sub-loop dark fiber includes the following segments:

9.2.3.3.2.1 the serving SBC-AMERITECH central office and a remote terminal/CEV/Hut; or

9.2.3.3.2.2 a remote terminal/CEV/Hut and an end user customer premise.

9.2.3.3.3 At CO's the dark fiber terminates on a fiber distribution frame, or equivalent, in the CO. AT&T access may be provided where technically feasible, for example, all Collocation methods set forth in **Article XII** will be considered technically feasible.

9.2.3.3.4 At remote terminals, CEVs and Huts, AT&T's access to the dark fiber may be provided via the network demarcation point at the end user customer premises and via a fiber distribution frame at the remote terminal/CEV/Hut.

9.2.3.4 AT&T's request for dark fiber to be provided on an unbundled basis shall be provided by SBC-AMERITECH consistent with FCC rules and applicable state law. Available dark fiber does not include maintenance spares, fibers set aside and documented for commercially reasonably forecasted growth, defective fibers, or fibers subscribed to by other carriers.

9.2.3.5 Determining Spare Fibers.

9.2.3.5.1 SBC-AMERITECH will inventory and track spare dark fibers. Spare fibers do not include the following:

1. Maintenance fibers. The appropriate number of maintenance fibers will be determined consistent with the manner in which fill factors were determined in this state's TELRIC proceedings.
2. Defective fibers.
3. Growth fibers.

9.2.3.5.2 The appropriate SBC-AMERITECH engineering organization will maintain records on each fiber optic cable for which AT&T requests dark fiber.

9.2.3.5.3 Defective fibers, if any, will be deducted from the total number of spare fibers that would otherwise be available to AT&T for use under this Agreement.

9.2.3.6 Quantities and Time Frames for Ordering Dark Fiber.

9.2.3.6.1 The minimum number of fiber strands that AT&T can order is one unless it is not technically feasible.

9.2.3.6.2 If AT&T wishes to request dark fiber, it must submit a dark fiber facility inquiry, providing AT&T's specific point to point (A to Z) dark fiber requirements. When AT&T submits a dark fiber facility inquiry, appropriate rates for the inquiry will be charged as outlined in the **Pricing Schedule**. If spare dark fiber is available, as determined under this Agreement, SBC-AMERITECH will notify AT&T and AT&T may place an Access Service Request ("ASR") for the dark fiber. SBC-AMERITECH will respond to a dark fiber facilities inquiry from AT&T as to the

availability of a particular segment or segments within ten (10) business days from receipt of valid inquiry request.

9.2.3.6.3 Dark fiber will be assigned to AT&T only when an ASR is processed. ASRs will be processed on a first-come-first-served basis. Inquiry facility checks do not serve to reserve dark fiber. When AT&T submits the ASR, the ASR will be processed and the dark fiber facilities assigned for the charges set forth in the **Pricing Schedule**.

9.2.3.7 Access Methods Specific to Dark Fiber. The demarcation point for dark fiber at central offices, remote terminals and customer premises will be in an SBC-AMERITECH approved splitter shelf at any technically feasible point. This arrangement allows for non-intrusive testing.

9.2.3.8 Installation and Maintenance for Dark Fiber. SBC-AMERITECH will install demarcations and place the fiber jumpers from the fiber optic terminals to the demarcation point. AT&T will run its fiber jumpers from the demarcation point (1x2, 90-10 optical splitter) to the AT&T equipment, or as otherwise determined by the Parties.

9.2.3.9 Reclamation of Dark Fiber

SBC-AMERITECH may only reclaim dark fiber from AT&T in the limited circumstance where it demonstrates to the Commission that providing dark fiber to AT&T threatens its ability to provide service as carrier of last resort. Such a showing is made only when SBC-AMERITECH:

9.2.3.9.1 Demonstrates to the Commission that it negotiated with AT&T to address concerns related to the proposed reclamation.

9.2.3.9.2 Demonstrates to the Commission that it needs the dark fiber to meet its carrier of last resort responsibilities and that such fiber will be used within 12 months of proposed reclamation.

9.2.3.9.3 Establishes how it will provide AT&T with an alternative facility that meets AT&T's needs prior to reclaiming the facility.

SCHEDULE 9.2.4
UNBUNDLED ACCESS TO NETWORK INTERFACE DEVICES

9.2.4 Unbundled Access to Network Interface Devices.

9.2.4.1 Definition. The Network Interface Device (NID) to be provided on an unbundled basis pursuant to this Agreement is defined as set forth in FCC Rule 51.319. Without limiting the foregoing, it includes all features, functions and capabilities of the facilities used to connect the loop to the non telephone company wiring. The NID is any means of interconnection of End User customer premises wiring to SBC-AMERITECH's distribution loop facilities, such as a cross connect device used for that purpose. Maintenance and control of the End User's inside wiring (on the End User's side of the demarcation point) is under the control of the End User. Conflicts between telephone service providers for access to the End User's inside wire must be resolved by the End User. Pursuant to applicable FCC rules, SBC-AMERITECH offers nondiscriminatory access to the NID on an unbundled basis to any requesting telecommunications carrier. AT&T access to the NID is offered as specified below.

9.2.4.2 Access to NID. The SBC-AMERITECH NIDs, that AT&T uses under this Agreement will be existing NIDs installed by SBC-AMERITECH to serve its End Users. SBC-AMERITECH shall permit AT&T to connect AT&T's Loop to the inside wiring of a subscriber's premises through SBC-AMERITECH's NID in the manner set forth below or at any other technically feasible point.

9.2.4.2.1 Due to the wide variety of NIDs utilized by SBC-AMERITECH (based on Customer size and environmental considerations), AT&T may access the Customer's inside wire by any of the following means:

- (a) AT&T may connect to the End User's premises wiring through the SBC-AMERITECH NID, or at any other technically feasible point.
- (b) With respect to multiple dwelling units or multiple-unit business premises, AT&T will connect directly with the End User's premises wire, or may connect with the End User's premises wire via SBC-AMERITECH's NID where technically feasible, or at any other technically feasible point designated by AT&T.
- (c) SBC-AMERITECH shall allow AT&T to connect its loops directly to SBC-AMERITECH's multi-line residential NID enclosures that have additional space and are not used by SBC-AMERITECH or any other Telecommunications Carrier to provide service to the premise. AT&T agrees to pay for use of the SBC-AMERITECH NID in accordance with the schedules set forth in the pricing Appendix of this Agreement.

- (d) Where an adequate length of inside wire is present and environmental conditions permit, AT&T may remove the inside wire from SBC-AMERITECH's NID and connect that wire to AT&T's NID;
- (e) Enter the Customer access chamber or "side" of "dual chamber" NID enclosures for the purpose of extending a connectorized or spliced jumper wire from the inside wire through a suitable "punch-out" hole of such NID enclosures;
- (f) Enter SBC-AMERITECH's loop terminal enclosure located at a multiple dwelling unit ("MDU") for the purpose of accessing Customer premises inside wire and extending such wire to AT&T's own adjoining NID; or
- (g) Request SBC-AMERITECH to make other rearrangements to the inside wire terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting party (i.e., AT&T, its agent, the building owner or the Customer).

9.2.4.2.2 If AT&T accesses the Customer's inside wire as described in **Schedule 9.2.4.2.1(f)**, the time and materials charges will be billed to the requesting party (i.e., AT&T, the building owner or the Customer).

9.2.4.2.3 In no case shall AT&T remove or disconnect SBC-AMERITECH's loop facilities from SBC-AMERITECH's NIDs, enclosures, or protectors.

9.2.4.2.4 In no case shall AT&T remove or disconnect ground wires from SBC-AMERITECH 's NIDs, enclosures, or protectors.

9.2.4.2.5 In no case shall either Party remove or disconnect NID modules, protectors or terminals from the other party's NIDs, enclosures or protectors.

9.2.4.2.6 Due to the wide variety of NID enclosures and outside plant environments, SBC-AMERITECH will work with AT&T to develop specific procedures to establish the most effective means of implementing this **Schedule 9.2.4.**

SCHEDULE 9.2.5 SUBLOOP

9.2.5 SubLoop.

9.2.5.1 Definition. The Subloop to be provided on an unbundled basis pursuant to this Agreement is defined as set forth in FCC Rule 51.319(a)(2). Without limiting the foregoing it includes the portions of the loop that AT&T can access at any accessible terminal in SBC-AMERITECH's outside plant. Any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber is considered an accessible terminal for the purposes of this Agreement. Accessible terminals may be located at technically feasible points including:

- a. near the customer premises, such as the pole or pedestal, the NID or the minimum point of entry to the customer premises (MPOE).
- b. at the feeder distribution interface (FDI), where the trunk line, or "feeder," leading back to the central office, and the "distribution" plant, branching out to the subscribers, meet, and "interface."
- c. at the main distribution frame in the incumbent's central office.
- d. at the Remote Terminal (RT), the Serving Area Interface (SAI), and Terminal (underground or aerial).

9.2.5.2 Subloop Element - Components and Functionality.

The subloop segments for which AT&T may request access include the following:

FROM:	THROUGH:
1. Main Distributing Frame	Remote Terminal
2. Main Distributing Frame	Serving Area Interface or Feeder Distribution Interface
3. Main Distributing Frame	Terminal
4. Remote Terminal	Serving Area Interface or Feeder Distribution Interface
5. Remote Terminal	Terminal
6. Remote Terminal	Network Interface Device
7. Serving Area Interface or Feeder Distribution Interface	Terminal
8. Serving Area Interface or Feeder Distribution Interface	Network Interface Device
9. Terminal	Network Interface Device
10. NID	Stand Alone
11. SPOI (Single Point of Interface)	Stand Alone

9.2.5.3 Loop Concentration/Multiplexing Functionality.

9.2.5.3.1 Loop Concentration and Multiplexing Functionality will be included in Subloops where loop concentration or multiplexing is necessary to the loops being provided on subloop element basis to the extent technically feasible.

9.2.5.3.2 The Loop Concentration/Multiplexing Functionality:

(i) aggregates lower bit rate or bandwidth signals to higher bit rate or bandwidth signals (multiplexing); (ii) disaggregates higher bit rate or bandwidth signals to lower bit rate or bandwidth signals (demultiplexing); (iii) aggregates a specified number of (signals or channels to fewer channels (concentrating); (iv) performs signal conversion, including encoding of signals (e.g., analog to digital and digital to analog signal conversion); and (v) in some instances performs electrical to optical (E/O) conversions.

9.2.5.3.3 Loop Concentration/Multiplexing Functionality may be provided using a equipment at which traffic is encoded and decoded, multiplexed and demultiplexed, or concentrated.

9.2.5.4 Subloop Purchase. At its option, AT&T may purchase from SBC-AMERITECH on an unbundled basis the entire Loop and NID in combination, or any Subloop element, (i.e., Loop Feeder and Loop Distribution); to the extent technically feasible in response to a specific AT&T request, subloop elements shall be available to AT&T through the standard ordering process, and the BFR Process shall not apply to such order.

9.2.5.5 Subloop Interconnection. The space available for collocating and interconnecting at various subloop access points will vary depending on the existing plant at a particular location. Prior to ordering subloop facilities, AT&T will establish Collocation and/or the subloop interconnection arrangement(s) necessary to interconnect to the SBC-AMERITECH subloop network. When AT&T submits a request to provide information on subloop(s) availability, appropriate rates for the engineering and other associated costs performed will be charged. Connecting Facility Arrangement (CFA) assignments must be in-place prior to ordering and assigning specific subloop circuit(s). The assignment of subloop facilities will incorporate SBC-AMERITECH existing standard practices used to administer outside plant loop facilities, that is, the practice of assigning and administering subloop facilities will continue. Not less than six (6) months from the Effective Date of this Agreement or when LSR/ASR process has been tested and working, whichever is later, subloop(s) elements will be assigned to AT&T only when an LSR/ASR is processed. Until a working LSR/ASR process is established, AT&T will be permitted to order subloop elements via a "paper" process. LSR/ASRs will be processed on a "first come first served" basis. Subloop inquiries do not serve to reserve subloop(s).

9.2.5.6 Subloop Rights-of-Way. Several options exist for Collocation or subloop interconnection arrangements at technically feasible points. Sound engineering judgment will be utilized to ensure network security and integrity. Each situation will be

analyzed on a case-by-case basis. Should additional rights of way be required to accommodate AT&T's access to subloop request, AT&T will be responsible for obtaining such rights of way prior to submitting the ASR.

9.2.5.7 Subloop Provisioning. Subloops will be provided to AT&T in their existing condition (and with their existing capabilities) unless AT&T requests loop conditioning on xDSL Compatible Subloops for the purpose of offering advanced services. xDSL compatible subloop conditioning will be provided as set forth in **Schedule 9.2.2.**

9.2.5.8 Subloop Mechanized Testing. The Parties acknowledge that by separating feeder plant from distribution plant, the ability to perform mechanized testing and monitoring of the subloop from the SBC-AMERITECH switch may be lost.

9.2.5.9 Subloop Technical Features. Subloop types will include two-wire and four-wire analog voice-grade subloops, two-wire and four-wire DSL subloop, two-wire digital (ISDN) subloop, four-wire DS1 subloop, DS3 subloops and OCn. Each of the listed subloops will be similar to the related existing unbundled loop product offering. Access to the subloop unbundled network elements will be provided at prices set forth in the pricing schedule.

9.2.5.10 Single Point of Interconnection. If AT&T requests within one (1) year from the Effective Date of this Agreement, SBC-AMERITECH shall provide a single point of interconnection in any multi-unit premises within ninety (90) days of AT&T's request. One year from the effective date of this Agreement, SBC-AMERITECH shall provide a single point of interconnection in any multi-unit premise within forty-five (45) days of AT&T's request. If after one (1) year from the Effective Date of this Agreement, AT&T requests that SBC-AMERITECH provide a single point of interconnection, SBC-AMERITECH shall be compensated at forward-looking pricing principles.

SCHEDULE 9.2.6 SWITCHING

9.2.6 Switching.

9.2.6.1 Definition. The local switching capability to be provided on an unbundled basis pursuant to this Agreement is defined as set forth in FCC Rule 51.319. Without limiting the foregoing, it includes:

9.2.6.1.1 line-side facilities, which include the connection between a Loop termination at the Main Distribution Frame and a switch line card;

9.2.6.1.2 trunk-side facilities, which include the connection between trunk termination at a trunk-side cross- connect panel and a switch trunk card; and

9.2.6.1.3 all features, functions, and capabilities of the switch available from the specific port type (line side or trunk side port), which include:

9.2.6.1.3.1 the basic switching function of connecting lines to lines, lines to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to ILEC customers, such as a telephone number, white page listing, and dial tone;

9.2.6.1.3.2 access to OS/DA and 9-1-1; and

9.2.6.1.3.3 all other features that the switch is capable of providing, including custom calling, CLASS features and Centrex, as well as any technically feasible custom routing provided by the switch.

9.2.6.1.4 Remote Switching Module functionality is included in the Local Switching function. The switching capabilities used will be based on the line side and trunk side features they support.

9.2.6.1.5 Local Switching will also be capable of routing local, intraLATA, interLATA, and calls to international customer's preferred carrier; call features (e.g., call forwarding) and Centrex capabilities.

9.2.6.1.6 Local Switching also includes the ability to perform Customized Routing to enable AT&T's local Operator Service (OS) and/or Directory Assistance (DA), as well as AT&T's PIC'd toll traffic in a 2-PIC environment to be routed, at AT&T's option, from SBC-AMERITECH's local end office to an alternate OS/DA platform designated by AT&T. AT&T will pay the appropriate customized routing charges.

9.2.6.1.7 Customized routing supplied by SBC-AMERITECH shall provide AT&T with the capability of directing AT&T's local OS and DA traffic to its own operators and/or directory assistance agents or to those of a third party vendor. If requested by AT&T to provide more efficient use of existing trunking, SBC-AMERITECH shall allow AT&T to commingle local and toll OS and/or DA traffic on AT&T existing Trunks utilizing Modified Operator Service Signaling (MOSS). SBC-AMERITECH will investigate other ways to allow local OS and/or DA traffic to be custom routed to existing AT&T facilities (including, but not limited to existing Feature Group D) trunks on a BFR basis. In any event, if local traffic is routed to AT&T facilities obtained through SBC-Ameritech Access Tariffs, AT&T will continue to pay full access rates for these facilities. SBC-AMERITECH will provide the functionality and features within its local switch (LS) to route all AT&T customer dialed 0+ local and 0- calls to the AT&T designated trunk groups utilizing MOSS. In addition, via the BFR process, SBC-AMERITECH shall allow AT&T the option of directing its customers local inter-switch traffic on an NPA-NXX basis to a Port or Ports other than the standard routing used by SBC-AMERITECH.

9.2.6.1.7.1 Where physical network trunking rearrangement work is performed in the process of establishing custom routing trunk groups for migrating Operator and DA services to AT&T SBC-AMERITECH shall apply only those charges necessary to recover the costs of performing the trunk rearrangements, applying Long Run Service Incremental Costing principles (LRSIC).

9.2.6.1.8 AT&T will be solely responsible for specifying the required custom routing (including code conversions and number translations) as well as the design of any dedicated transport associated with customized routing. SBC-AMERITECH will remain solely responsible for implementing the custom routing at SBC-AMERITECH's central offices, and for the design and engineering of any SBC-AMERITECH provided shared transport.

9.2.6.1.9 Dedicated transport may be purchased from SBC-AMERITECH or AT&T may provide its own.

9.2.6.1.10 SBC-AMERITECH shall not impose any restrictions on AT&T regarding the use of the unbundled local switching it purchases from SBC-AMERITECH provided such use does not result in demonstrable harm to either SBC-AMERITECH network or personnel.

9.2.6.1.11 SBC-AMERITECH acknowledges that it is required to offer a permanent shared transport offering and that it has proposed terms for the provision of shared transport in Ohio in its proposed tariff in OPUC Case No. 00-1368. Those rates, terms and conditions shall govern the provision of shared transport by SBC-AMERITECH in Ohio unless and until the Ohio Commission modifies those rates, terms and conditions via rulings in Case No. 00-1368 and Case No. 96-922 or other applicable case. Any such modifications shall be incorporated into this Agreement by amendment.

9.2.6.1.12 Vertical features, CLASS features, and other features resident in the ILEC switch are available under ULS.

9.2.6.2 Technical Requirements.

9.2.6.2.1 In accordance with Section 9.2.7.1.3 of Schedule 9.2.7, SBC-AMERITECH shall route local and toll calls to the appropriate trunk ports or line ports for call origination or termination utilizing SBC-AMERITECH's shared transport network. At AT&T's option SBC-AMERITECH will offer customized routing for unbundled switch line ports. Customized routing will include but not be limited to the customized routing of inter-switch traffic on an NPA-NXX basis to a Port or Ports other than the standard routing used by SBC-AMERITECH, and to the customized routing of local OS and DA calls, as well as AT&T's PIC'ed toll traffic in a 2-PIC environment as specified by AT&T.

9.2.6.2.2 Where AT&T purchases Local Switching, at AT&T's option, SBC-AMERITECH will provide the functionality and features required to either modify the originating subscriber's line at SBC-AMERITECH's local switch (LS) through the use of routing tables, e.g., via line class codes, or provide AIN functionality, to route all local DA, as well as AT&T's PIC'ed toll DA traffic in a 2-PIC environment, to the AT&T Network. This custom routing functionality must be fully tested and be capable of being broadly deployed by SBC-AMERITECH. Functionality and features may also be provided in any other manner mutually agreed to by the parties.

9.2.6.2.3 SBC-AMERITECH will provide Customized Routing via LCC technology. SBC-AMERITECH shall provide custom routing at TELRIC based rates as identified in the Pricing Schedule.

9.2.6.2.4 At AT&T's option, OS traffic shall be custom routed over trunk groups specified by AT&T using standard Operator Services dialing protocols of 0+ or 0- where technically feasible. SBC-AMERITECH will provide the functionality and features within its local switch (LS) to route all AT&T customer dialed 0+ and 0- calls to the AT&T designated trunk groups via Modified Operator Services Signaling (MOSS), where technically feasible and subject to the completion of successful testing. Otherwise, SBC-AMERITECH shall handle these calls on behalf of AT&T and route the calls to SBC-AMERITECH's operator platform for processing.

9.2.6.2.5 At AT&T's option, SBC-AMERITECH shall route all local Directory Assistance calls dialed via 411 or 555-1212 by AT&T Customers to the AT&T Network. Otherwise, SBC-AMERITECH shall handle these calls on behalf of AT&T and route the calls to SBC-AMERITECH's directory assistance platform for processing.

9.2.6.2.6 SBC-AMERITECH shall route all toll and InterLATA Directory Assistance dialed via (NPA) 555-1212, by AT&T Customers, to the customer's PIC'ed carrier for toll and interLATA service respectively.

9.2.6.2.7 Intentionally left blank.

9.2.6.2.8 Subject to a BFR, at AT&T's option, and subject to testing, SBC-AMERITECH shall perform code conversions to route all AT&T customer dialed local and toll Directory Assistance calls to an AT&T designated telephone number (i.e., xxx-xxx-xxxx) prior to delivery to the AT&T Network. In the event that SBC-AMERITECH cannot perform this custom routing for any reason, SBC-AMERITECH will either place unconverted dialed calls on the AT&T designated trunk group, or continue to provide AT&T with unbundled Operator Services at AT&T's request.

9.2.6.2.9 All dialing capabilities described herein shall permit AT&T Customers to dial the same telephone numbers to reach AT&T Directory Assistance, or an AT&T Operator that similarly-situated SBC-AMERITECH customers dial for reaching equivalent SBC-AMERITECH Directory Assistance and SBC-AMERITECH operators.

9.2.6.2.10 If requested by AT&T, SBC-AMERITECH shall provide standard recorded network announcements. At AT&T's request, UNE dedicated and local switching with shared transport originated by an AT&T UNE ULS customer shall be left unbranded by SBC-AMERITECH. Requests for other announcement treatment, that is, AT&T's "sparkle tone", shall be subject to the BFR process.

9.2.6.2.11 Intentionally left blank.

9.2.6.2.12 Where AT&T purchases unbundled switching and SBC-AMERITECH provides AT&T with access to SBC-AMERITECH's electronic interfaces to perform routine testing (e.g. Mechanized Loop Tests (MLT)), AT&T will be allowed to perform MLT, issue trouble tickets, view status, and view trouble history on-line. Where AT&T purchases unbundled switching and SBC-AMERITECH does not provide AT&T with access to SBC-AMERITECH's electronic interfaces to perform routing testing (e.g. MLT), SBC-AMERITECH will perform such testing for AT&T and additionally will issue trouble tickets, provide status, and provide trouble history to AT&T.

9.2.6.2.13 SBC-AMERITECH shall repair, restore and maintain SBC-AMERITECH provided equipment that has produced trouble conditions using the same methods, procedures and timeframes used to restore similar SBC-AMERITECH equipment in a non-discriminatory manner.

9.2.6.2.14 SBC-AMERITECH shall control congestion points such as mass calling events, and network routing abnormalities, using appropriate network capabilities.

9.2.6.2.15 SBC-AMERITECH shall record potentially billable events, as applicable, involving usage of the Network Element, and send the appropriate recording

data to AT&T as outlined in **Schedule 9.3** and in **Article XXVII** (Billing and Recording) of this Agreement.

9.2.6.2.16 Unbundled local switching will include 911 access in a nondiscriminatory manner.

9.2.6.2.17 SBC-AMERITECH shall provide nondiscriminatory access to switching service point (SSP) capabilities and signaling software to interconnect the signaling links destined to SBC-AMERITECH STPs.

9.2.6.2.18 AT&T may request and SBC-AMERITECH will provide call blocking options (e.g., 900, 976) at parity with those provided to SBC-AMERITECH's own customers.

9.2.6.3 Interface Requirements.

9.2.6.3.1 SBC-AMERITECH shall provide at a minimum the following unbundled Local Switching ports:

Analog basic (POTS)	line side, Loop start or ground start signaling
Analog Centrex	line side, Loop start or ground start signaling.
Analog PBX	line side, Loop start, or ground start signaling
Analog DID	trunk side, Loop signaling, associated with a PBX
DS1 (DID)	trunk side, associated with a PBX
DS1	trunk side
ISDN BRI	two circuit-switched b-channels (64 Kbits/s each) and one D-channel (16 Kbits/s)
ISDN PRI	twenty three circuit-switched b-channels (64 Kbits/s each) and one D-channel (64 Kbits/s)

9.2.6.3.2 Additional interfaces may be requested in accordance with the BFR Process, as set forth in **Article II** of this Agreement.

9.2.6.4 Tandem Switching.

9.2.6.4.1 Definition. Tandem Switching is defined as:

9.2.6.4.1.1 trunk-connect facilities, including but not limited to the connection between trunk termination at a cross-connect panel and a switch trunk card,

9.2.6.4.1.2 the basic switching function of connecting trunks to trunks; and

9.2.6.4.1.3 all technically feasible functions that are centralized in 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.

9.2.6.4.2 The charges for Tandem Switching are reflected in the **Pricing Schedule**.

9.2.6.4.3 Technical Requirements

9.2.6.4.3.1 Tandem Switching shall have the same capabilities or equivalent capabilities as those described in Telcordia TR-TSY-000540 Issue 2R2, Tandem Supplement, 6/1/90. Where a capability is desired by AT&T but is not specified by this TR, is not currently deployed in the SBC-AMERITECH Tandem (as a switch vendor orderable feature), or is not specifically identified in this **Schedule 9.2.6**, SBC-AMERITECH will work with AT&T to reasonably implement such a custom request using the BFR process. As described in this TR, the requirements for Tandem Switching include, but are not limited to the following:

9.2.6.4.3.1.1 Tandem Switching shall provide signaling including MF, SS7 and any signaling conversions between these signaling formats to establish a tandem connection;

9.2.6.4.3.1.2 Tandem Switching shall provide screening and routing. Requests for screening or routing not currently deployed in the SBC-AMERITECH Tandem will be provided, where technically feasible, in accordance with the BFR process;

9.2.6.4.3.1.3 Tandem Switching shall provide recording, where available, of billable events as described in the above-cited Tandem Supplement TR;

9.2.6.4.3.1.4 Tandem Switching shall provide access to Toll Free number portability database as described in the above-cited TR and TR-NWT-000533, Issue 3, January 1994, "Database Services Switching Points" Section 3.1.2 ("Access Tandem/SSP" for calls between Equal Access End Offices and the Access Tandem);

9.2.6.4.3.1.5 Tandem Switching (if the Tandem is so equipped) shall accept all trunk interconnections discussed in (Physical Network Interconnection) Section of this Agreement (e.g., SS7, MF, DTMF, DialPulse, PRI-ISDN, DID, and CAMA-ANI (if appropriate for 911)). If the Tandem is not equipped with the capability desired, then AT&T will request such capacity via the BFR process;

9.2.6.4.3.1.6 Tandem Switching shall provide connectivity to transit traffic to and from other carriers as described in **Section 9.2.6.4.3.2**.

9.2.6.4.3.2 Tandem Switching shall accept trunk connections (including the necessary signaling and trunking interconnections) between end offices, other tandems, SBC-AMERITECHs, ICOs, CAPs and CLEC switches.

9.2.6.4.3.3 Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed. Additional signaling information and requirements are provided in the Signaling and Signaling System 7 Sections of this Agreement.

9.2.6.4.3.4 Tandem Switching shall record billable events and send them to the destination supplied by AT&T on the Unbundling Questionnaire. Billing requirements are specified in **Article XXVII** (Billing and Recording) of this Agreement.

9.2.6.4.3.5 SBC-AMERITECH shall perform routine testing and fault isolation on the underlying switch that is providing Tandem Switching and all its interconnections. When requested by AT&T, the results and reports of the testing shall be made immediately available to AT&T.

9.2.6.4.3.6 SBC-AMERITECH shall maintain AT&T's trunks and interconnections associated with Tandem Switching at least at parity to its own trunks and interconnections.

9.2.6.4.3.7 When requested by AT&T, on a case-by-case basis, SBC-AMERITECH shall provide performance data regarding traffic characteristics or other measurable elements to AT&T for review.

9.2.6.4.3.8 Tandem Switching shall control congestion using capabilities such as Automatic Congestion Control and Network Routing Overflow. Congestion control provided or imposed on AT&T traffic shall be at parity with controls being provided or imposed on SBC-AMERITECH traffic (e.g., SBC-AMERITECH shall not block AT&T traffic and leave its traffic unaffected or less affected).

9.2.6.4.3.9 The Local Switching and Tandem Switching functions may be combined in an office. If this is done, both Local Switching and Tandem switching shall provide all of the functionality required of each of those Network Elements in this Agreement.

9.2.6.4.4 Interface Requirements

9.2.6.4.4.1 SBC-AMERITECH shall provide all signaling necessary to provide Tandem Switching (as described in TR-TSY-000540) with no loss of feature functionality.

9.2.6.4.4.2 Tandem Switching shall accept trunks from AT&T's switch for traffic that is transiting via SBC-AMERITECH network to interLATA or intraLATA carriers.

9.2.6.5 Packet Switching.

9.2.6.5.1 Definition. Packet Switching is defined as the packet switching capability network element, as set forth in F.C.C Rule 51.319. Without limiting the foregoing, it includes the following. Packet Switching is defined as the basic packet switching function of routing or forwarding packets, frames, cells or other data units based on address or other routing information contained in the packets, frames, cells or other data units. Packet Switching also includes the Digital Subscriber Line Access Multiplexers (DSLAMs) functionality, including but not limited to:

(i) the ability to terminate copper customer loops (which included both a low band voice channel and a high-band data channel, or solely a data channel);

(ii) the ability to forward the voice channels, if present, to a circuit switch or multiple circuit switches;

(iii) the ability to extract data units from the data channels on the loops, and

(iv) the ability to combine data units from multiple loops onto one or more trunks connecting to a packet switch or packet switches.

9.2.6.5.2 SBC-AMERITECH shall be required to provide nondiscriminatory access to unbundled Packet Switching capability for use with unbundled Loops within the service area of an SBC-AMERITECH central office (a "Service Area") only where each of the following conditions apply:

(i) SBC-AMERITECH has deployed digital loop carrier systems, including but not limited to, integrated digital loop carrier or universal digital loop carrier systems anywhere within such Service Area; or has deployed any other system that does not enable AT&T to obtain a continuous copper facility between the retail customer's premises and SBC-AMERITECH central office; and

(ii) There are no spare copper loops capable of supporting the xDSL services AT&T seeks to offer; and

(iii) SBC-AMERITECH has not permitted a requesting carrier to deploy a Digital Subscriber Line Access Multiplexer (DSLAM) at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has the requesting carrier obtained a virtual collocation arrangement at these subloop interconnection points as defined by 47 CFR 51.319(b); and

(iv) SBC-AMERITECH has deployed packet switching capability for its own use.

9.2.6.5.3 All disputes arising under these provisions shall be resolved in accordance with the Alternative Dispute Resolution process set forth in **Article XXVIII** of this Agreement.

SCHEDULE 9.2.7
INTEROFFICE TRANSMISSION FACILITIES

9.2.7 Interoffice Transmission Facilities. Interoffice Transmission Facilities are SBC-AMERITECH transmission facilities dedicated to AT&T shared by more than one Customer or carrier, used to provide Telecommunications Services between Wire Centers owned by SBC-AMERITECH or AT&T, or between Switches owned by SBC-AMERITECH or AT&T.

9.2.7.1 Shared Transport

9.2.7.1.1 Definition. Shared Transport is defined as set forth in FCC Rule 51.319. Without limiting the foregoing it includes transmission facilities shared by more than one carrier, including SBC-AMERITECH, between end office switches, between end office switches and tandem switches, and between tandem switches in SBC-AMERITECH's network (**illustrated in Figure 1**). Where SBC-AMERITECH Network Elements are connected by intra-office wiring, such wiring is provided as a part of the Network Elements and is not Shared Transport. Shared Transport is purchased in connection with unbundled switching. Shared Transport routes intraLATA calls between SBC-AMERITECH switches using equipment and facilities employed by SBC-AMERITECH to route calls for SBC-AMERITECH's retail customers. The charges for Shared Transport are reflected in the **Pricing Schedule**.

9.2.7.1.1.1 SBC-AMERITECH shall not impose any restrictions on AT&T regarding the use of the unbundled shared transport it purchases from SBC-AMERITECH provided such use does not result in demonstrable harm to either SBC-AMERITECH network or personnel.

9.2.7.1.2 Technical Requirements.

9.2.7.1.2.1 Shared Transport shall, at a minimum, meet the performance requirements including, availability, jitter, and delay requirements specified for Central Office to Central Office ("CO to CO") connections in the applicable industry standard technical references, but in no event less than the quality of service applicable to SBC-AMERITECH's own traffic.

9.2.7.1.2.2 SBC-AMERITECH shall be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Shared Transport.

9.2.7.1.3 Except as otherwise provided in **Section 9.1.2** of **Article IX** of this Agreement, SBC-AMERITECH shall permit AT&T to use shared transport in conjunction with ULS and transit service such that AT&T can utilize SBC-AMERITECH's network to originate or terminate intraLATA calls within SBC-AMERITECH's network or

intraLATA calls to other LECs, CMRS providers, CLECs or IXC's without the need for dedicated transport.

9.2.7.2 Dedicated Transport

9.2.7.2.1 Definition. Dedicated Transport is defined as set forth in FCC Rule 51.319. Without limiting the foregoing it includes an interoffice transmission path between AT&T designated locations of which AT&T is granted exclusive use that provides telecommunications (when facilities exist and are technically feasible) between two Wire Centers or switches owned by SBC-AMERITECH or between a Wire Center or switch owned by SBC-AMERITECH and an AT&T owned or provided switch. Such locations include SBC-AMERITECH central offices or switches or other equipment locations, or AT&T central offices or switches or other equipment locations, other carrier network components, or customer premises. Dedicated Transport shall also include entrance facilities connecting an SBC-AMERITECH serving wire center to any AT&T switch served by that serving wire center. Dedicated Transport can be provided on a switched or non-switched basis as depicted below in Figure 1.



FIGURE 1

9.2.7.2.2 SBC-AMERITECH shall offer Dedicated Transport in any technically feasible manner requested by AT&T with access to such dedicated transport at any technical feasible point.

SBC-AMERITECH agrees that it will provide Dedicated Transport as a point to point circuit to AT&T at the following speeds: DS1, (1.544 Mbps), DS3 (44,736 Mbps), OC3 (155,52 Mbps), OC12 (622,08 Mbps), and OC48 (2488.32 Mbps). SBC-AMERITECH will provide higher speeds to AT&T as they are deployed in the SBC-AMERITECH network.

9.2.7.2.3 Where Dedicated or Shared Transport is provided, it shall include (as appropriate) Multiplexing and DCS Functionality. AT&T may order Multiplexing and/or DCS Functionality as an option in conjunction with the use of dedicated transport. AT&T may order Multiplexing and /or DCS Functionality at the same time as UDT. Multiplexing is an option ordered in conjunction with dedicated transport which converts a circuit from higher to lower bandwidth, or from digital to voice grade.

9.2.7.2.4 When Dedicated Transport is provided it shall include suitable transmission facilities and equipment, operated in parity with SBC-AMERITECH'S normal operations.

9.2.7.2.5. The following optional features are available if requested by AT&T, at an additional cost:

9.2.7.2.5.1 Clear Channel Capability per 1.544 Mbps (DS1) bit stream.

9.2.7.2.5.2 SBC-AMERITECH provided Central office multiplexing:

- (a) DS3 to DS1 multiplexing; and
- (b) DS0 to DS1

9.2.7.2.6 If requested by AT&T, the following are available at additional cost:

9.2.7.2.6.1 1+1 Protection for OC3, OC12 and OC48.

9.2.7.2.6.2 1+1 Protection with Cable Survivability for OC3, OC12 and OC48.

9.2.7.2.6.3 1+1 Protection with Route Survivability for OC3, OC12 and OC48.

9.2.7.3 Technical Requirements

9.2.7.3.1 This Section sets forth technical requirements for all Interoffice Transmission Facilities:

9.2.7.3.1.1 When SBC-AMERITECH provides Dedicated Transport as a circuit, the entire designated transmission facility (e.g., DS1, DS3, and where available, STS-1) shall be dedicated to AT&T designated traffic.

9.2.7.3.1.2 SBC-AMERITECH shall offer Dedicated Transport in all then currently available technologies including DS1 and DS3 transport systems, at all available transmission bit rates, except subrate services, where available. Where SBC-AMERITECH provides unbundled Dedicated Transport via circuits utilizing SONET technology, AT&T may purchase such Dedicated Transport; provided, nothing in this Agreement shall require SBC-AMERITECH to provide access to SONET rings for purposes of unbundled interoffice transport.

9.2.7.3.1.3 For DS1 facilities, 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 technical references set forth under Dedicated and Shared Transport in the **Technical Reference Schedule 2.3**.

9.2.7.3.1.4 For DS3 and, where available, STS-1 facilities and higher rate facilities, 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 technical references set forth under Dedicated and Shared Transport in the **Technical Reference Schedule 2.3**.

9.2.7.3.1.5 When requested by AT&T, Dedicated Transport shall provide physical diversity. Physical diversity means that two circuits are provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits.

9.2.7.3.1.6 When physical diversity is requested by AT&T, Ameritech shall provide the maximum feasible physical separation between intra-office and inter-office transmission paths (unless otherwise agreed by AT&T).

9.2.7.3.1.7 Any request by AT&T for diversity shall be subject to additional charges.

9.2.7.3.1.8 Upon AT&T’s request and its payment of any additional charges, SBC-AMERITECH shall provide immediate and continuous remote access to performance monitoring and alarm data affecting, or potentially affecting, AT&T’s traffic.

9.2.7.3.1.9 SBC-AMERITECH shall offer the following interface transmission rates for Dedicated Transport:

9.2.7.3.1.9.1 DS1 (Extended SuperFrame - ESF, D4, and unframed applications (if used by SBC-AMERITECH));

9.2.7.3.1.9.2 DS3 (C-bit Parity and M13 and unframed applications (if used by SBC-AMERITECH) shall be provided);

9.2.7.3.1.9.3 SONET standard interface rates in accordance with the applicable ANSI technical references set forth under Dedicated and Shared Transport in the **Technical Reference Schedule 2.3**. In particular, where STS-1 is available, VT1.5 based STS-1s will be the interface at an AT&T service node.

9.2.7.4 Digital Cross-Connect System (DCS)

9.2.7.4.1 Definition. DCS is the function that provides electronic cross connection of Digital Signal level 0 (DS0) or higher transmission bit rate digital channels within physical interface facilities. Types of DCS functionality include DCS

1/0s, DCS 3/1s, and DCS 3/3s, where the nomenclature 1/0 denotes interfaces typically at the DS1 rate or greater with cross-connection typically at the DS0 rate. This same nomenclature, at the appropriate rate substitution, extends to the other types of DCS functionality specifically cited as 3/1 and 3/3. Types of DCSs that cross-connect Synchronous Transport Signal level 1 (STS-1s) or other Synchronous Optical Network (SONET) signals (e.g., STS-3) are also DCSs, although not denoted by this same type of nomenclature. DCS may provide the functionality of more than one of the aforementioned DCS types (e.g., DCS 3/3/1 which combines functionality of DCS 3/3 and DCS 3/1). For such DCSs, the requirements will be, at least, the aggregation of requirements on the “component” DCSs. SBC-AMERITECH will offer Digital Cross-Connect System as part of the unbundled dedicated transport element with the same functionality that is offered to interexchange carriers. DCS requested by AT&T shall be subject to additional charges, as set forth in the **Pricing Schedule**.

9.2.7.4.2 SBC-AMERITECH will provide DCS in any technically feasible manner designated by AT&T consistent with FCC rules and applicable state law.

9.2.7.4.3 SBC-AMERITECH will offer reconfiguration service as part of the UDT element with the same functionality that is offered to interexchange carriers or as otherwise agreed to by the Parties. Reconfiguration service requested by AT&T shall be subject to additional charges as outlined in the **Pricing Schedule**.

SCHEDULE 9.2.8
SIGNALING NETWORKS AND CALL-RELATED DATABASES

9.2.8 Signaling Network and Call-Related Databases.

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

9.2.8.2 Technical Requirements.

9.2.8.2.1 STPs shall provide access to all other Network Elements connected to SBC-AMERITECH SS7 network. These include:

9.2.8.2.1.1 SBC-AMERITECH Local Switching or Tandem Switching;

9.2.8.2.1.2 SBC-AMERITECH Service Control Points/Databases;

9.2.8.2.1.3 Third-party local or tandem switching systems; and

9.2.8.2.1.4 Third-party-provided STPs.

9.2.8.2.2 The connectivity provided by SBC-AMERITECH STPs shall support the signaling functionalities of all Network Elements connected to the SBC-AMERITECH SS7 network. This explicitly includes the use of the SBC-AMERITECH SS7 network to convey messages which neither originate nor terminate at a Signaling End Point directly connected to the SBC-AMERITECH SS7 network (i.e., transient messages). When the SBC-AMERITECH SS7 network is used to convey transient messages, there shall be no alteration of the Integrated Services Digital Network User Part (ISDNUP) or Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message.

9.2.8.2.3 If an SBC-AMERITECH Tandem Switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between an AT&T local switch and third party local switch, the SBC-AMERITECH SS7 network shall convey the TCAP messages that are necessary to provide Call Management features (Automatic Callback, Automatic Recall, and Screening List Editing) between the AT&T 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 the SBC-AMERITECH STPs, based upon the routing instruction provided in each message.

9.2.8.2.4 STPs shall provide all functions of the MTP as specified in

ANSI T1.111. This includes:

9.2.8.2.4.1 Signaling Data Link functions, as specified in ANSI
T1.111.2:

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

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

9.2.8.2.5 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. In cases where the destination signaling point is an SBC-AMERITECH local or tandem switching system or database, or is an AT&T or third party local or tandem switching system directly connected to the SBC-AMERITECH SS7 network, STPs shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, STPs shall perform intermediate GTT of messages to a gateway pair of STPs in an SS7 network connected with the SBC-AMERITECH SS7 network, and shall not perform SCCP Subsystem Management of the destination.

9.2.8.2.6 STPs shall also provide the capability to route SCCP messages based on ISNI, as specified in ANSI T1.118, when this capability becomes available on SBC-AMERITECH STPs.

9.2.8.2.7 Signaling Transfer Points (STPs)

9.2.8.2.7.1 The STP element is a signaling network function that includes all of the capabilities provided by the STP switches which enable the exchange of SS7 messages between switching elements, database elements and signaling transfer point switches via associated signaling links. STP includes the associated link interfaces.

9.2.8.2.7.2 SS7 Transport will apply to SS7 messages transported on behalf of AT&T from a SBC-AMERITECH designated STP pair to a SBC-AMERITECH STP pair located in a different LATA. In SBC-AMERITECH this arrangement will only be provided for STPs located in the same state. The Signal Switching and Signal Transport rates will apply to ISUP and TCAP messages.

9.2.8.2.7.3 In such instance as AT&T utilizes SBC-AMERITECH's Local Switching Network Element, AT&T does not separately order SS7 signaling under this method. AT&T will be charged for the use of the SBC-AMERITECH SS7 signaling on a per call basis.

9.2.8.2.8 STP Technical Requirements

9.2.8.2.8.1 STPs will provide signaling connectivity to the following network elements connected to the SBC-AMERITECH SS7 network: SBC-AMERITECH Local Switching or Tandem Switching; SBC-AMERITECH Service Control Points/Call Related Databases; Third-Party local or tandem switching systems; and Third-party-provided STPs.

9.2.8.2.8.2 The Parties will indicate to each other the signaling point codes and other screening parameters associated with each Link Set ordered by AT&T at the SBC-AMERITECH STPs, and where technically feasible, each Party will provision such link set in accordance with these parameters. AT&T may specify screening parameters so as to allow transient messages to cross the SBC-AMERITECH SS7 Network. The Parties will identify to each other the GTT type information for message routing. AT&T will pay a non-recurring charge when AT&T requests SBC-AMERITECH add GTT type information for message routing, in connection with its use of unbundled signaling.

9.2.8.2.9 Interface Requirements

9.2.8.2.9.1 SBC-AMERITECH will provide STP interfaces to terminate A-links, B-links, and D-links.

9.2.8.2.9.2 AT&T will designate the SPOI for each link. AT&T will provide a DS1 or higher rate transport interface at each SPOI. SBC-AMERITECH will provide intraoffice diversity to the same extent it provides itself such diversity between the SPOIs and the SBC-AMERITECH STPs.

9.2.8.2.9.3 SBC-AMERITECH will provide intra-office diversity to the same extent it provides itself such diversity between the SPOIs and the SBC-AMERITECH STPs.

9.2.8.2.10 STPs shall provide all functions of the OMAP commonly provided by STPSs. This includes:

9.2.8.2.10.1 MTP Routing Verification Test (MRVT); and

9.2.8.2.10.2 SCCP Routing Verification Test (SRVT).

9.2.8.2.11 In cases where the destination signaling point is an SBC-AMERITECH local or tandem switching system or database, or is an AT&T or third party local or tandem switching system directly connected to the SBC-AMERITECH 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 STPSs in an SS7 network connected with the SBC-AMERITECH SS7 network. This requirement shall be superseded

by the specifications for Internetwork MRVT and SRVT if and when these become approved ANSI standards and available capabilities of SBC-AMERITECH STPs.

9.2.8.2.12 STPs shall operate in accordance with the following requirements:

9.2.8.2.12.1 MTP Performance, as specified in ANSI T1.111.6; and

9.2.8.2.12.2 SCCP Performance, as specified in ANSI T1.112.5.

9.2.8.3 SS7 Transport.

9.2.8.3.1 Definition. Signaling Link Transport is a set of two (2) or four (4) dedicated 56 Kbps circuits between AT&T-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity.

9.2.8.3.2 In SBC-AMERITECH, due to the fact that state gateway STPs are not interconnected, SS7 Transport provides for the routing and screening of SS7 messages from a SBC-AMERITECH pair of designated Gateway STPs (i.e., a mated pair) to another SBC-AMERITECH pair of STPs within the same state only. The screening of messages provides for AT&T designation of signaling points associated with AT&T and controls which messages may be allowed by the SBC-AMERITECH STP pairs. The routing of messages provides for the transfer of a complete message between signaling links, and for a Global Title Translation (GTT) of the message address, if needed.

9.2.8.3.3 SS7 Transport provides routing of messages for all parts of the SS7 protocol. These messages may support other applications and services such as, for example, CLASS services, Message Waiting services, Toll Free Database services, Line Information Data Base (LIDB) Services, Calling Name (CNAM) Database services, Advanced Intelligent Network (AIN) services and Telecommunications Industry Association Interim Standard-41 (IS-41) services. SS7 Transport will route messages to the global title address or to the signaling point code address of the message based on the translation information of SBC-AMERITECH's STP.

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

- a) 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
- b) No two (2) concurrent failures of facilities or equipment shall cause the failure of all four (4) links in a D-link layer (i.e., the links should be provided on a minimum of three (3) separate physical paths end-to-end).

9.2.8.4 Dedicated Signaling Links.

9.2.8.4.1 Each signaling link is a set of dedicated 56Kbps (or higher speed) circuits between AT&T STPs or switches and the SBC-AMERITECH STP mated pair. The AT&T designated Signaling Points of Interconnection (SPOI) are always collocated in the SBC-AMERITECH STP serving office. This means of collocation is required in the SBC-AMERITECH for access to the SBC-AMERITECH STP. The links are fully dedicated to the use of AT&T and provide the screening and routing usage for the SBC-AMERITECH STP to which the link is connected. Dedicated Signaling Links are available to AT&T for its use in furnishing SS7-based services or applications to their end users or other users of SS7 signaling information.

9.2.8.4.2 Dedicated Signaling Links include the following elements:

9.2.8.4.2.1 SS7 Link Cross Connect. The SS7 Link Cross Connect provides a DS-0 or DS1 connection in the SBC-AMERITECH STP building and connects the STP Port Termination to the AT&T SPOI.

9.2.8.4.2.2 STP Port Termination. The STP Port Termination is the physical termination of the signaling link (i.e. 56 kbps circuit) at a SBC-AMERITECH STP. A STP Port Termination is used for each 56 kbps SS7 Link Cross Connect terminated at a SBC-AMERITECH STP.

9.2.8.4.2.3 STP Access Link. The STP Access Link provides a 56-kilobit per second digital facility when AT&T requires an interoffice facility to connect from the AT&T SPOI to the STP location.

9.2.8.4.3 AT&T shall provide the portion of the signaling link from the AT&T premises within the LATA to the SBC-AMERITECH STP location or the AT&T SPOI. AT&T shall identify the DS1 or channel of a DS1 that will be used for the signaling link.

9.2.8.4.4 AT&T shall identify to SBC-AMERITECH the facility and channel to which the SS7 Link Cross Connect shall connect. If the facility does not terminate in the STP location SBC-AMERITECH shall provide a transport facility referred to as the STP Access Link. The STP Access Link will connect to the DS-0 cross connect at the STP location.

9.2.8.4.5 When AT&T uses an alternative DS1 facility or arranges, or agrees to allow, a physical degree of diversity or performance that is not in accordance with the specifications of Telcordia technical publication, GR-905-CORE, AT&T acknowledges that the performance and reliability of the SS7 protocol may be affected and the performance and reliability standards described in GR-905-CORE may be disqualified.

9.2.8.4.6 Dedicated Signaling Links are subject to SBC-AMERITECH compatibility testing and certification requirements pursuant to the Network Operations Forum Reference Document, GR-905-CORE.

9.2.8.4.7 Technical Requirements.

9.2.8.4.7.1 Dedicated Signaling Link shall consist of full duplex mode 56 Kbps transmission paths.

9.2.8.4.7.2 Dedicated Signaling Link shall perform in the following two (2) ways:

- a) As an “A-link” which is a connection between a switch or SCP and a Signaling Transfer Point Switch (STPS) pair; and
- b) As a “D-link” which is a connection between two (2) STP mated pairs in different company networks (e.g., between two (2) STPS pairs for two Competitive Local Exchange Carriers (CLECs)).

9.2.8.4.7.3 When AT&T provides its own switch or STP, AT&T will provide DS1 (1.544 Mbps) interfaces at the AT&T-designated SPOIs. DS1 transport to the SPOI can be provided for, as previously indicated, via existing transport facilities, AT&T-provided facilities or through AT&T purchase of an SBC-AMERITECH dedicated transport facility, previously referred to as the “Access Connection”. Each 56 Kbps transmission path will appear as a DS0 channel on the DS1 interface.

9.2.8.4.7.4 In each LATA in which AT&T desires Dedicated Signaling Links for interconnection to the SBC-AMERITECH SS7 Signaling Network, AT&T may purchase dedicated signaling links to each STP of a mated pair of STPs.

9.2.8.4.7.5 AT&T assumes the responsibility to ensure diverse routing of AT&T signaling links from AT&T switch to AT&T SPOI. SBC- AMERITECH will provide the same amount of diversity as it provides to itself in terms of diverse routing of interoffice facilities, should such facilities be necessary.

9.2.8.4.7.6 When AT&T requests that SBC-AMERITECH add a Signaling Point Code (SPC), AT&T will identify to SBC-AMERITECH the SPCs associated with the AT&T set of links and will pay a non-recurring charge per STP pair at the rates set forth in the **Pricing Schedule** (UNE pricing - “Point Code Addition”).

9.2.8.4.7.7 AT&T will notify SBC-AMERITECH in writing thirty (30) days in advance of any material change in AT&T’s use of such SS7 signaling network, including but not limited to any change in AT&T SS7 Dedicated Signaling Links, SS7 Transport and/or STP.

9.2.8.4.7.8 Interface Requirements. There shall be a DS1 (1.544 Mbps) interface at the AT&T-designated SPOI. Each 56 Kbps circuit shall appear as a DS0 channel within the DS1 interface.

9.2.8.5 Manner of Provisioning.

9.2.8.5.1 The following describes the manner of provisioning for SS7 services. Each Party will work cooperatively with the other Party and will each provide knowledgeable personnel in order to provision, test and install SS7 Service in a timely fashion.

9.2.8.5.2 SS7 Transport

9.2.8.5.2.1 AT&T shall use SS7 Transport subject to the screening and routing information of the SBC-AMERITECH STPs, as provided in this **Section 9.8.5.2.1**. SBC-AMERITECH shall provide information to AT&T on the routes and signaling point codes served by the SBC-AMERITECH STPs. SS7 Transport shall route ISUP messages for the purpose of establishing trunk voice paths between switching machines.

9.2.8.5.2.2 SS7 Transport shall route TCAP queries when feasible pursuant to the SS7 Protocol to the SBC-AMERITECH “regional” STP pair that directly serves the database of TCAP message. SS7 Transport shall route TCAP responses from a SBC-AMERITECH “regional” STP pair to another SBC-AMERITECH STP pair.

9.2.8.5.2.3 SS7 Transport provides a signaling route for messages only to signaling points to which SBC-AMERITECH has a route. SS7 Transport does not include the provision of a signaling route to every possible signaling point. When SBC-AMERITECH does establish a route to a signaling point in a mated pair of STPs, the route may not be available to other SBC-AMERITECH pairs of STPs, until ordered. When SBC-AMERITECH or AT&T, pursuant to a service order, arranges to establish a route to a signaling point, such route to the other signaling point or other signaling network will be used by all signaling points within, and connected to, the SBC-AMERITECH signaling network pursuant to the standard requirements of the SS7 protocol.

9.2.8.5.3 Disputes concerning the association of a signaling point among specific link sets associated with a SBC-AMERITECH mated STP will be resolved by consultation with the signaling point owner, as defined in the Local Exchange Routing Guide (LERG), Section 1, assignment of SPC.

9.2.8.5.4 Dedicated Signaling Links

9.2.8.5.4.1 AT&T shall designate the signaling points and signaling point codes associated with AT&T. AT&T shall provide such information to

SBC-AMERITECH to allow SBC-AMERITECH to translate SBC-AMERITECH STPs. The information shall define the screening and routing information for the signaling point codes of AT&T and may include global title address, translation type and subsystem designations as needed.

9.2.8.5.4.2 Signaling links from SBC-AMERITECH mated pairs of STPs shall connect to AT&T premises (including collocation locations) within the same LATA. A set of links can be either:

9.2.8.5.4.2.1 "A" Link Sets from AT&T's Signaling Point (SP)/Service Switching Point (SSP). A minimum of two links will be required, one from the SP/SSP to each STP; or,

9.2.8.5.4.2.2 "B" Link Sets from AT&T's STPs that are connected to SBC-AMERITECH 's mated pair of STPs. A minimum of four links will be required (i.e. a "quad") between the two pairs of STPs. (This same arrangement is sometimes referred to as a set of "D" links.)

9.2.8.5.4.3 A STP Port Termination and SS7 Link Cross Connect is required for each 56-kbps access link utilized for the Service. STP locations are set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff FCC No. 4.

9.2.8.5.4.4 A pre-order meeting will define the SBC-AMERITECH facility availability and the degree of diversity in both the SBC-AMERITECH physical network and the AT&T physical network from signaling point to signaling point for the link.

9.2.8.5.4.5 All applicable signaling point codes for each signaling link must be installed at each of SBC-AMERITECH's interconnecting STPs.

9.2.8.5.4.6 Call set-up times may be adversely affected when AT&T, using SS7 signaling, employs Intermediate Access Tandems (IATs) in its network. SBC-AMERITECH makes no warranties with respect to call set-up times when multiple STP pairs are involved or when the signaling traffic is exchanged between two non-SBC-AMERITECH signaling points.

9.2.8.5.5 Use of the STP. When AT&T orders SBC-AMERITECH unbundled Local Switching, the use of the STP shall apply. No order or provisioning by AT&T is needed. The SBC-AMERITECH Local Switch will use the SBC-AMERITECH SS7 signaling network.

9.2.8.6 Responsibilities of SBC-AMERITECH.

9.2.8.6.1 SBC-AMERITECH shall manage the network and, at its sole discretion, apply protective controls; provided that SBC-AMERITECH- promptly notify

AT&T of the application of such controls. Protective controls include actions taken to control or minimize the effect of network failures or occurrences, which include, but are not limited to, failure or overload of SBC-AMERITECH or AT&T facilities, natural disasters, mass calling or national security demands.

9.2.8.6.2 SBC-AMERITECH shall determine the GTT route for messages routed to GTT, which are associated with SBC-AMERITECH signaling points.

9.2.8.6.3 SBC-AMERITECH shall define regional functions and local functions of its STPs. SBC-AMERITECH will route ISUP messages within the SBC-AMERITECH signaling network, subject to technical feasibility. Capacity limitations shall define a temporary technical infeasibility until the capacity limit can be resolved.

9.2.8.6.4 SBC-AMERITECH shall route messages generated by the action of AT&T throughout the SBC-AMERITECH signaling network as specified within this Schedule. The content of the messages is for the use of signaling points of origination and destination. SBC-AMERITECH will not use any information within messages for any purpose not required by or related to the use of the SBC-AMERITECH signaling network. SBC-AMERITECH will not divulge any message or any part of messages generated by AT&T to any other party, except as required to manage the SBC-AMERITECH signaling network or as may be required by law.

9.2.8.7 Responsibilities of AT&T.

9.2.8.7.1 AT&T shall provision the signaling links at AT&T's premises and from AT&T's premises to SBC-AMERITECH's STP location in a diverse, reliable and technically feasible manner. AT&T shall identify to SBC-AMERITECH the SPC(s) associated with the AT&T set of links.

9.2.8.7.2 AT&T shall identify to SBC-AMERITECH the GTT information for messages that route to AT&T.

9.2.8.7.3 When routing messages addressed to an SBC-AMERITECH Subsystem Number (SSN), AT&T shall use the SBC-AMERITECH defined SSN designation of the SBC-AMERITECH mated STP pair to which the message is routed.

9.2.8.7.4 AT&T shall transfer Calling Party Number Parameter information unchanged, including the "privacy indicator" information, when ISUP Initial Address Messages are interchanged with the SBC-AMERITECH signaling network.

9.2.8.7.5 AT&T shall furnish to SBC-AMERITECH, at the time the SS7 Service is ordered and annually thereafter, an updated three (3) year forecast of usage of the SS7 Signaling network. The forecast shall include total annual volume and busy hour busy month volume. SBC-AMERITECH shall utilize the forecast in its own efforts to project further facility requirements.

9.2.8.7.6 AT&T shall inform SBC-AMERITECH in writing thirty (30) days in advance of any change in AT&T's use of such SS7 Service which alters by ten percent (10%) for any thirty (30) day period the volume of signaling transactions by individual SS7 service that are planned by AT&T to be forwarded to SBC-AMERITECH's network. AT&T shall provide in said notice the reason, by individual SS7 service, for the volume change.

9.2.8.8 Description of Rate Elements SBC-AMERITECH.

9.2.8.8.1 There are three types of charges that apply for SS7 Access. They are recurring, usage and nonrecurring charges. Recurring and nonrecurring charges apply for each port that is established on a STP. Usage charges apply for each Initial Address Message (IAM) or TCAP (excluding LIDB Access Service, 800 Access Service TCAP messages and LNP Database Access Query TCAP messages) message that is switched by the local STP and transported to an SBC-AMERITECH end office or for each IAM and TCAP message that is switched by the local STP in a hubbing arrangement.

9.2.8.8.2 Nonrecurring charges apply for the establishment of Originating Point Codes (OPC) and Global Title Address (GTA) Translations. An OPC charge applies for each OPC established, as well as each OPC added or changed subsequent to the establishment of STP Access. The OPC charge applies on a per service basis. A GTA Translation charge applies for each service or application (excluding LIDB Access Service and 800 Carrier-ID-Only Service) that utilizes TCAP messages. A GTA Translation charge also applies for each service (excluding LIDB Access Service and 800 Carrier-ID-Only Service) added or changed subsequent to the initial establishment of STP Access.

9.2.8.8.3 Signal Formulation. An IAM Formulation usage charge will be assessed for each IAM message formulated at the SBC-AMERITECH tandem for AT&T to SBC-AMERITECH terminated calls.

9.2.8.8.4 Signal Transport. An IAM Signal Transport usage charge will also be assessed for each IAM message that is transported from the local STP to the SBC-AMERITECH end office for terminating traffic. A TCAP Signal Transport usage charge will be assessed for each TCAP message that is transported from the local STP to the SBC-AMERITECH end office (excluding LIDB and 800 Access Service).

9.2.8.8.5 Signal Switching. An IAM Signal Switching usage charge will be assessed for each IAM message that is switched by the local STP for each IAM messages that is switched for direct routed terminating traffic. A TCAP Signal Switching usage charge will be assessed for each TCAP message that is switched by the local STP termination of non-call associated signaling messages (excluding LIDB and 800 Access Service).

9.2.8.8.6 Signal Tandem Switching. An IAM Signal Tandem Switching usage charge will be assessed for an IAM message that is switched by an SBC-AMERITECH STP and transported to an end office for tandem routed terminating traffic. When Signal Tandem Switching usage charges are assessed, Signal Switching and Signal Transport charges do not apply, except for SS7 Transport.

9.2.8.9 Database Services.

9.2.8.9.1 Definition. Call related databases are defined as set forth in FCC Rule 51.319. Without limiting the foregoing it includes Call related Network Elements that provide the functionality for storage of, and access to, information required to route and complete a particular call. Call related databases include LIDB, CNAM, toll free number database, and AIN databases.

9.2.8.9.2 Technical Requirements for Call Related Databases.

9.2.8.9.2.1 Requirements for call related databases within this section address storage of information, access to information (e.g., signaling protocols, response times), and administration of information (e.g., provisioning, administration, and maintenance). All call related databases shall be provided to AT&T in accordance with the following requirements, except where such a requirement is superseded by specific requirements set forth in **Sections 9.2.8.9.2.3** through **9.2.8.9.2.5** below:

9.2.8.9.2.2 SBC-AMERITECH shall provide physical interconnection to SCPs through the SS7 network and protocols, as specified in **Section 9.2.8.3** (Signaling and Signaling System 7) of this Agreement, with TCAP as the application layer protocol.

9.2.8.9.2.3 SBC-AMERITECH shall provide physical interconnection to databases via existing interfaces and industry standard interfaces and protocols.

9.2.8.9.2.4 The reliability of interconnection options shall be consistent with requirements for diversity and survivability as specified in the industry standard technical reference (which applies to both SS7 and non-SS7 interfaces).

9.2.8.9.2.5 Call related database functionality shall be available at parity.

9.2.8.9.2.6 SBC-AMERITECH shall complete database transactions (i.e., add, modify, delete) for AT&T subscriber records stored in SBC-AMERITECH databases at parity through the processes set forth in **Article XXXIII** (Operations Support Systems) of this Agreement.

9.2.8.9.2.7 SBC-AMERITECH shall provide database maintenance consistent with the maintenance requirements set forth in **Article III** (Interconnection) of this Agreement.

9.2.8.9.2.8 SBC-AMERITECH shall provide billing and recording information to track database usage consistent with connectivity billing and recording requirements for call related databases as specified in **Article XXVII** (Billing) of this Agreement (e.g., recorded message format and content, timeliness of feed, data format and transmission medium).

9.2.8.9.2.9 SBC-AMERITECH shall provide call related databases in accordance with the physical security requirements set forth in **Article VI** (Network Security) of this Agreement.

9.2.8.9.3 Toll Free Routing Service.

9.2.8.9.3.1 The Toll Free Routing Service provides for the identification of the carrier to whom a call is to be routed when a toll-free (1+800-NXX-XXXX or 1+888-NXX-XXXX) call is originated by Customer. This function uses the dialed digits to identify the appropriate carrier and is done by screening the full ten digits of the dialed number. The Toll Free Routing Service may be provided in conjunction with a Customer's InterLATA or IntraLATA Switched Exchange Access Service.

9.2.8.9.3.2 When Toll Free Routing Service is provided, an originating call is suspended at the first switching office equipped with a Service Switching Point (SSP) component of the SSC/SS7 Network. The SSP launches a query over signaling links (A-links) to the Signal Transfer Point (STP), and from there to the SCP. The SCP returns a message containing the identification of the carrier to whom the call should be routed and the call is processed.

9.2.8.9.3.3 SBC-AMERITECH SS7 network is used to transport the query to the SBC-AMERITECH SSP then to the SBC-AMERITECH SCP. Once AT&T's identification is provided, AT&T may use the information to route the toll-free traffic over its network. In these cases, SBC-AMERITECH Switched Access services are not used to deliver a call to AT&T. The toll-free carrier ID data may not be stored for AT&T's future use.

9.2.8.9.4 Routing Options. In addition to the toll-free service offerings, new routing options are offered. These options are purchased by toll-free service providers to allow their clients to define complex routing requirements on their toll-free service. Toll-free routing options allow the service provider's Customer to route its toll-free calls to alternate carriers and/or destinations based on time of day, day of week, specific dates or other criteria. These routing options are in addition to the basic toll-free call routing requirements which would include the toll-free number, the intraLATA carrier, the interLATA carrier and the Area of Service (AOS).

9.2.8.9.5 Carrier Identification. AT&T may choose the 800 Carrier Identification service to obtain toll-free number screening. With this service, AT&T will launch a query to the SBC-AMERITECH database using its own Service Switching Points (SSPs) network. In contrast to the Call Routing Service described in **Section 9.2.8.9.3** above, with the 800 Carrier Identification service, no routing is performed.

9.2.8.9.6 Number Administration. AT&T, at its option, may elect to use SBC-AMERITECH's toll-free Service which includes toll-free Number Administration Service (NAS). With this service, SBC-AMERITECH will perform the Responsible Organization service, which involves interacting with the national Service Management System (SMS/800), on behalf of the Customer. Responsible Organization services include activating, deactivating and maintaining 800/888 number records as well as trouble referral and clearance. If AT&T does not select NAS, AT&T will perform the Responsible Organization service.

9.2.8.10 LIDB Database Service.

9.2.8.10.1 LIDB is a transaction-oriented database system that functions as a centralized repository for data storage and retrieval. LIDB is accessible through CCS networks. LIDB contains records associated with End User line numbers and special billing numbers. LIDB accepts queries from other network elements and AT&T's network, and provides return result, return error, and return reject responses as appropriate. Examples of information that Owners might store in LIDB and in their Line Records are: ABS Validation Data, Originating Line Number Screening (OLNS) data, and ZIP Code data. The query originator need not be the owner of LIDB data. LIDB also interfaces to administrative systems.

9.2.8.10.2 LIDB Service provides AT&T with certain line information that AT&T may use to facilitate completion of calls or services. SBC-AMERITECH provides LIDB Service Validation and Originating Line Number Screening (OLNS) Queries pursuant to the terms and conditions specified in Tariff FCC No. 2

9.2.8.11 Calling Card Validation.

9.2.8.11.1 SBC-AMERITECH shall permit AT&T to access SBC-SBC-AMERITECH's LIDB to validate calling card numbers and requests for bill-to-third party or collect billing. SBC-AMERITECH shall provide LIDB access in a non-discriminatory manner by a SS7 formatted data query to determine the validity of the billing method requested by the caller.

9.2.8.11.2 Technical Requirements.

9.2.8.11.2.1 SBC-AMERITECH shall enable AT&T to store in SBC-AMERITECH's LIDB any subscriber line number or special billing number record,

whether ported or not, for which the NPA-NXX or NXX-0/LXX group is supported by that LIDB.

9.2.8.11.2.2 SBC-AMERITECH shall perform the following LIDB functions for AT&T's subscriber records in LIDB:

9.2.8.11.2.2.1 Billed number screening (provides information such as whether the billed number may accept collect or third number billing calls); and

9.2.8.11.2.2.2 Calling card validation.

9.2.8.11.2.3 SBC-AMERITECH shall provide AT&T with nondiscriminatory access to LIDB functionality including but not limited to rates of operating deficiencies.

9.2.8.11.2.4 SBC-AMERITECH shall provide priority updates to LIDB for AT&T data upon AT&T's request to support fraud protection as set forth in **Article VI** (Fraud Control, Network Security and Law Enforcement) of this Agreement.

9.2.8.12 Calling Name Delivery Service.

9.2.8.12.1 Caller ID identifies a calling party's telephone number through a switch-based feature installed in SBC-AMERITECH's Central Office. CNDS is a CCIS/SS7 network based feature that accesses a CNDS database within the LIDB to provide a name associated with the calling party's telephone number. This service is provided using TR1188 protocol.

9.2.8.12.2 A Customer who subscribes to Caller ID with Name may see the listed name associated with the calling party's telephone line displayed on his/her Caller ID display unit. The telephone number associated with the telephone line of the calling party will also be displayed.

9.2.8.12.3 SBC- AMERITECH shall charge AT&T for the CNAM Query as set forth in the **Pricing Schedule**.

9.2.8.12.4 The signaling interface between the AT&T or other local switch and the toll free number database shall use the TCAP protocol as specified in **Section 9.2.8.3** (SS7 Transport) of this Schedule.

9.2.8.13 Price and Payment.

9.2.8.13.1 AT&T will pay SBC-AMERITECH a per-Query rate for each Query initiated into SBC-AMERITECH's LIDB and/or CNAM Database. AT&T will also pay SBC-AMERITECH a per-Query Transport Rate for each Validation and

OLNS Query initiated into SBC-AMERITECH's LIDB. These rates are set forth in **Pricing Schedule**.

9.2.8.13.2 AT&T will pay a Service Establishment Nonrecurring Charge for each point code AT&T requests to activate, change, rearrange, or modify for its LIDB Service and/or CNAM Query. These rates are set forth in the **Pricing Schedule**. This nonrecurring charge applies per point code.

9.2.8.13.3 AT&T will also pay a Service Order Nonrecurring Charge for each request for service order activity to establish, change, rearrange, or modify LIDB Service, LIDB Service Application, and/or CNAM Query. The Service Order Nonrecurring Charge is set forth in the **Pricing Schedule**.

9.2.8.13.4 AT&T will make payment to SBC- AMERITECH for LIDB and/or CNAM Database Service based upon the rates set forth in the **Pricing Schedule**. All tariffed rates associated with LIDB and/or CNAM Database Services provided hereunder are subject to change effective with any revisions of such tariffs.

9.2.8.13.5 SBC-AMERITECH will record usage information for AT&T's LIDB and/or CNAM Database Service Queries terminating to SBC-AMERITECH's LIDB. SBC-AMERITECH will use its SCPs as the source of usage data.

9.2.8.13.6 If there is a dispute associated with a monthly bill, the disputing Party will notify the other in writing within ninety (90) calendar days of the date of said monthly bill or the dispute shall be waived. Each Party agrees that any amount of any monthly bill that that Party disputes will be addressed as set forth in **Article XXVII** of this Agreement.

9.2.8.13.7 AT&T will notify SBC-AMERITECH when AT&T discontinues use of an OPC used to Query LIDB and/or CNAM Database.

9.2.8.13.8 SBC-AMERITECH will apply all applicable Nonrecurring Charges to changes in previously established OPCs (other than disconnects of OPCs) as set forth in **Sections 9.2.8.13.2** and **9.2.8.13.3**.

9.2.8.13.9 Both Parties understand and agree that when AT&T uses a single OPC to originate Queries to SBC-AMERITECH's LIDB and/or CNAM Database, neither Party can identify to the other, at the time the Query and/or Response takes place, when such Queries support AT&T's AT&T operations within SBC-AMERITECH's incumbent serving areas and when such Queries support other uses of AT&T's service platforms.

9.2.8.13.10 If AT&T operates in more than one (1) State in SBC-AMERITECH's incumbent region(s), SBC-AMERITECH will apply company-level rates to the LIDB and/or CNAM Database Services provided to AT&T under this Agreement.

SBC-AMERITECH will develop these company-level rates based upon the rates established in the relevant States in its incumbent region and an analysis of comparative usage of each state's LIDB and/or CNAM Database information.

9.2.8.14 Ownership of Information.

9.2.8.14.1 Telecommunications companies depositing information in SBC-AMERITECH's LIDB (i.e., Data Owners) retain full and complete ownership and control over such information. AT&T obtains no ownership interest by virtue of this Schedule.

9.2.8.14.2 Unless expressly authorized in writing by parties, AT&T will not use LIDB Service for purposes other than those described in this Schedule. AT&T may use LIDB Service for such authorized purposes only on a call-by-call basis. Data accessed on LIDB may not be stored by AT&T elsewhere for future use.

9.2.8.14.3 Proprietary information residing in SBC- AMERITECH's LIDB is protected from unauthorized access and AT&T may not store such information in any table or database for any reason. All information that is related to alternate billing service is proprietary. Examples of proprietary information are as follows:

Number	9.2.8.14.3.1 Billed (Line/Regional Accounting Office (RAO))
	9.2.8.14.3.2 PIN Number(s)
	9.2.8.14.3.3 Billed Number Screening (BNS) indicators
Equipment)	9.2.8.14.3.4 Class of Service (also referred to as Service or
	9.2.8.14.3.5 Reports on LIDB usage
	9.2.8.14.3.6 Information related to billing for LIDB usage
	9.2.8.14.3.7 LIDB usage statistics

9.2.8.14.4 AT&T will not copy, store, maintain, or create any table or database of any kind based upon information it received in a Response from SBC-AMERITECH's LIDB.

9.2.8.14.5 If AT&T acts on behalf of other carriers, AT&T will prohibit its Query-originating carrier customers from copying, storing, maintaining, or creating any table or database of any kind based upon information they receive in a Response from SBC-AMERITECH's LIDB.

9.2.8.15 Limitation of Liability.

9.2.8.15.1 Notwithstanding the limitation of liability in **Article XXVI** or any other provision of this contract, in the event of fraud associated with an AT&T End User's account, including 1+ IntraLATA toll, ported numbers and Alternatively Billed Service (ABS), where AT&T is harmed by the unauthorized acts of an SBC-AMERITECH employee for which SBC-AMERITECH is responsible, the Parties agree that SBC-AMERITECH's liability, if any, along with damages, if any, should be determined based upon the facts related to the incident. Otherwise, a Party's sole and exclusive remedy against the other Party for injury, loss or damage caused by or arising from anything said, omitted or done in connection with this Schedule regardless of the form of action, whether in contract or in tort (including negligence or strict liability) shall be the amount of actual direct damages. Further, SBC-AMERITECH shall not be liable for the unauthorized use of LIDB/CNAM database information by LIDB and/or CNAM Database Service Purchasers, except when caused by the unauthorized acts of an SBC-AMERITECH employee, under circumstances described in the first sentence, above.

9.2.8.15.2 The remedies as set forth above in this Schedule shall be exclusive of all other remedies against a Party, its affiliates, subsidiaries or parent corporation, (including their directors, officers, employees or agents).

9.2.8.15.3 Notwithstanding the limitation of liability in **Article XXVI** or any other provision of this contract, any liability for damages for LIDB/CNAM database outages or inaccessibility shall not exceed actual direct damages. Further, in no event shall SBC-AMERITECH have any liability for losses arising from the unauthorized use of the data by LIDB or CNAM Database Service purchasers, except when caused by the unauthorized acts of an SBC-AMERITECH employee, which shall be determined on a case-by-case basis.

9.2.8.15.4 SBC-AMERITECH is furnishing access to its LIDB and/or CNAM Database to facilitate AT&T's provision of services to its End Users, but not to insure against the risk of non-completion of any call. While SBC-AMERITECH agrees to make every reasonable attempt to provide accurate LIDB and/or CNAM Database information, the Parties acknowledge that Line Record and/or CNAM Database information is the product of routine business service order activity and/or fraud investigations. AT&T acknowledges that SBC-AMERITECH can furnish Line Record and CNAM Database information only as accurate and current as the information has been provided to SBC-AMERITECH for inclusion in its LIDB. Therefore, SBC-AMERITECH, in addition to the limitations of liability set forth, is not liable for inaccuracies in Line Record or CNAM Database information provided to AT&T or to AT&T's Query originating carrier customers except for such inaccuracies caused by SBC-AMERITECH's willful misconduct or gross negligence.

9.2.8.16. Liability Provisions Applicable to Calling Name Information Service.

9.2.8.16.1 Calling name information provided to AT&T by SBC-AMERITECH hereunder shall be provided “as is”. SBC-AMERITECH makes no warranty, express or implied, regarding the accuracy or completeness of the calling name information regardless of whose calling name information is provided. SBC-AMERITECH, in addition to any other limitations of liability set forth in this agreement, shall not be held liable for any liability, claims, damages or actions including attorneys’ fees, resulting directly or indirectly from acts or omissions in connection with AT&T’s or AT&T’s end users’ use of the calling name information.

9.2.8.16.2 AT&T acknowledges that SBC-AMERITECH’s Calling Name Database limits the Calling Name Information length to fifteen (15) characters. As a result, the Calling Name Information provided in a Response to a Query may not reflect a subscriber’s full name. Name records of residential local telephone subscribers will generally be stored in the form of last name followed by first name (separated by a comma or space) to a maximum of fifteen (15) characters. Name records of business local telephone subscribers will generally be stored in the form of the first fifteen (15) characters of the listed business name that in some cases may include abbreviations. AT&T also acknowledges that certain local telephone service subscribers may require their name information to be restricted, altered, or rendered unavailable. Therefore, SBC-AMERITECH, in addition to any other limitations of liability set forth in this Agreement, is not liable for any liability, claims, damages or actions including attorney’s fees, resulting directly or indirectly from the content of any Calling Name Information contained in SBC-AMERITECH’s Calling Name Database and provided to AT&T or AT&T’s query-originating carrier customers, except for such content related claims, damages, or actions resulting from SBC-AMERITECH’s willful misconduct or gross negligence.

9.2.8.16.3 AT&T acknowledges that certain federal and/or state regulations require that local exchange telephone companies make available to their subscribers the ability to block the delivery of their telephone number and/or name information to the terminating telephone when the subscriber originates a telephone call. This blocking can either be on a call-by-call basis or on an every call basis. Similarly, a party utilizing blocking services can unblock on a call-by-call or every call basis.

9.2.8.16.4 AT&T acknowledges its responsibility to, and agrees that it will abide by, the blocking/unblocking information it receives in SS7 protocol during call set-up. AT&T agrees not to attempt to obtain the caller’s name information by originating a Query to SBC-AMERITECH’s Calling Name Database when call set-up information indicates that the caller has requested blocking of the delivery of his or her name and/or number. AT&T also agrees not to block delivery of Calling Name Information on calls from blocked lines when the caller has requested unblocking. Therefore, SBC-AMERITECH, in addition to the limitations of liability set forth in this **Section 9.2.8.16**, is not liable for any failure by AT&T or AT&T’s Query-originating carrier customers to abide by the caller’s desire to block or unblock delivery of Calling Name Information, and AT&T agrees, in addition to any other indemnity obligations set forth in this Agreement,

to hold SBC-AMERITECH harmless from and defend and indemnify SBC-AMERITECH for any and all liability, claims, damages, actions, costs losses, or expenses, including attorney's fees, resulting directly or indirectly from AT&T's or AT&T's Query-originating carrier customers' failure to block or unblock delivery of the Calling Name Information when appropriate indication is provided, except for such privacy-related claims, damages or actions caused by SBC-AMERITECH's willful misconduct or gross negligence.

9.2.8.17 Communication and Notices. Ordering and billing inquiries for the services described herein from SBC-AMERITECH shall be directed to the Local Service Center (LSC).

9.2.8.18 Confidentiality. The Parties' Proprietary Information is subject to the terms and conditions of **Article XX** of this Agreement.

9.2.8.19 Mutuality. AT&T agrees to make its Line Record Information available to SBC-AMERITECH. Should AT&T store its Line Record information in a database other than SBC-AMERITECH's, AT&T will make such Information available to SBC-AMERITECH through an industry standard technical interface and on terms and conditions set forth by applicable tariff or by a separate agreement between SBC-AMERITECH and the database provider. SBC-AMERITECH agrees to negotiate in good faith to reach such an agreement. If SBC-AMERITECH is unable to reach such agreement, chooses not to enter into an agreement with such a database provider, or chooses to discontinue using the services of such database provider, AT&T acknowledges that such AT&T Line Record information will be unavailable to any customer, including any AT&T's customer, that is served by SBC-AMERITECH's service platforms (e.g., Operator Service Systems, Signaling Transfer Points, and/or switches).

9.2.8.20 Unbundled AIN Application Process.

9.2.8.20.1 The AIN architecture establishes a network infrastructure in which subscriber services can be defined and implemented independent from End-Office Switches. This is accomplished by a combination of SS7 signaling, interfaces between Network Elements and call-state models through which AIN Network Elements interact.

9.2.8.20.2 Upon request by AT&T, and where technically feasible, SBC-AMERITECH will provide AT&T with access to SBC-AMERITECH's Advanced Intelligent Network (AIN) platform, AIN Service Creation Environment (SCE) and AIN Service Management System (SMS) based upon ILEC-specific rates, terms, conditions and means of access to be negotiated by the Parties pursuant to Section 252 of the Act, and incorporated into this Agreement by Article, Schedule or amendment, as applicable, subject to approval by the appropriate state Commission.

SCHEDULE 9.3 UNE COMBINING

**For additional terms and conditions, see attached
Appendix to Article IX and Schedule 9.3 - "OHIO EXISTING UNE-
P AND NEW UNE COMBINATIONS AMENDMENT"**

1. INTRODUCTION

1.1 This Schedule 9.3, along with the terms and conditions set forth in the **Appendix to Article 9 and Schedule 9.3 - "Ohio Existing UNE-P and New UNE Combinations Amendment"**, sets forth the terms and conditions which govern the combining activities involving unbundled network elements (UNEs) to be performed by SBC-AMERITECH. SBC-AMERITECH shall provide AT&T access to and AT&T agrees to utilize UNEs and combinations in accordance with effective rules and regulations of the FCC and the Ohio State Commission.

1.2 The terms and conditions contained in this Schedule and the **Appendix to Article 9 and Schedule 9.3 - "Ohio Existing UNE-P and New UNE Combinations Amendment"**, shall supersede any conflicting terms and conditions contained within AT&T's Interconnection Agreement. This Schedule does not create, imply, or otherwise form the basis of any SBC-AMERITECH obligation to unbundle any network element or to engage in any negotiations under 47 U.S.C. §§ 251, 252 or otherwise.

2. GENERAL TERMS AND CONDITIONS

2.1 SBC-AMERITECH shall comply with 47 CFR § 51.315(b) by not separating CLEC-requested UNEs that are currently combined.

2.2 Intentionally left blank.

2.3 Intentionally left blank.

2.4 Unbundled Network Element Platform.

2.4.1 Definition. The Unbundled Network Element Platform (UNE-P) is an end-to-end combination of network elements. The UNE-P includes, Unbundled Loop with the NID or unbundled loop up to the demarcation point, unbundled local switching, with Shared Transport and access to SS7 signaling and Call-Related databases. SBC-AMERITECH provided Operator Services and Directory Assistance (or at AT&T's option customized routing of Operator Services and Directory Assistance) will be provided for UNE-P or ULS at AT&T's request based on the terms and conditions of **Article XXXIV** (OS/DA) of this Agreement.

2.4.2 Features of UNE-P that are required include, but are not limited to:

2.4.2.1 SBC-Ameritech shall maintain and provide records of sufficient detail for UNE-P to enable AT&T billing of its end users and other carriers for all call types (i.e., call details for originating and terminating calls). SBC-AMERITECH will provide the records to AT&T in OBF EMI standard format. The UNE identifier will be included in all EMI records involving unbundled services or elements.

2.4.2.2 UNE-P will not impair or deny AT&T's receipt of toll access revenues or reciprocal compensation associated with UNE-P switch ports that originate and terminate calls;

2.4.2.3 At AT&T's option, SBC-AMERITECH will provision a NAFTA approved AT&T specific LPIC/2PIC where the routing of intraLATA local and toll traffic is involved;

2.4.2.4 Intentionally left blank.

2.4.2.5 Intentionally Left Blank.

2.4.2.6 UNE-P will not require any different pre-ordering processes where migrations to AT&T flow from SBC-AMERITECH or from another CLEC. SBC-AMERITECH will perform such migrations to avoid disruptions that are discernable to the customer, such as lack of dial tone.

2.4.2.7 Intentionally left blank.

2.4.2.8 In those circumstances where AT&T chooses to provide voice mail services from its own delivery platform or from other delivery platforms, SBC-AMERITECH will not require collocation.

SCHEDULE 9.5
PROVISIONING OF NETWORK ELEMENTS

9.5 Provision of Network Elements.

Provision of Network Elements is in accordance with Article XXXIII and Schedule 33.1.

AMENDMENT NO. ____
TO INTERCONNECTION AGREEMENT
By and Between
THE OHIO BELL TELEPHONE COMPANY
d/b/a SBC OHIO
AND
AT&T COMMUNICATIONS OF OHIO, INC.

The Interconnection Agreement, dated February 19, 1997 (“the Agreement”), by and between The Ohio Bell Telephone Company d/b/a SBC Ohio (“SBC Ohio”) and AT&T Communications of Ohio, Inc. (“AT&T”) is hereby amended as follows:

- 1.0 SBC Ameritech shall provide to AT&T the following Directory Assistance service:
 - 1.1 Reverse Directory Assistance (RDA) - An informational service which consists of providing listed local and national name and address information associated with a telephone number that AT&T End Users provide.
- 2.0 The Pricing Schedule is hereby amended by adding the rates as shown in Attachment A for the service provided hereunder.
- 3.0 This Amendment is subject to the provisions in the underlying Agreement, including, but not limited to, Section 29.3: Amendment or Other Changes to the Act; Reservation of Rights.
- 4.0 This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with the underlying Agreement.
- 5.0 EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS FOR THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT, and such terms are hereby incorporated by reference and the Parties hereby reaffirm the terms and provisions thereof.

6.0 This Amendment shall be filed with and is subject to approval by the Public Utility Commission of Ohio.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2003, by SBC Ohio, signing by and through its duly authorized representative, and AT&T, signing by and through its duly authorized representative.

**AT&T Communications of
Ohio, Inc.**

*** The Ohio Bell Telephone Company
d/b/a SBC Ohio by SBC Telecommunications,
Inc., its Authorized Agent**

By: _____

By: _____

Title: _____

Title: President - Industry Markets

Name: _____
(Print or Type)

Name: _____
(Print or Type)

Date: _____

Date: _____

* By entering into this Amendment, SBC Ohio does not waive any of its rights, remedies or arguments with respect to any orders, decisions or proceedings and any remands thereof, including but not limited to its rights under the United States Supreme Court's opinion in *Verizon v. FCC, et al.* 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) ("USTA decision"); the FCC's Triennial Review Order, adopted on February 20, 2003, on remand from the USTA decision and pursuant to the FCC's Notice of Proposed Rulemaking, *Review of Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338 (FCC 01-361) (rel. Dec. 20, 2001); the FCC's Order *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, 15 FCC Rcd 1760 (FCC 99-370) (rel. Nov. 24, 1999), including its Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000) in CC Docket 96-98; or the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) (the "ISP Intercarrier Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002). Rather, in entering into this Amendment, SBC Ohio fully reserves all of its rights, remedies and arguments with respect to any decisions, orders or proceedings, including but not limited to its right to dispute whether any UNEs and/or UNE combinations identified in the Agreement and this Amendment must be provided under Sections 251(c)(3) and 251(d) of the Act, and under this Agreement. In addition to fully reserving its other rights, SBC Ohio reserves its right to exercise its option at any time in the future to invoke the Intervening Law or Change of Law provisions in the Agreement as set forth therein and specifically, in the event that the FCC, a state regulatory agency or a court of competent jurisdiction, in any proceeding finds, rules and/or otherwise renders that any of the UNEs and/or UNE combinations provided for under this Agreement and this Amendment do not meet the necessary and impair standards set forth in Section 251(d)(2) of the Act. SBC Ohio also reserves the right to adopt on a date specified by SBC Ohio, the FCC ISP terminating compensation plan, after which date

ISP-bound traffic will be subject to the FCC's prescribed terminating compensation rates, and other terms and conditions.

SBC OHIO/AT&T
OHIO
ICA
PRICING SCHEDULE

Attachment A
RDA Amendment
SBC Ohio/AT&T

OHIO	AIT	AIT
	Recurring	Non-recurring
OTHER		
Directory Assistance		
Reverse Directory Assistance, per call - Facility Based	\$ 0.35	NA
Reverse Directory Assistance, per call - UNE-P	\$ 1.25	NA
RESALE	Resale Discounts	
	Recurring	Non-recurring
DIRECTORY ASSISTANCE SERVICES		
Reverse Directory Assistance	0.00%	NA

AMENDMENT NO. _____
to the
INTERCONNECTION AGREEMENT

by and between

THE OHIO BELL TELEPHONE COMPANY
d/b/a SBC OHIO

AND

AT&T COMMUNICATIONS OF OHIO, INC.

The Interconnection Agreement, which became effective on May 1, 2003 (“the Agreement”), by and between The Ohio Bell Telephone Company d/b/a SBC Ohio (“SBC Ohio”) and AT&T Communications of Ohio, Inc. (“AT&T”), is hereby amended as follows:

1. Sections 5.4.1, 5.4.2 and 5.4.3 of Article 5: Transmission and Routing of Telephone Exchange Service Traffic Pursuant to Section 251(c)(2), are replaced by the following language:
 - 5.4.1 InterLATA traffic shall be transported between AT&T Switch Center and the SBC-AMERITECH Access or combined local/Access Tandem over a “meet point” trunk group separate from local and IntraLATA toll traffic. The InterLATA trunk group will be established for the transmission and routing of exchange access traffic between AT&T’s End Users and inter exchange carriers via an AT&T switch or SBC-AMERITECH Access Tandem, as the case may be.
 - 5.4.2 When SBC-AMERITECH has more than one Access Tandem in a local exchange area or LATA, AT&T shall establish a Meet Point Trunk Group to one or more of SBC-Ameritech Access Tandems according to where AT&T has homed its NXX code(s). If the Access Tandems are in two different states, AT&T shall home its codes on tandems in the respective states. In all events codes shall be homed on at least one tandem within the LATA. AT&T will work with SBC tandem planning for NXX homing changes that may change tandem traffic volumes.

- 5.4.3 Should a tandem reach an exhaust condition such that traffic blocking becomes a possibility, AT&T shall work with SBC in rehoming codes to help alleviate the exhaust condition.
2. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
 3. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OR THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT, and such terms are hereby incorporated by reference and the Parties hereby affirm the terms and provisions thereof.
 4. This Amendment shall be filed with and subject to approval by the Public Utility Commission of Ohio.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2003, by SBC Ohio, signing by and through its duly authorized representative, and AT&T, signing by and through its duly authorized representative.

**AT&T Communications
of Ohio, Inc.**

***The Ohio Bell Telephone Company
d/b/a SBC Ohio by SBC
Telecommunications, Inc., its authorized
agent**

By: _____

By: _____

Title: _____

Title: President - Industry Markets

Name: _____
(Print or Type)

Name: _____
(Print or Type)

Date: _____

Date: _____

* By entering into this Amendment, SBC Ohio does not waive any of its rights, remedies or arguments with respect to any orders, decisions or proceedings and any remands thereof, including but not limited to its rights under the United States Supreme Court's opinion in *Verizon v. FCC, et al.* 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) ("*USTA decision*"); the FCC's Triennial Review Order, adopted on February 20, 2003, on remand from the *USTA decision* and pursuant to the FCC's Notice of Proposed Rulemaking, *Review of Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338 (FCC 01-361) (rel. Dec. 20, 2001); the FCC's Order *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, 15 FCC Rcd 1760 (FCC 99-370) (rel. Nov. 24, 1999), including its Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000) in CC Docket 96-98; or the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) (the "*ISP Intercarrier Compensation Order*"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002). Rather, in entering into this Amendment, SBC Ohio fully reserves all of its rights, remedies and arguments with respect to any decisions, orders or proceedings, including but not limited to its right to dispute whether any UNEs and/or UNE combinations identified in the Agreement and this Amendment must be provided under Sections 251(c)(3) and 251(d) of the Act, and under this Agreement. In addition to fully reserving its other rights, SBC Ohio reserves its right to exercise its option at any time in the future to invoke the Intervening Law or Change of Law provisions in the Agreement as set forth therein and specifically, in the event that the FCC, a state regulatory agency or a court of competent jurisdiction, in any proceeding finds, rules and/or otherwise renders that any of the UNEs and/or UNE combinations provided for under this Agreement and this Amendment do not meet the necessary and impair standards set forth in Section 251(d)(2) of the Act. SBC Ohio also reserves the right to adopt on a date specified by SBC Ohio, the FCC ISP terminating compensation plan, after which date ISP-bound traffic will be subject to the FCC's prescribed terminating compensation rates, and other terms and conditions.

**AMENDMENT NO. 3
to the
INTERCONNECTION AGREEMENT**

by and between

**THE OHIO BELL TELEPHONE COMPANY
d/b/a SBC OHIO**

AND

AT&T COMMUNICATIONS OF OHIO, INC.

The Interconnection Agreement, which became effective on May 1, 2003 (“the Agreement”), by and between The Ohio Bell Telephone Company d/b/a SBC Ohio (“SBC Ohio”) and AT&T Communications of Ohio, Inc. (“AT&T”), is hereby amended as follows:

1. Section 12.20.4. of Article 12: Collocation – Section 251(c)(6), is replaced by the following language:

12.20.4 SBC-AMERITECH shall allow AT&T to inspect or observe spaces which house or contain AT&T equipment or equipment enclosures that are physically collocated on SBC-AMERITECH premises 24 hours a day 7 days a week. SBC-AMERITECH will furnish AT&T with keys, entry codes, lock combinations, and other materials or information which may be needed to gain access to any Physically Collocated AT&T equipment within the secured SBC-AMERITECH facility. SBC-AMERITECH shall allow AT&T reasonable periodic inspection or observation spaces where AT&T has its equipment virtually collocated subject to Schedule 12.12 and **Article XX** and, in the case of Virtual Collocation, payment by AT&T of the cost of SBC-AMERITECH escorts.

2. The following document, entitled “Schedule – UNE Combinations (Ohio)” is hereby attached to the **Appendix to Article IX and Schedule 9.3 – Ohio Existing UNE-P and New UNE Combinations Amendment**”:

SCHEDULE - UNE COMBINATIONS (Ohio)

UNE-P

- 2-Wire Basic Analog loop w/ Basic line Port
- 2-Wire PBX Ground Start Analog loop w/ Ground Start line Port
- 2-Wire Basic Analog loop w/ Analog DID trunk Port
- 2-Wire Basic Analog loop w/ Centrex Basic line Port
- 2-Wire Electronic Key Line Analog Loop with Centrex EKL Line Port
- 2-Wire 160kbps (ISDN-BRI) Digital Loop with ISDN Direct Line Port

- 2-Wire 160kbps (ISDN-BRI) Digital Loop with CENTREX ISDN Line Port

- 4-Wire Digital (Loop) with Digital Trunking Trunk Port
- 4-Wire Digital Loop with ULS DS1 Trunk Port
- 4-Wire Digital Loop with ISDN Prime Trunk Port

EELs

- 2-Wire Analog Loop to DS1 or DS3 UDT
- 4-Wire Analog Loop to DS1 or DS3 UDT
- 2-Wire Digital Loop to DS1 or DS3 UDT
- 4-Wire Digital Loop (DS1 Loop) to DS1 or DS3 UDT

2. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
3. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OR THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT, and such terms are hereby incorporated by reference and the Parties hereby affirm the terms and provisions thereof.
4. This Amendment shall be filed with and subject to approval by the Public Utility Commission of Ohio.
5. In entering into this Amendment, the Parties acknowledge and agree that neither Party is waiving, and each Party hereby expressly reserves, any of the rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement with respect to any orders, decisions, legislation or proceedings and any remands thereof, including, but not limited to, its rights under the United States Supreme Court's opinion in *Verizon v. FCC, et al*, 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) the FCC's Triennial Review Order, adopted on February 20, 2003; ("USTA decision"); on remand from the USTA decision and pursuant to the FCC's Notice of Proposed Rulemaking, *Review of Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338 (FCC 01-361) (rel. Dec. 20, 2001); the FCC's Order *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, 15 FCC Rcd 1760 (FCC 99-370) (rel. Nov. 24, 1999), including its *Supplemental Order Clarification* (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's *Order on Remand and Report and Order* in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("ISP Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002) or/and the Public Utilities Act of Illinois, which was amended on May 9, 2003 to add Sections 13-408 and 13-409, 220 ILCS 5/13-408 and 13-409, and enacted into law ("Illinois Law").

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2003, by SBC Ohio, signing by and through its duly authorized representative, and AT&T, signing by and through its duly authorized representative.

**AT&T Communications
of Ohio, Inc.**

***The Ohio Bell Telephone Company
d/b/a SBC Ohio by SBC
Telecommunications, Inc., its authorized
agent**

By: _____

By: _____

Title: District Manager

Title: President - Industry Markets

Name: Kathleen Whiteaker
(Print or Type)

Name: _____
(Print or Type)

Date: _____

Date: _____

SCHEDULE - UNE COMBINATIONS (Ohio)

UNE-P

2-Wire Basic Analog loop w/ Basic line Port
2-Wire PBX Ground Start Analog loop w/ Ground Start line Port
2-Wire Basic Analog loop w/ Analog DID trunk Port
2-Wire Basic Analog loop w/ Centrex Basic line Port
2-Wire Electronic Key Line Analog Loop with Centrex EKL Line Port
2-Wire 160kbps (ISDN-BRI) Digital Loop with ISDN Direct Line Port

2-Wire 160kbps (ISDN-BRI) Digital Loop with CENTREX ISDN Line Port

4-Wire Digital (Loop) with Digital Trunking Trunk Port
4-Wire Digital Loop with ULS DS1 Trunk Port
4-Wire Digital Loop with ISDN Prime Trunk Port

EELs

2-Wire Analog Loop to DS1 or DS3 UDT
4-Wire Analog Loop to DS1 or DS3 UDT
2-Wire Digital Loop to DS1 or DS3 UDT
4-Wire Digital Loop (DS1 Loop) to DS1 or DS3 UDT

ARTICLE XII
COLLOCATION -- SECTION 251(c)(6)

12.0 Collocation – Section 251(c)(6).

12.1 Physical Collocation. SBC-AMERITECH shall provide to AT&T Physical Collocation on its Premises for equipment necessary for Interconnection (pursuant to **Article III**) or for access to unbundled Network Elements (pursuant to **Article IX**), except that SBC-AMERITECH will provide for Virtual Collocation of such equipment if SBC-AMERITECH demonstrates to the Commission that Physical Collocation is not practical for technical reasons or because of space limitations, as provided in Section 251(c)(6) of the Act. SBC-AMERITECH shall provide AT&T Collocation only for the purpose of Interconnection or access to SBC-AMERITECH's Network Elements.

12.2 Virtual Collocation in Physical Collocation Space. Where AT&T is Virtually Collocated on the Effective Date in a space that was initially prepared for Physical Collocation, AT&T may elect to: (i) retain its Virtual Collocation on that Premises and expand that Virtual Collocation according to current procedures and applicable tariffs, or (ii) unless it is not practicable for technical reasons or because of space limitations, revert to Physical Collocation, in which case AT&T shall coordinate with SBC-AMERITECH for rearrangement of its transmission equipment and facilities, for which SBC-AMERITECH shall impose no conversion charge. All applicable Physical Collocation recurring charges shall apply.

12.3 Virtual Collocation in Virtual Collocation Space. Where AT&T is Virtually Collocated in a space which was initially prepared for Virtual Collocation, AT&T may elect to: (i) retain its Virtual Collocation in that space and expand that Virtual Collocation according to current procedures and the terms and conditions of this Agreement or, (ii) unless it is not practical for technical reasons or because of space limitations, convert its Virtual Collocation to Physical Collocation at such Premises, in which case AT&T shall coordinate the construction and rearrangement with SBC-AMERITECH of its transmission equipment and facilities for which AT&T shall pay SBC-AMERITECH at the rates set forth in the **Pricing Schedule**. In addition, all applicable Physical Collocation recurring charges shall apply.

12.4 Nondiscriminatory Collocation. Collocation shall be made available to AT&T by SBC-AMERITECH on a basis that is at least equal in quality, price and priority that SBC-AMERITECH provides to itself, its subsidiaries, Affiliates or other persons. The quality of design, performance, features, functions and other characteristics of Collocation made available to AT&T under this Agreement shall be at parity to that which SBC-AMERITECH provides in its network to itself, its subsidiaries, its Affiliates or other persons.

12.5 Eligible Equipment.

AT&T may Collocate equipment necessary for Interconnection, or access to SBC-AMERITECH's Network Elements including the following types of equipment:

- (a) OLTM equipment,
- (b) multiplexers,
- (c) Digital Cross-Connect Panels,
- (d) Optical Cross-Connect Panels,
- (e) Digital Loop Carrier, utilizing transmission and advanced services capabilities only, pending the FCC's adoption of new rules concerning the collocation of such equipment,
- (f) Data voice equipment,
- (g) Equipment used to offer advanced services, including but not limited to DSLAMs and Routers,
- (h) Remote switch modules and optical remote units, and
- (i) any other transmission equipment collocated as of August 1, 1996 necessary to terminate basic transmission facilities pursuant to 47 C.F.R. §§ 64.1401 and 64.1402.

AT&T may Collocate equipment necessary for Interconnection or access to unbundled Network Elements, which shall include equipment used for signal regeneration (or "hubbing"). AT&T may provide its own BDFB or mini-BDFB. Where AT&T provides its own BDFB or mini-BDFB, AT&T shall provide its own power equipment and SBC-AMERITECH shall provide the power leads from its power source to the AT&T provided BDFB or mini-BDFB. All AT&T provided BDFBs or mini-BDFBs shall meet the Telecordia NEBS Level 1 safety standards. SBC-AMERITECH shall provide 200 amp and 100 amp power leads to the AT&T provided BDFBs and mini-BDFB as a standard caged collocation offering, according to the pricing and provisioning intervals in Southwestern Bell Telephone Company Texas collocation tariff. If the Ohio Commission finds that different terms and conditions should apply to the pricing and provisioning intervals of power leads in its dockets OPUC 96-922 and/or 00-1368, the Parties may amend this Agreement to incorporate such different terms and conditions. AT&T may install in any collocation space any equipment necessary for interconnection with SBC-AMERITECH or access to SBC-AMERITECH's Network Elements that has met, (i) Telecordia NEBS Level 1 safety standards, (ii) NEBS EMI emissions requirements, as stated in GR-1089-CORE. Any equipment type with a history of safe operation demonstrated by placement as network equipment in SBC-

AMERITECH's network premises prior to January 1, 1998, with no documented or known history of safety problems may be installed in SBC-AMERITECH's central offices. SBC-AMERITECH shall not impose or enforce any additional or separate safety standards more stringent than it imposes on its own equipment. SBC-AMERITECH has ten (10) Business days from receipt of the application to accept the equipment listed on the application. If SBC-AMERITECH denies collocation of equipment designated by AT&T, citing safety standards, SBC-AMERITECH will provide within five (5) business days a list of all SBC-AMERITECH network equipment that SBC-AMERITECH has located at the premise together with an affidavit attesting that SBC-AMERITECH's network equipment on such list meets or exceeds the safety standards that SBC-AMERITECH contends AT&T's equipment fails to meet. Additionally, AT&T shall be permitted to collocate for any purpose, or in any manner or method authorized by the Act, the Commission or the FCC.

12.6 Transmission Facility Options. For both Physical Collocation and Virtual Collocation, AT&T may either purchase unbundled transmission facilities (and any necessary Cross-Connection) from SBC-AMERITECH or provide its own or third-party leased transmission facilities and terminate those transmission facilities in its equipment located in its Collocation space at SBC-AMERITECH's Premises.

12.7 Interconnection with other Collocated Carriers. Upon written request to SBC-AMERITECH, AT&T shall be permitted to Interconnect its network with that of another collocating Telecommunications Carrier at SBC-AMERITECH's Premises by connecting its collocated equipment to the collocated equipment of the other Telecommunications Carrier via a Cross-Connection or other connecting transmission facilities. AT&T shall not be required by SBC-AMERITECH to purchase a Cross-Connect to interconnect with the collocated equipment of other Telecommunication Carriers. AT&T may make this connection to another collocating Telecommunications Carrier so long as: (i) AT&T's and the other collocating Telecommunications Carrier's collocated equipment are both used for Interconnection with SBC-AMERITECH or for access to SBC-AMERITECH's Network Elements, (ii) AT&T provides the connection between the equipment in the collocated spaces via a Cross-Connection or copper or optical connecting transmission facility that, at a minimum, complies in all respects with SBC-AMERITECH's technical and engineering requirements as identified in Section 12.5 and, (iii) the connecting transmission facilities of AT&T and the other collocating Telecommunications Carrier are contained wholly within space provided solely for Physical Collocation within SBC-AMERITECH's Premises. SBC-AMERITECH shall not impose on AT&T more stringent technical and engineering requirements than those SBC-AMERITECH imposes on its own equipment. SBC-AMERITECH shall not be authorized to dictate any terms or wording of any agreement which AT&T may enter into with any CLEC or other collocating entity.

12.8 Interconnection Points and Cables.

SBC-AMERITECH shall:

12.8.1 Provide AT&T an Interconnection point or points physically accessible by both SBC-AMERITECH and AT&T, at which the fiber optic cable carrying AT&T's circuits can enter SBC-AMERITECH's Premises; provided that SBC-AMERITECH shall designate Interconnection Points as close as reasonably possible to SBC-AMERITECH's Premises;

12.8.2 Provide at least two (2) such Interconnection points at SBC-AMERITECH's Premises at which there are at least two (2) entry points for AT&T's cable facilities, and at which space is available for new facilities in at least two (2) of those entry points;

12.8.3 Permit AT&T Interconnection of copper or coaxial cable if AT&T demonstrates that the use of copper or coaxial cable will not impair Ameritech's ability to serve its own customer or subsequent collocators; and

12.8.4 Permit AT&T Physical Collocation of equipment associated with microwave entrance facilities to Collocation, to the same extent SBC-AMERITECH permits physical Collocation arrangements to itself, affiliates or other Carriers. Where Physical Collocation of equipment associated with microwave entrance facilities to Collocation is not technically feasible, SBC-AMERITECH shall provide Virtual Collocation of such facilities as required where technically feasible.

12.8.5 Permit AT&T to link its collocation cages to its other collocation cages located in the same central office without purchasing a cross-connect. If the cages are separated by other SBC-AMERITECH designated space, AT&T will be permitted to run cabling, limited only by SBC-AMERITECH's reasonable safety and network security requirements that it imposes on itself on SBC-AMERITECH provided and designated cabling racks.

12.9 Condominium Arrangements.

12.9.1 If AT&T is Collocated in SBC-AMERITECH's Premises, and such Premises are located in the same building as AT&T Affiliate's POP pursuant to a Condo Arrangement listed on **Schedule 16.10**, then SBC-AMERITECH shall, upon AT&T's submission of a service order, permit AT&T to interconnect its network with that of its Affiliate by connecting its equipment Collocated in SBC-AMERITECH's Premises to its Affiliate's facilities located in such Affiliate's POP (such direct connection referred to as a "Condo Connection").

12.9.2 If AT&T orders a Condo Connection, such Condo Connection shall: (i) be constructed by an SBC-AMERITECH approved vendor selected

by and on behalf of AT&T, (ii) require AT&T to lease SBC-AMERITECH cable rack (or, if cable rack is not available within ninety (90) days after AT&T's order for a Condo Connection, AT&T may use conduit installed by AT&T) and/or, as applicable, riser space, to carry the connecting transport facility from AT&T's Collocated equipment to, as applicable, either the demarcation point between the SBC-AMERITECH Premises and the Affiliate's POP or the entry point into SBC-AMERITECH's Premises, (iii) traverse the path designated by SBC-AMERITECH (regardless of whether cable rack or conduit is used), and (iv) comply in all material respects with the same technical and engineering requirements that SBC-AMERITECH imposes on its provision of functionally similar connecting facilities within its Premises.

12.9.3 AT&T may order a Condo Connection from SBC-AMERITECH concurrent with or at any time after its request for Collocation in SBC-AMERITECH's Premises. AT&T may, for diversity purposes, request that SBC-AMERITECH designate two (2) paths within the SBC-AMERITECH Premises for Condo Connections.

12.9.4 SBC-AMERITECH shall charge, and AT&T agrees to pay, the rates for Condo Connection set forth in the **Pricing Schedule**; provided, however, that AT&T shall be responsible for any extraordinary charges incurred by SBC-AMERITECH to effectuate such Condo Connection, in which case extraordinary charges shall apply on a time and materials basis. When AT&T requests two (2) diverse paths, each path shall be assessed a Project Management Fee and appropriate recurring fees.

12.9.5 SBC-AMERITECH represents that the rates applicable to Condo Connection have been established in accordance with Section 252(d) of the Act. However, the Commission has neither approved nor opined on the actual rates contained in this Agreement for Condo Connection (the "CC Rates"). SBC-AMERITECH shall bill and AT&T shall pay SBC-AMERITECH for Condo Connection(s) at the CC Rates set forth in the **Pricing Schedule**. Notwithstanding anything to the contrary in this Agreement, if during the Term the Commission establishes or approves in an applicable proceeding rates different than the CC Rates (the "Final CC Rates"), the Parties agree to substitute the existing CC Rates with the Final CC Rates and such Final CC Rates will apply on a prospective basis. In addition, the Parties shall retroactively "true-up" the amounts the Parties have previously paid and/or received such that each Party receives and/or pays the same level of compensation it would have received and/or paid had the Final CC Rates originally applied in lieu of the CC Rates. In addition, nothing in this Agreement shall preclude AT&T, on its own motion, to request the Commission to establish or approve Final CC Rates.

12.9.6 If AT&T provisions a Condo Connection: (i) SBC-AMERITECH will not accept any liability for the connecting transport facility or the connections unless damage to the connecting transport facility or connections is caused by the actions or inactions of SBC-AMERITECH, its Affiliates or SBC-AMERITECH's authorized agents acting on SBC-AMERITECH's behalf, (ii) SBC-AMERITECH will not

inventory the connecting transport facility and, (iii) AT&T shall, in addition to its indemnity obligations set forth in **Article XXV**, indemnify SBC-AMERITECH for any loss arising from AT&T's installation, use, maintenance or removal of such Condo Connection to the extent such Loss is caused by the actions or inactions of AT&T, its Affiliates or its agents.

12.9.7 When AT&T and SBC-AMERITECH are located in a "condo" building, AT&T shall be allowed to locate, in AT&T's Wire Center, equipment that normally would have been Collocated in SBC-AMERITECH's Wire Center to enable AT&T to access SBC-AMERITECH's unbundled Network Elements. Such equipment will be connected to SBC-AMERITECH's unbundled Network Elements through a mid-span meet arrangement at the DSO, DS1, DS3, OC3, OC12, OC48 and where available, STS-1 rates, subject to any technical limitation on the distance between Wire Centers. AT&T will pay all costs (as defined in Section 252(d) of the Act) relating to any such mid-span meet arrangement and will also be responsible for the connection between AT&T's Wire Center and SBC-AMERITECH's facilities.

12.10 Allocation of Collocation.

12.10.1 AT&T may reserve Collocation space for its future use in SBC-AMERITECH's Premises in accordance with the provisions of **Schedule 12.9.1**. SBC-AMERITECH shall notify AT&T in writing if another Telecommunications Carrier requests Collocation space that is reserved by AT&T. AT&T shall within five (5) Business Days of receipt of such notice provide SBC-AMERITECH either: (i) written notice that AT&T relinquishes such space, or (ii) enforce its reservation of space in accordance with the provisions of **Schedule 12.9.1**. Failure of AT&T to respond to SBC-AMERITECH within the foregoing five (5) Business Day period shall be deemed an election by AT&T to relinquish such space.

12.10.2 SBC-AMERITECH shall not be required to lease or construct additional space in a Premises to provide AT&T Physical Collocation when existing space in such Premises has been exhausted. Upon request by the appropriate State Commission or AT&T, SBC-AMERITECH will remove any obsolete and unused equipment at its premise to make collocation space available. To the extent allowed by applicable state law and as determined by state regulatory proceedings, SBC-AMERITECH will be permitted to recover cost of removal and/or relocation of such equipment if SBC-AMERITECH incurs expenses that would not otherwise have been incurred (at the time of the request or subsequent thereto) except to increase the amount of space available for collocation (e.g. costs to expedite removal of equipment or store equipment for reuse).

12.10.3 AT&T will provide SBC-AMERITECH with a two (2)-year rolling forecast of its requirements for Collocation that will be reviewed jointly on a yearly basis by the Parties, in accordance with the planning processes described in **Schedule 12.9.3**. SBC-AMERITECH will attempt to deliver Collocation pursuant to AT&T's forecasts to the extent that Collocation space is then available.

12.10.4 SBC-AMERITECH shall respond to an AT&T application for Physical Collocation within 10 (ten) business days. In its response, SBC-AMERITECH shall state whether the requested space is available. In addition, SBC-AMERITECH shall provide a floor plan and a detailed price quotation of any extraordinary charges, if applicable. If SBC-AMERITECH denies AT&T's application for Physical Collocation, SBC-AMERITECH shall state with specificity in its response all of the reasons it is denying AT&T's request for Physical Collocation and specify any available alternative arrangements. If one of SBC-AMERITECH's specified reasons for denying AT&T's request for Physical Collocation is space exhaustion, SBC-AMERITECH will state in its response the most recent date on which the Central Office in question was reviewed with respect to any Telecommunications Carrier by a State Public Utilities Commission and certified as being space exhausted. If the State Commission review was conducted more than six (6) months previously, SBC-AMERITECH will state in its response that date, not less than 10 (ten) days, on which AT&T may conduct a walk-through of the central office in question.

12.11 Security Arrangements.

12.11.1 AT&T and SBC-AMERITECH agree that security is important for both companies to ensure their respective networks reliability and security, SBC-AMERITECH may require that AT&T comply with reasonable security measures that SBC-AMERITECH uses for its own employees and contractors.

12.11.2 AT&T employees and contractors will receive the same level of security training which SBC-AMERITECH requires for its employees or contractors. Unless agreed to otherwise by AT&T, AT&T employees and contractors will receive security training from a vendor other than SBC-AMERITECH.

12.11.3 After the Occupancy Date AT&T will have access to its Physically Collocated equipment twenty-four (24) hours per day, seven (7) days per week. AT&T employees are not required to be accompanied by either a security escort or any other SBC-AMERITECH employee while on SBC-AMERITECH premises. AT&T employees will have immediate access to the facility and the AT&T equipment. SBC-AMERITECH cannot otherwise delay AT&T's entry onto SBC-AMERITECH property. AT&T authorized personnel will have access to health related facilities (e.g., bathrooms), as well as access to parking as it is available. AT&T employees and contractors, with proper identification, who have a work order or a open trouble ticket will be permitted access to AT&T Physically Collocated equipment within SBC-AMERITECH facilities, to the same extent SBC-AMERITECH employees are provided such access, to the SBC-AMERITECH central office.

12.11.4 SBC-AMERITECH shall not use any information it collects in the course of implementing or operating security arrangements or other activities for marketing or any other purpose.

12.12 Publicly Available Information. SBC-AMERITECH will make information regarding its Collocation space available on its TCNet internet website. SBC-AMERITECH shall provide on its TCNet website the following information: (i) a list of all Central Offices where there is no more Physical Collocation and/or Virtual Collocation space available), and (ii) at least quarterly, a list of all equipment installed within the network area of its facilities that within the previous twelve (12) months (and updated as needed to keep it current) failed to meet the Level 1 safety requirements of Telecordia NEBS, SBC-AMERITECH EMI and corrosion guidelines.

12.13 Subcontractor and Vendor Approval. SBC-AMERITECH shall permit AT&T to subcontract the construction and build-out of Physical Collocation arrangements with contractors approved by SBC-AMERITECH which approval shall not be unreasonably withheld. Approval of such subcontractors and vendors by SBC-AMERITECH shall be based on the same criteria it uses in approving contractors for its own purposes. Upon request, SBC-AMERITECH will provide AT&T with the written policies used in determining whether or not a contractor will be approved. In addition, SBC-AMERITECH shall allow AT&T to have an SBC-AMERITECH-approved vendor install updates to collocated equipment, including software updates.

12.14 Collocation in Adjacent Facilities.

- (a) When SBC-AMERITECH demonstrates that space is legitimately exhausted at a location, then SBC-AMERITECH will allow AT&T to collocate, on SBC-AMERITECH's property, by constructing an adjacent controlled environmental vaults or similar structures normally used to house telecommunications equipment to the extent technically feasible and subject only to reasonable safety and maintenance requirements. SBC-AMERITECH shall have no obligation to provision Adjacent Collocation until AT&T has secured and provided SBC-AMERITECH evidence of final approval for the requested Adjacent Structure (and any transmission and power connections) from any applicable local and/or state governmental or other authority having jurisdiction to approve or grant zoning compliance or waivers and if the land on which AT&T seeks to locate such Adjacent Structure is not owned by SBC-AMERITECH, such owner or landlord. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard. AT&T shall place no signage or marking of any kind on an Adjacent Structure or on SBC-AMERITECH's grounds surrounding the Adjacent Structure. When requested SBC-AMERITECH will provide up to one hundred (100) AMPS of AC power to the Adjacent Structure when Central Office Switchboard AC capacity exists and up to two hundred (200) AMPS of DC power to Adjacent Facilities up to two hundred (200) feet from the outside Central Office wall or the SBC-AMERITECH property line, as permitted by applicable zoning laws and ordinances. When power requirements are beyond these office capacities and distance limitations SBC-AMERITECH will treat the requirements as a

non-standard request (ICB or NSCR) and coordinate a mutually agreeable solution for provisioning power with AT&T. At its option, AT&T may choose to provide its own AC and DC power to the Adjacent Structure. SBC-AMERITECH will provide power and physical collocation services and facilities to such Adjacent Facilities, subject to the same nondiscrimination requirements as traditional collocation arrangements.

12.15 Delivery of Collocated Space.

12.15.1 SBC-AMERITECH shall provide AT&T with a single point of contact for all inquiries regarding Collocation. AT&T shall request space for Collocation by delivering a written request to SBC-AMERITECH. Each request for Collocation shall include: (i) the Premises in which Collocation is requested, (ii) the amount of space requested, (iii) the interoffice transmission facilities AT&T will require for such space, (iv) the equipment to be housed in such space, (v) AT&T's anticipated power requirements for the space, (vi) any extraordinary additions or modifications (i.e., security devices, node enclosures, HVAC, etc.) to the space or to the Premises to accommodate AT&T's collocated equipment, (vii) the specific level of diversity for fiber and power cabling to and from the Collocated space and (viii) the date on which AT&T intends to initiate service from such space. SBC-AMERITECH shall notify AT&T in writing within ten (10) Business Days of receiving AT&T's request for Collocation as to whether the requested space is available. The same Schedules apply for Caged, Shared Cage and Cageless Physical Collocation. If space is not available for Physical Collocation, SBC-AMERITECH will allow AT&T to visit and tour the entire office in question within ten (10) days of its notice to AT&T. If after the tour, SBC-AMERITECH and AT&T do not agree that space is unavailable, SBC-AMERITECH will file with the state Commission detailed floor plans and/or diagrams of such premises to the extent that it is accepted by the appropriate State Commission. AT&T may also request Virtual Collocation Space in accordance with **Section 12.15.5**. If intraoffice facilities will not be available for Collocation of initial service within three (3) months of receipt of AT&T's payment of the Initial COBO fee for Physical Collocation, or twelve (12) weeks after receipt of AT&T's request for Virtual Collocation pursuant to **Section 12.15.1**, then SBC-AMERITECH shall provide written notification, within ten (10) Business Days after the initial walkthrough, as to when the intraoffice facilities will be made available.

12.15.2 Physical Collocation.

- (a) If space for Physical Collocation is immediately available at the time of AT&T's request, SBC-AMERITECH shall include in its notice to AT&T: (i) the space to be provided, and (ii) whether SBC-AMERITECH can deliver the space to AT&T by the date set forth in **Section 12.15.2(d)**.
- (b) At AT&T's request, SBC-AMERITECH will make cageless collocation available to AT&T in single-bay (10 square feet) or single cabinet (18 square feet) increments. A cageless collocation is one in

which AT&T collocates in any unused space that is conditioned to house its equipment. AT&T is not required to construct any enclosure of its equipment. AT&T may locate equipment at any location in the Central Office, up to SBC-AMERITECH's last unreserved bay space in that central office. In the case of Remote Terminal Cabinet, Controlled Environment Vault or Hut cageless collocation will be offered in increments of one (1) shelf.

- (c) If AT&T's requested Physical Collocation space is available, SBC-AMERITECH and AT&T shall have an initial walkthrough of such space within ten (10) Business Days after SBC-AMERITECH's receipt of AT&T's Initial COBO Payment. SBC-AMERITECH shall, within ten (10) Business Days after such initial walkthrough, provide documentation submitted to and received from contractors for any work being done on behalf of AT&T that will be billed as extraordinary expenses and provide for a parallel installation sequence.
- (d) The Parties acknowledge that Physical Collocation Delivery Intervals are the subject of an FCC Proceeding. Until such time as the FCC issues its final decision, the Parties shall abide by the physical collocation delivery intervals set forth in SBC-AMERITECH's Illinois Tariff ILL. CC. No. 20, Part 23, Section 4, paragraphs 11 b. through d., and 14 a., b., d., e., and f.
- (e) SBC-AMERITECH will provide reduced intervals to AT&T where AT&T has existing collocation space and AT&T requests different interconnection arrangements in that existing space. Collocation arrangements shall be provided pursuant to **Schedule 12.15.2.**
- (f) Physical Collocation space ordered by AT&T will be made available to AT&T by SBC-AMERITECH as more fully described in **Schedule 12.16.**
- (g) If SBC-AMERITECH does not provide AT&T with its Collocated space by the Delivery Date and such delay is caused directly by SBC-AMERITECH's actions or its failure to act (and not by an AT&T Delaying Event), AT&T shall receive a credit of one ninetieth (1/90th) of its COBO payment for each day after the applicable Delivery Date that such conditioned Collocated space is not made available and one one hundred and fiftieth (1/150th) of its COBO payment for each day after the applicable Delivery Date that such non-conditioned Collocated space is not available.
- (h) SBC-AMERITECH may begin billing AT&T for recurring charges for the Collocated space on the date such space is made available to

AT&T for occupancy (the "Occupancy Date"), if the Occupancy Date occurs on, or after the Committed Delivery Date. AT&T will not be obligated to begin paying for space if said space is delivered prior to the Committed Delivery Date and AT&T is not ready to take possession. AT&T shall vacate the Collocated space if either: (i) AT&T fails to install within ninety (90) days of the Occupancy Date the equipment necessary for Interconnection and/or access to Unbundled Network Elements to be housed in such space, or (ii) AT&T fails to Interconnect to the SBC-AMERITECH network within one hundred and fifty (150) days of the Occupancy Date. If AT&T is required to vacate the space pursuant to this **Section 12.15.2(h)**, AT&T shall vacate such space within ninety (90) Business Days of the earliest to occur of the foregoing events. If, after vacating a space, AT&T still requires Collocation in that Premises, AT&T shall be required to submit a new request for Collocation pursuant to the provisions of **Section 12.15.1**.

- (i) Physical Collocation will be subject to the additional rules and regulations set forth in **Section 2.0** of **Schedule 12.12**, and AT&T shall pay SBC-AMERITECH no more than a pro-rated cost for space preparation security measures and other charges based on the percentage of total space actually used by AT&T.
- (j) SBC-AMERITECH shall provide positive confirmation to AT&T when construction of AT&T Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date. The Implementation Plan will include a process for determining when construction is fifty percent (50%) complete.
- (k) At AT&T's request SBC-AMERITECH shall provide, within three (3) months after receiving AT&T's Initial COBO Payment, equipment node enclosures at a height of eight (8) feet, without ceiling. Where SBC-AMERITECH cannot feasibly provide AT&T with equipment node enclosures within such three (3) month period, SBC-AMERITECH shall notify AT&T of this fact within ten (10) Business Days from the receipt of AT&T's request. The Parties shall then negotiate a reasonable time frame.
- (l) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of all Collocated space requested from SBC-AMERITECH. Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The

correction of these exceptions from AT&T's original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T.

- (m) Caged Physical Collocation will be available in fifty (50) square foot increments with the minimum size cage being fifty (50) square feet.

12.15.3 Physical Collocation in CEV or other Adjacent Structure.

- (a) If space for Collocation in SBC-AMERITECH's office is not available at the time of AT&T's request, and the Central Office space is Legitimately Exhausted, AT&T can request via a non standard request (NSCR) that they be allowed to install a CEV or similar structure adjacent to SBC-AMERITECH's office on SBC-AMERITECH property.
- (b) SBC-AMERITECH shall have no obligation to provision Adjacent Collocation until AT&T has secured and provided SBC-AMERITECH evidence of final approval for the requested Adjacent Structure (and any transmission and power connections) from any applicable local and/or state governmental or other authority having jurisdiction to approve or grant zoning compliance or waivers and if the land on which AT&T seeks to locate such Adjacent Structure is not owned by SBC-AMERITECH, such owner or landlord. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard. AT&T shall place no signage or marking of any kind on an Adjacent Structure or on SBC-AMERITECH's grounds surrounding the Adjacent Structure.
- (c) SBC-AMERITECH and AT&T shall have an initial site visit of such premises within ten (10) Business Days after SBC-AMERITECH's receipt of AT&T's acceptance and payment of the NSCR quote. SBC-AMERITECH shall, within thirty (30) Business Days after such initial visit, provide documentation to include drawings of the physical structures above and below ground, which will allow AT&T's contractor to begin work.
- (d) SBC-AMERITECH shall deliver to AT&T the requested space on or before the later of: (i) one hundred eighty (180) days from SBC-AMERITECH's receipt of AT&T's NSCR, (ii) ninety (90) days from the receipt of AT&T's NSCR quote payment, or (iii) such other reasonable date that the Parties may agree upon if it is not feasible for SBC-AMERITECH to deliver to AT&T such real estate within the

foregoing intervals (such date of delivery referred to as the "Delivery Date".)

- (e) If SBC-AMERITECH does not provide AT&T with the space by the Committed Delivery Date and such delay is caused directly by SBC-AMERITECH's actions or its failure to act (and not by an AT&T Delaying Event), AT&T shall receive a credit of 1/120th of its Collocation payment for each day after the applicable Delivery Date that such collocated real estate is not made available for construction of the CEV or similar structure.
- (f) SBC-AMERITECH may begin billing AT&T for the recurring charges for the space on the date such space is made available to AT&T for occupancy (the "Occupancy Date").
- (g) AT&T is responsible for obtaining any building permits or other approvals which may be necessary to construct the facility. SBC-AMERITECH shall reasonably cooperate with AT&T's efforts to obtain such approval and shall be entitled to recover for the costs incurred in that regard.
- (h) AT&T or their approved contractor will construct the facility. SBC-AMERITECH will provide power and all other physical collocation services and facilities up to two hundred (200) feet from the outside Central Office wall or the SBC-AMERITECH property line, as permitted by applicable zoning laws or ordinances.
- (i) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of the constructed facility. Exceptions that are noted during this acceptance walkthrough shall be corrected by the responsible party within thirty (30) days after the walkthrough.

12.15.4. Shared Collocation

- (a) Upon request, Ameritech shall provide AT&T Shared Caged Collocation in any Unused Space.
"Shared Caged Collocation" is caged Physical Collocation space shared by AT&T and one or more competitive Local Exchange Carriers ("CLEC") pursuant to terms and conditions agreed upon by such carriers. AT&T may request that Ameritech provide Shared Caged Collocation via: (i) a new request for Physical Collocation whereby the carrier requesting such space allocates the requested space among the number of carriers initially requesting such space ("New Shared Collocation"), or (ii) a request by AT&T to enter into

a sublease arrangement with another CLEC in AT&T's existing Physical Collocation ("Subleased Shared Collocation"). In each Shared Caged Collocation arrangement, SBC-AMERITECH's single point of contact with respect to such arrangement (other than billing of Preparation Charges as described in subsection (b) below) shall be referred to as the "Primary Collocator". For New Shared Collocation, the Primary Collocator shall be the single carrier that submits the request for New Shared Collocation on behalf of the other Resident Collocators. For Subleased Shared Collocation, the Primary Collocator shall be the carrier that originally requested and occupied such space and is the sublessor in such arrangement. For purposes of this **Article XII**, each carrier (including AT&T and the Primary Collocator) to a Shared Caged Collocation arrangement is sometimes referred to as a "Resident Collocator." An order for Shared Caged Collocation shall include blanket letters of authorization: (A) signed by the Primary Collocator that authorize each other Resident Collocator to utilize the Connecting Facility Assignments associated with the Primary Collocator, and (B) signed by each Resident Collocator that authorize the Primary Collocator to request and place firm orders for Shared Caged Collocation and facilities on behalf of such Resident Collocators.

- (b) New Shared Collocation is available in increments of fifty (50) square feet (per caged space dimensions, not per carrier). Resident Collocators shall request New Shared Collocation from SBC-AMERITECH in a single application. A request and any subsequent order for New Shared Collocation shall be submitted by the Primary Collocator. Each request for New Shared Collocation shall identify each Resident Collocator and the number of bays attributable to the Primary Collocator and each Resident Collocator. When making New Shared Collocation available, SBC-AMERITECH shall: (i) not, except as otherwise specifically required to accommodate a Resident Carrier's specific instructions, increase the Preparation Charges above the cost of provisioning a cage of similar dimensions and materials to a single collocating carrier, and (ii) prorate the Preparation Charges incurred by SBC-AMERITECH to construct the shared Collocation cage or condition the space for Collocation use among the Resident Collocators utilizing the New Shared Collocation space, by determining the total charges to make that space available and allocating that charge to each Resident Collocator based on the percentage of total space utilized by that carrier; provided, that the percentage of total space divided among the Resident Collocators in a New Shared Collocation space equals one hundred percent (100%) of such Preparation Charges. Allocation of Preparation Charges shall occur only upon the initial

delivery of New Shared Collocation and SBC-AMERITECH shall not be required to adjust such allocation if another Resident Collocator subsequently shares such space. Except with respect to prorated Preparation Charges, SBC-AMERITECH shall bill only the Primary Collocator for, and the Primary Collocator shall be the primary obligor with respect to the payment of, all charges other than Preparation Charges billed on New Shared Collocation. It is the Primary Collocator's responsibility to recover from each other Resident Collocator such carrier's proportionate share of such other charges billed to the Primary Collocator for the New Shared Cage Collocation. Any additional or extraordinary charges incurred to accommodate a Resident Collocator's specific instructions (e.g., unique power arrangements, cabling, etc.) will not be prorated but instead will be directly billed to the Primary Collocator. If AT&T is a Resident Collocator but not the Primary Collocator in a New Shared Collocation arrangement, AT&T agrees that the rates, terms and conditions of the Collocation provisions of the Primary Collocator's Section 251/252 agreement shall apply to its New Shared Collocation arrangement in lieu of those set forth herein. Further, if AT&T is the Primary Collocator in a New Shared Collocation arrangement, as a condition of ordering New Shared Allocation, AT&T shall require its Resident Collocator(s) to execute an agreement prior to the Delivery Date that, inter alia, requires such Resident Collocator(s)' compliance with the terms, conditions and restrictions relating to Collocation contained in this Agreement and designates SBC-AMERITECH as a third party beneficiary of such agreement. Requesting Carrier, acting in its capacity as Primary Collocator, shall notify its Resident Collocator(s) of the obligation to comply with the Collocation provisions of this Agreement and shall be responsible for any breach of such provisions by the Resident Collocator(s).

- (c) For Subleased Shared Collocation, if the Requesting Carrier is the Primary Collocator, then Requesting Carrier shall be responsible for its and its Resident Collocator's compliance with the terms, conditions and restrictions of this Agreement. As a condition to permitting another carrier to sublease space from AT&T, AT&T shall require such other carrier(s) to execute a sublease agreement prior to the Delivery Date that, inter alia, requires such carrier's compliance with the terms, conditions and restrictions relating to Collocation contained in this Agreement and designates SBC-AMERITECH as a third party beneficiary of such agreement. Requesting Carrier, acting in its capacity as Primary Collocator, shall notify its Resident Collocator(s) of the obligation to comply with the Collocation provisions of this Agreement and shall be

responsible for any breach of such provisions by the Resident Collocator(s). If AT&T is the sublessee (i.e., not the Primary Collocator) in a Subleased Shared Collocation arrangement, AT&T agrees that the rates, terms and conditions of the Collocation provisions of the Primary Collocator's Section 251/252 agreement shall apply to its Subleased Shared Collocation arrangement in lieu of those set forth herein.

- (d) AT&T represents and warrants to SBC-AMERITECH that each Resident Collocator with which it shares Shared Caged Collocation space shall Collocate equipment only as permitted by **Section 12.4** and which is necessary to Interconnect with SBC-AMERITECH or for access to SBC-AMERITECH's unbundled Network Elements. SBC-AMERITECH shall provide AT&T access to SBC-AMERITECH's unbundled Network Elements and permit AT&T to Interconnect its network with SBC-AMERITECH from Shared Caged Collocation, regardless if AT&T was the original Collocator. AT&T, however, shall have no right to request and SBC-AMERITECH shall have no obligation to provide AT&T's Resident Collocators access to SBC-AMERITECH's unbundled Network Elements or SBC-AMERITECH's network. Instead, a Resident Collocator's rights shall be as determined by such Resident Collocator's contractual arrangement (Section 251/252 agreement or tariff, as applicable) with SBC-AMERITECH.
- (e) As a condition of entering into Shared Caged Collocation, AT&T agrees that if it is not the Primary Collocator in a New Shared Collocation, or if it is the sublessee in a Subleased Shared Collocation arrangement, it unconditionally and irrevocably undertakes and guarantees SBC-AMERITECH the prompt and full payment of any charges assessed on the Shared Caged Collocation. If the Primary Collocator in a Shared Caged Collocation arrangement no longer occupies the space, the other Resident Collocators must immediately identify a new Primary Collocator. If only one carrier remains in the Shared Cage Collocation, that carrier shall become the Primary Collocator. SBC-AMERITECH shall bill the new Primary Collocator any applicable charges to change SBC-AMERITECH's records and databases to reflect such new Primary Collocator.
- (f) Any obligation of SBC-AMERITECH under this **Article XII** (and any schedules referenced herein) to provide Requesting Carrier notice, information, documents or other materials shall, in a Shared Caged Collocation arrangement, be limited to the provision of such

notice, information, documents or other materials to the Primary Collocator only.

- (g) SBC-AMERITECH shall commit to deliver Requested Collocators the requested space on or before a date (the “**Committed Delivery Date**”) which shall be set in accordance with 12.15.2(d) or such other reasonable date that the Parties may agree upon.
- (h) SBC-AMERITECH will make Shared Physical Collocation space ordered available to Resident Collocators in fifty (50) square foot increments as fully described in Section 2.0 of Schedule 12.12.
- (i) If SBC-AMERITECH does not provide the shared collocated space by the Committed Delivery Date and such delay is caused directly by SBC-AMERITECH’s actions or its failure to act (and not by a Resident Collocator Delaying Event), SBC-AMERITECH shall provide the Primary Collocator a credit of one one hundred twentieth (1/120th) of the COBO for each day after the applicable Delivery Date that such collocated space is not made available.
- (j) SBC-AMERITECH may begin billing AT&T, as the Primary Collocator, for recurring charges for the Shared Collocated space on the date such space is made available to AT&T and the Resident Collocator(s) for occupancy (the “**Occupancy Date**”) if the Occupancy Date occurs after the Committed Delivery Date, or actual date on which AT&T begins to occupy the Collocated space if the Occupancy Date occurs after the Committed Delivery Date. There is no obligation on the part of AT&T, as the Primary Collocator, to begin paying for space if said space is delivered prior to the Committed Delivery Date and neither AT&T nor other Resident Collocators are ready to take possession.
- (k) SBC-AMERITECH shall provide positive confirmation to AT&T, as the Primary Collocator, when construction of the shared Collocated space fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date.
- (l) At AT&T’s, as the Primary Collocator’s, request, SBC-AMERITECH shall provide, within three (3) months after receiving the Initial COBO Payment, equipment node enclosures at a height of eight (8) feet, without ceiling. Where SBC-AMERITECH cannot feasibly provide these equipment node enclosures within such three (3) month period, SBC-AMERITECH shall notify AT&T of this fact within ten (10)

Business Days from the receipt of AT&T's request. The Parties shall then negotiate a reasonable time frame.

- (m) After completion of construction, AT&T, as the Primary Collocator, and SBC-AMERITECH will complete an acceptance walkthrough of all shared Collocated space requested from SBC-AMERITECH. Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from the original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T, as Primary Collocator.
- (n) SBC-AMERITECH shall provide Telephone Equipment detailed drawings depicting the exact path, with dimensions, for the AT&T and the sharing CLEC ingress and egress into the shared collocated space within five (5) business days of SBC-AMERITECH's notice that shared collocation space is available. Such path and any areas around it in which AT&T must work to perform installation shall be free of friable asbestos, lead paint (unless encapsulated), radon, and other health or safety hazards.

12.15.5 Virtual Collocation.

- (a) If AT&T requests Virtual Collocation, or if requested Physical Collocation space is not available at a Premises and AT&T elects Virtual Collocation, and such Virtual Collocation is available at the time of AT&T's request, SBC-AMERITECH shall include in its notice to AT&T described in **Section 12.15.1**: (i) the space to be provided, and (ii) whether SBC-AMERITECH can deliver the space to AT&T by the date set forth in **Section 12.15.5(c)**.
- (b) SBC-AMERITECH and AT&T will have an initial walkthrough of the Collocated space to be provided to AT&T for Virtual Collocation on the earlier of: (i) ten (10) Business Days of SBC-AMERITECH's verification of the Virtual Collocation space to be provided to AT&T, and (ii) fourteen (14) calendar days after SBC-AMERITECH's receipt of AT&T's request for Virtual Collocation. SBC-AMERITECH shall within ten (10) Business Days after such walkthrough provide AT&T with: (i) documentation submitted to and received from contractors for any work being done on behalf of AT&T that will be billed as extraordinary expenses, and (ii) a parallel installation sequence.

- (c) SBC-AMERITECH shall deliver to AT&T the requested space on or before the later of: (i) twelve (12) weeks from SBC-AMERITECH's receipt of AT&T's request for Virtual Collocation, and (ii) such other reasonable date that the Parties may agree upon if it is not feasible for SBC-AMERITECH to deliver to AT&T such space within twelve (12) weeks (such date of delivery referred to as the "Delivery Date") and SBC-AMERITECH notified AT&T of this fact within ten (10) Business Days from SBC-AMERITECH's receipt of AT&T's request.
- (d) Virtual Collocation space ordered by AT&T will be made available to AT&T by SBC-AMERITECH, as more fully described in **Schedules 12.12** and **12.15**.
- (e) SBC-AMERITECH shall provide positive confirmation to AT&T when construction of AT&T-Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and the Delivery Date. The Implementation Plan will include a process for determining when construction is fifty percent (50%) complete.
- (f) After completion of construction, AT&T and SBC-AMERITECH will complete an acceptance walkthrough of all collocated space requested from SBC-AMERITECH. Exceptions that are noted during this acceptance walkthrough shall be corrected by SBC-AMERITECH within thirty (30) days after the walkthrough. SBC-AMERITECH shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from the original request for Collocation shall be at SBC-AMERITECH's expense, subject to any change orders requested by AT&T.
- (g) SBC-AMERITECH shall install cross-connects when cross-connecting for connect purposes as directed by AT&T at the rates provided in the **Pricing Schedule**.
- (h) AT&T shall have the option to maintain virtually collocated equipment established under the previous Interconnection Agreement between the parties or have SBC-AMERITECH maintain that Virtually Collocated equipment on AT&T's behalf. For new virtual collocations established hereunder, SBC will maintain the Virtually Collocated equipment on AT&T's behalf.

12.16 Pricing. The prices charged to AT&T for Collocation are set forth in the **Pricing Schedule**.

12.17 Billing. SBC-AMERITECH shall bill AT&T for Collocation pursuant to the requirements of Article XXVII to this Agreement.

12.18 Common Requirements. The requirements set forth in Schedule 12.15 shall be applicable to both Physical and Virtual Collocation.

12.19 Additional Requirements. The additional requirements set forth in Schedule 12.16 shall be applicable to Physical Collocation.

12.20 Protection of Service and Property.

12.20.1 Both Parties shall exercise reasonable care to prevent harm or damage to the other Party, its employees, agents or Customers, or their property. Both Parties, their employees, agents, and representatives agree to take reasonable and prudent steps to ensure the adequate protection of the other Party's property and services, including:

12.20.2 SBC-AMERITECH and AT&T shall restrict access to AT&T equipment, support equipment, systems, tools and data, or spaces which contain or house AT&T equipment enclosures, to AT&T employees and other authorized non-AT&T personnel to the extent necessary to perform their specific job function.

12.20.3 AT&T shall comply at all times with security and safety procedures and existing requirements that are defined written policies and being used by SBC-AMERITECH for its employees and contractors. These procedures will be communicated to AT&T.

12.20.4 SBC-AMERITECH shall allow AT&T to inspect or observe spaces which house or contain AT&T equipment or equipment enclosures that are physically collocated on SBC-AMERITECH premises 24 hours a day 7 days a week. SBC-AMERITECH will furnish AT&T with keys, entry codes, lock combinations, and other materials or information which may be needed to gain access to any Physically Collocated AT&T equipment within the secured SBC-AMERITECH facility. SBC-AMERITECH shall allow AT&T reasonable periodic inspection or observation spaces where AT&T has its equipment virtually collocated subject to Schedule 12.12 and Article XX and, in the case of Virtual Collocation, payment by AT&T of the cost of SBC-AMERITECH escorts.

12.20.5 For Physical Collocation, SBC-AMERITECH shall furnish to AT&T a current written list of SBC-AMERITECH's employees who SBC-AMERITECH authorizes to enter AT&T's Physical Collocation space, with samples of the identifying credential to be carried by such persons.

12.20.6 SBC-AMERITECH shall secure external access to the Physical Collocation space on its Premises in the same or equivalent manner that SBC-AMERITECH secures external access to spaces that house SBC-AMERITECH's equipment.

12.20.7 For Physical Collocation, SBC-AMERITECH shall limit the keys used in its keying systems for AT&T's specific Physical Collocation space which contain or house AT&T equipment or equipment enclosures to its employees and representatives to emergency access only. AT&T shall further have the right, at its expense, to have locks changed where deemed necessary for the protection and security of such spaces, provided that AT&T shall immediately provide SBC-AMERITECH with such new keys.

12.20.8 SBC-AMERITECH shall use its existing back-up and recovery plan in accordance with its standard policies for the specific Central Office.

12.21 Standards of Performance. SBC-AMERITECH shall provide Collocation to AT&T in accordance with the service levels, procedures and intervals, if any, as provided in Article XXXII (Performance Measurements).

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3

**OHIO EXISTING UNE-P AND NEW UNE COMBINATIONS AMENDMENT
TO THE
INTERCONNECTION AGREEMENT UNDER
SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996**

WHEREAS, the Public Utilities Commission of Ohio ("PUCO") issued the Opinion and Order on October 4, 2001, as supplemented by the Entry on Rehearing issued on January 31, 2002, and an Entry on July 11, 2002, (together, the "Order") in Case Numbers 96-922-TP-UNC and 00-1368-TP-ATA, setting forth in certain Ohio-specific requirements regarding wholesale subject matters that are also covered in the Agreement, including tariffing requirements ("Non-Voluntary Terms");

WHEREAS, SBC Ohio is willing through this Amendment to incorporate the Non-Voluntary Terms notwithstanding the fact that it is SBC Ohio's position that some of those requirements do not arise under Sections 251 or 252 of the Telecommunications Act of 1996;

WHEREAS, the Public Utilities Commission of Ohio (the "Commission") in various Entries in Case Number 00-942-TP-COI has directed SBC Ohio to file a proposed interconnection agreement amendment(s) that contains the terms and conditions relating to SBC Ohio's provisioning of existing UNE-P and new unbundled network elements combinations, including the PUCO's Entry dated March 13, 2003;

WHEREAS, based on the foregoing and except as otherwise expressly noted, the Parties are entering into this Amendment to incorporate into the Agreement the Non-Voluntary Terms only as and to the extent imposed by the Order.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Parties agree that on and after the Amendment Effective Date, as defined in Section 5 of this Amendment, the Agreement is hereby amended by referencing and incorporating the following:

1. INTRODUCTION

- 1.1 Unless otherwise defined herein, capitalized terms shall have the meanings assigned to such terms in the Agreement.
- 1.2 Subject to Section 7, to the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreement), the provisions of this Amendment shall control and apply but only to the extent of such conflict or inconsistency.

**APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
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- 1.2.1 Subject to Section 7, to the extent there is a conflict or inconsistency between the provisions in the main text of this Amendment and the provisions contained in Attachment A to this Amendment, if applicable, the provisions of the main text of Amendment shall control and apply but only to the extent of such conflict or inconsistency.
- 1.3 The term "UNE-P" refers to "unbundled network element platform" as described in the Order.
- 1.4 Except upon request of CLEC, SBC Ohio shall not separate CLEC-requested UNEs that are currently combined and that are ordered in combination by the CLEC. (47 CFR § 51.315(b)).
- 1.5 This Amendment sets forth the terms and conditions which govern the combining activities involving unbundled network elements (UNEs) to be performed by SBC Ohio. CLEC's shall not combine or use UNEs in a manner that will impair the ability of other Telecommunications Carriers to obtain access to UNEs or to Interconnect with SBC Ohio's network.
- 1.6 The terms and conditions contained in this Amendment, and where applicable Attachment A, shall supersede any conflicting terms and conditions contained within the CLEC's Interconnection Agreement (including any appendices) pertaining to UNE combinations, and where applicable unbundled shared transport. The CLEC's underlying contract must contain all the necessary UNEs to make any combination involving UNEs; there are no UNEs offered or otherwise provided for in this Amendment, except to the extent provided in Section 2.0 below. Unless and until an amendment providing for any UNE not included in the Agreement is reached, a combination including any such UNE cannot be ordered or implemented. This Appendix does not create, imply, or otherwise form the basis of any SBC Ohio obligation to unbundle any network element or to engage in any negotiations under 47 U.S.C. §§ 251, 252 or otherwise.
- 1.7 Other than as set forth in this Amendment, or as contained in the Agreement and which is not superseded per Section 1.6 of this Amendment, and to the extent required by Applicable Law, including relevant, lawful FCC and PUCO rules and Orders, and any relevant judicial decisions, SBC Ohio has no obligation to combine UNEs, or to combine a UNE with a network element possessed by CLEC.
- 1.8 Consistent with Applicable Law, UNEs may not be connected to or combined with SBC Ohio access services or other SBC Ohio service offerings with the exception of Collocation services and cross-connect services for the purpose of interconnection or access to UNEs where available. CLEC shall not combine or use UNEs in a manner that will impair the ability of other Telecommunications

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Carriers to obtain access to Unbundled Network Elements or to Interconnect with SBC Ohio's network.

- 1.9 This Amendment is provided as a means by which the CLEC, which has an interconnection agreement with SBC Ohio under Sections 251 and 252 of the Telecommunications Act of 1996, can obtain the rights and obligations under the Order's Non-Voluntary Terms. Nothing in this Amendment expands, contracts, or otherwise affects either Party's rights or obligations under the Agreement beyond the express provisions of this Amendment.

2. SHARED TRANSPORT

- 2.1 If applicable and agreed to by CLEC, Attachment A - "Unbundled Local Switching - Unbundled Shared Transport" is incorporated herein and made a part of this Amendment. The "Shared Transport" UNE defined and added by Attachment A and the provisions added thereby shall replace the shared transport provisions in the Agreement and shall apply with respect to this Amendment and the provisions added hereby.
- 2.2 Upon request by CLEC on a per "Unbundled Local Switching with Shared Transport" (ULS-ST) port basis (*see* Attachment A to this Amendment, which is incorporated herein, if applicable per Section 2.1 above), SBC Ohio will include with the ULS-ST a capability for the transmission of intraLATA toll calls originating from the purchasing CLEC's retail end-user customers who are being provided local exchange service using ULS-ST without the need to route such traffic through an interexchange carrier. This intraLATA toll capability is only available when the CLEC purchasing ULS-ST is also the pre-subscribed intraLATA toll carrier for the retail end-user customer being served by the ULS-ST. The capability will be provided from the SBC Ohio originating end-office where the ULS is being provided for such CLEC end-user customer.
- 2.2.1 This capability is limited to transmitting such intraLATA toll calls on SBC Ohio's existing network using the same routing tables and network facilities, including interexchange trunk groups and tandem switching, as intraLATA toll calls originated from the same end-office by SBC Ohio's retail end-user customers. To the extent that Ameritech Ohio is able to use CLEC's Carrier Identification Code (CIC) as a routing code to provision this intraLATA toll capability and upon written notice by SBC Ohio, and subject to agreement of the parties or Commission Order, CLEC's CIC shall thereafter be used for such purpose on any requests subsequently submitted and SBC Ohio and CLEC shall coordinate the substitution of CLEC's CIC for use with ULS-ST with this intraLATA toll capability.
- 2.2.2 The CLEC is solely responsible for any intercompany compensation applicable to terminating such intraLATA calls, including such charges that are payable to the Company (beginning at the trunk-side of the SBC

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Ohio terminating end office, if any) and/or third party carriers for the termination of intraLATA toll calls to their respective end users.

2.2.3 Sections 2.2 through 2.2.3, inclusive, in this Amendment are Non-Voluntary Terms and are referred to as the "IntraLATA Provisions."

3. CURRENTLY EXISTING COMBINATIONS

3.1 A "currently existing combination" includes the situation when CLEC orders all of the SBC Ohio UNEs required either to migrate an SBC Ohio end-user customer, another telecommunications carrier's pre-existing Unbundled Network Elements Platform (UNE-P) end-user customer, or CLEC's or another telecommunications carrier's resale end-user customer to a pre-existing combination.

3.2 A "currently existing combination" means a combination of UNEs that is currently in existence or requires no more effort than entering commands at a terminal (e.g., dial tone activation or cross connect activation). No physical work is required by SBC Ohio at an SBC Ohio premises, an outside plant location, or a customer premises, in order to establish physical connections between a currently existing combination of UNEs.

3.3 For each and every provision of a currently existing combination of UNEs to provide to CLEC a UNE-P with an unbundled loop and the associated unbundled local switching with shared transport (ULS-ST) combination specifically set forth below in this Section 3.3, as and to the extent specified in the Order, SBC shall charge CLEC a single non-recurring charge (NRC) of \$0.74, per combination in accordance with the Order or subsequent Commission orders:

- 2-Wire Basic Analog Loop with Basic Line Port
- 2-Wire P.B.X. Ground Start Analog Loop with Ground Start Port
- 2-Wire Basic Analog Loop with CENTREX Basic Line Port
- 2-Wire Electronic Key Line Analog Loop with CENTREX EKL Line Port
- 2-Wire 160 kbps (ISDN-BRI) Digital Loop with ISDN Direct Line Port
- 2-Wire 160 kbps (ISDN-BRI) Digital Loop with CENTREX ISDN Line Port

3.3.1 The NRC in Section 3.3 applies in lieu of NRCs for:

- Loop order
- Port order
- Loop connection

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▪ Port connection

- 3.3.1.1 ¹In SBC Ohio upon suspension of service over a UNE-P combination, if SBC Ohio does not have the ability to use the UNE-P combination (as a whole or in part) to serve its own customers or lease to other CLECs during the suspension period and it receives payment of the recurring charge for such UNE-P combination from CLEC, then the UNE-P combination is still leased to CLEC. In this situation, a service restoral order would represent a Service Order - Add/Change to an existing ULS port (as part of the existing UNE-P), and SBC Ohio is entitled to receive the PUCO-approved \$16.10 charge associated with that function.
- 3.3.1.2 ¹*In SBC Ohio only, upon suspension of service over a UNE-P combination, if SBC Ohio has the ability to use that UNE-P combination (as a whole or in part) either to serve a customer of its own, or to lease to other CLECs during the suspension period, and it does not receive payment of the recurring charges for such UNE-P combination from CLEC, then the UNE-P combination does not belong to CLEC any more and is available for use by SBC Ohio or any other LEC. In such a situation, a service restoral order would represent a service order for a UNE-P combination. If SBC Ohio has not actually separated the UNEs comprising that UNE-P combination, the restoral order shall be treated similar to a new migration, and the PUCO-approved \$0.74 nonrecurring charge will apply. However, if SBC Ohio has actually separated the UNEs comprising that UNE-P combination for its own use or other CLECs' use the restoral order shall be treated as an order for a new UNE-P combination, and the appropriate nonrecurring charge (NRC) for such UNE-P combination shall apply (i.e., the PUCO-adopted interim nonrecurring charge of \$33.88 will apply if the restoral order is for a residential UNE-P combination, or the parties are free to negotiate an interim rate if it is a non-residential UNE-P combination).

¹ Sections 3.3.1.1 and 3.3.1.2 indicates terms included pursuant to the PUCO's March 13, 2003 Entry, and shall be considered to have been arbitrated.

* As used herein, (i) "suspension of service" is the discontinuance of dial tone to a CLEC End User who is being served by CLEC via UNE-P purchased from SBC Ohio while leaving the UNE-P combination in place; and (ii) "service restoral" is a request from CLEC to reinstate service using that same UNE-P by activating dial tone to that same UNE combination.

- 3.4 For each request for a currently existing combination to provide to CLEC a UNE-P that does not fall within those unbundled loop/local switching port/shared transport combinations specified in Section 3.3, the non-recurring installation and service order charges for the requested ULS-ST port type will apply, and the appropriate service order charges for the particular unbundled loop requested will apply.
- 3.5 The NRC in Section 3.3 in this Amendment includes Non-Voluntary Terms and are referred to as the "Rate Provisions."

4. NEW UNE COMBINATIONS

- 4.1 Subject to the provisions hereof and upon CLEC request, SBC Ohio shall meet its combining obligations involving UNEs as provided in and to the extent required by Applicable Law.
- 4.2 In accordance with and subject to the provisions of this Section 4, including Section 4.3, the new UNE combinations set forth in the Schedule – UNE Combinations (Ohio) attached and incorporated into this Amendment shall be made available to CLEC as specified in the Schedule for Ohio and this Section 4.
- 4.2.1 The following combinations shall not be considered a "new UNE combination" under this Section: i) a "currently existing combination" as defined in Section 3.2., ii) the conversion of an existing qualifying special access service to a combination of unbundled loop and transport upon terms and conditions consistent with the FCC's Supplemental Order Clarification, *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, CC Docket No. 96-98, FCC 00-183 (rel. June 2, 2000).
- 4.3 The parties acknowledge that it is SBC Ohio's position, as provided in this Section 4.3, inclusive, that the United States Supreme Court in *Verizon Comm. Inc.* held that the duties in FCC Rules 51.315(c) and (d) are subject to restrictions limiting SBC Ohio's obligation to combine UNEs. For example, it is SBC Ohio's position that, without limitation, there is no obligation when the CLEC is able to make the combinations itself; and that the new UNE combinations provided in this Amendment may exceed its existing obligations as defined in *Verizon Comm. Inc.* As of the Effective Date, there has been no further ruling or other guidance provided by the FCC upon remand of *Verizon Comm. Inc.* In light of that uncertainty, and subject to the following provisions in this Section 4.3, inclusive, and the reservation of rights in Sections 7.2 and 7.3, SBC Ohio is willing to perform the actions necessary to complete the actual physical combination for those new UNE combinations set forth in the Schedule – UNE Combinations to this Amendment, subject to the following:

4.3.1 THIS SECTION LEFT BLANK INTENTIONALLY

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
OHIO EXISTING UNE-P AND NEW UNE COMBINATION AMENDMENT

4.3.2 If SBC Ohio either intends to deny or denies a request to perform the functions necessary to combine UNEs or to perform the functions necessary to combine UNEs with elements possessed by CLEC, (as well as requests where the CLEC wants SBC Ohio to complete the actual combination), SBC Ohio shall provide written notice to CLEC of such denial or of SBC Ohio's intent to deny such request, and in either event, the basis thereof. Such a notice can be given at any time, and from time to time, and for any reason supported by Applicable Law, including the limitations set forth in *Verizon Comm. Inc.* Upon such notice by SBC Ohio, the parties shall engage in good faith negotiations to amend the Agreement to set forth and delineate those functions or other actions that go beyond the ILEC obligation to perform the functions necessary to combine UNEs and combine UNEs with elements possessed by a requesting telecommunications carrier, and to eliminate any SBC Ohio obligation to perform such functions or other actions. If those negotiations do not reach a mutually agreed-to amendment within sixty (60) days after the date of any such notice, the remaining disputes between the parties regarding those functions and other actions that go beyond those functions necessary to combine UNEs and combine UNEs with elements possessed by a requesting telecommunications carrier, shall be resolved pursuant to the dispute resolution process provided for in this Agreement. If such dispute cannot be resolved to the mutual satisfaction of the parties, SBC Ohio shall initiate a proceeding before the PUCO for a determination whether such denial meets one or more applicable standards for denial, including without limitation those under the FCC rules and orders, *Verizon Comm. Inc.*, and the Agreement, including Section 4 of this Amendment. CLEC reserves its rights to initiate a proceeding before the Commission if such dispute is not resolved between the parties.

4.4 For a new UNE combination in a Schedule -- UNE Combinations, CLEC shall issue appropriate service requests. These requests will be processed by SBC Ohio, and CLEC will be charged the applicable UNE service order charge(s), in addition to the recurring and nonrecurring charges for each individual UNE and cross connect ordered. Except that an interim nonrecurring charge, subject to true-up, for providing a new UNE-P combination for residential local exchange service shall be \$33.88, pursuant to the Order or as modified on Rehearing or Appeal. Section 2.3.3.4 in this Amendment is a Non-Voluntary Term and is referred to as a "Rate Provision."

4.5 CLEC requests for a new UNE combination that is not listed in Schedule -- UNE Combinations (Ohio), or for a combination of UNE(s) with elements possessed by CLEC, and subject to the terms of this Section, including Section 4.3, 7.2 and 7.3, inclusive, shall be made by CLEC in accordance with either the bona fide requestor special request process applicable under the Agreement (generically

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
OHIO EXISTING UNE-P AND NEW UNE COMBINATION AMENDMENT

referred to as "BFR") or the Bona Fide Request for Ordinarily Combined Combinations (BFR-OC) process as set forth below Section 4.6, whichever is applicable. Any BFR or BFR-OC for such a new UNE combination is subject to the provisions of the Agreement, except to the extent modified by any requirements, criteria and conditions provided for in this Amendment. The recurring and non-recurring charges applicable to other new combinations involving UNEs requested by the CLEC, via either the BFR or the BFR-OC process as specified in this Section, will be assessed based on the resulting combination as defined in the BFR or the BFR-OC Final Quote.

- 4.6 A Bona Fide Request Process for Ordinarily Combined Combinations (BFR-OC) is CLEC's written request to SBC Ohio to provide an ordinarily combined combination of unbundled network elements not specifically identified on the Schedule - UNE Combinations. The BFR-OC Process may only be used for those new UNE combinations that are "ordinarily combined" by SBC Ohio. A new UNE combination will be considered "ordinarily combined" unless (1) SBC Ohio does not provide services using such a combination of unbundled network elements, (2) where SBC Ohio does provide services using such combinations, such provisioning is extraordinary (i.e., a limited UNE combination created in order to provide service to a customer under a unique and generally nonrecurring set of circumstances), or (3) the UNE combination contains a network element, feature, or functionality that SBC Ohio is not required to provide as, or in conjunction with, an Unbundled Network Element pursuant to the FCC and PUCO requirements.
- 4.6.1 When CLEC submits a BFR-OC it shall provide a technical description of each requested feature, capability, functionality and/or unbundled network element requested, including specification of what UNEs the CLEC requests SBC Ohio to combine.
- 4.6.2 For all requests submitted via the BFR-OC process, SBC Ohio will notify CLEC within 10 calendar days of receipt of the complete BFR-OC whether SBC Ohio will accept or reject the BFR-OC.
- 4.6.3 For each complete BFR-OC accepted by SBC Ohio, it will provide the requesting CLEC within 30 calendar days of receipt of the complete BFR-OC a preliminary analysis (i.e., a high level estimate of the rate for the requested UNE combination), together with general terms and conditions that may apply to the offering.
- 4.6.4 If the CLEC notifies SBC Ohio in writing within 30 calendar days of receipt of SBC Ohio's preliminary analysis that the CLEC wants the SBC Ohio to proceed with development of the "ordinarily combined" UNE combination, SBC Ohio will provide CLEC a Final Quote within 60 calendar days of receipt of the written notification to proceed. The Final

Quote will include a price quote, a firm delivery date, and any necessary terms and conditions.

- 4.6.5 For each complete BFR-OC rejected by SBC Ohio, it will provide the factors upon which the rejection decision was based. If the BFR-OC is rejected because it was a for a combination not ordinarily combined, the CLEC may, at its option, resubmit the request as a standard BFR, according to the provisions of the Agreement.
- 4.6.6 SBC Ohio will waive its standard fees associated with the costs for the development of its Preliminary Analysis and Final Quote in the case of a BFR-OC.
- 4.6.7 None of the time periods shall begin to run until a complete BFR-OC application required by SBC Ohio is received.
- 4.7 If CLEC requests new UNE combinations that are not "ordinarily combined" by SBC Ohio, such request shall be made by CLEC in accordance with the bona fide request or special request process applicable under the Agreement (generically referred to as "BFR"). In any such BFR, CLEC must designate among other things the UNE(s) sought to be combined and the needed location(s), the order in which the UNEs and any CLEC elements are to be connected, and how each connection (e.g., cross-connected) is to be made between an SBC Ohio UNE and the network element(s) possessed by CLEC.
 - 4.7.1 In addition to any other applicable charges, and to the extent not already provided for in the BFR in the Agreement, CLEC shall be charged a reasonable cost-based fee for any combining work that is required to be done by SBC Ohio under Section 4. Such cost-based fee shall be calculated using the Time and Material charges as reflected in State-specific pricing. SBC Ohio's preliminary substantive response to the BFR shall include an estimate of such fee for the specified combining. With respect to a BFR in which CLEC requests SBC Ohio to perform work not required by Section 4, CLEC shall be charged a market-based rate for any such work.
- 4.8 Without affecting the other provisions hereof, and consistent with Applicable Law, the UNE combining obligations referenced in this Section 4, and subject to the provisions of this Section 4, including Section 4.3, inclusive, apply only in situations where each of the following is met:
 - 4.8.1 it is technically feasible, including that network reliability and security would not be impaired; and
 - 4.8.2 it would not impair the ability of other Telecommunications Carriers to obtain access to UNEs or to Interconnect with SBC Ohio's network.

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
OHIO EXISTING UNE-P AND NEW UNE COMBINATION AMENDMENT

- 4.9 The UNE combination known as an "enhanced extended loop" or "EEL" (a combination of a UNE loop and UNE dedicated transport, with appropriate Cross-Connects, and when needed, multiplexing) shall only be provided to CLEC to the extent that the EEL is used to provide a significant amount of local exchange service to a particular End User customer (this limitation is the same as the requirements set forth in the FCC's Supplemental Order Clarification in CC Docket No. 96-98, FCC 00-183 (rel. June 2, 2000));
- 4.10 SBC Ohio need not provide combinations involving network elements that do not constitute required UNEs, or where UNEs are not requested for permissible purposes.

5. AMENDMENT EFFECTIVE DATE AND TERM

- 5.1 CLEC may accept this entire Amendment by requesting in writing to SBC Account Manager. Based on PUCO practice, this Amendment shall be filed within ten calendar days of full execution. The "Amendment Effective Date" shall be the date of filing. The Amendment will be deemed approved by operation of law on the 31st day after filing (unless otherwise directed by PUCO).
- 5.2 This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreement; provided, however, this Amendment, in whole or in part, may terminate or expire earlier pursuant to other provisions of this Amendment, including Section 6. Nothing in this Amendment shall be deemed to extend the term of the Agreement.
- 5.3 This Amendment contains a group of legitimately related provisions and, as such, cannot be modified by incorporating, via Section 252(i) of the Act or otherwise, provisions from other interconnection agreements into this Amendment

6. APPLICATION OF FEDERAL REQUIREMENTS AND OBLIGATIONS

- 6.1 The Parties acknowledge and agree that this Amendment is the result of the PUCO Order. SBC Ohio is not admitting that the IntraLATA Provisions are a result of any Section 251 or 252 obligation or any requirement arising in *In the Matter of the SBC/Ameritech Merger*, CC Docket No. 98-141, nor is it waiving its rights to take any position with respect to the application of the Section 251/252 process to the IntraLATA Provisions or to any obligation arising with respect to the Order, or *In the Matter of the SBC/Ameritech Merger*, CC Docket No. 98-141. The Parties further acknowledge that it is SBC Ohio's position that because the Non-Voluntary Terms are being incorporated herein solely due to the Order, the Non-Voluntary Terms and legitimately related terms do not qualify for portability under Paragraph 43 of the SBC/Ameritech Merger Conditions, approved by the FCC's Memorandum Opinion and Order, CC Docket 98-141 (rel. October 8,

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
OHIO EXISTING UNE-P AND NEW UNE COMBINATION AMENDMENT

1999), or any other applicable MFN Merger Conditions and are not available in any state other than the State of Ohio. The parties further acknowledge that it is SBC Ohio's position that this Amendment was therefore agreed upon outside of the negotiation procedures of 47 U.S.C. § 252(a)(1). (See SBC/Ameritech Order in CC Docket No. 98-141, FCC 99-279 at Condition 43, and Note 725). The parties further acknowledge that it is SBC Ohio's position that the entirety of this Amendment and its provisions are non-severable, and are "legitimately related" as that phrase is understood under Section 252(i) of Title 47, United States Code.

7. RESERVATIONS OF RIGHTS

7.1 THIS SECTION LEFT BLANK INTENTIONALLY

7.2 With this Amendment, neither Party waives and each party to this Amendment, expressly reserves, all of its rights, remedies, and arguments with respect to changes to or interpretations of the FCC's existing regulations, and as to any other regulatory, legislative or judicial action(s) which relate to the matters addressed in this Amendment, including, but not limited to, any legal or equitable rights of review and remedies (including agency reconsideration and court review). Accordingly, each party reserves the right to withdraw, revise or otherwise modify its agreement to this Amendment consistent with changes to or interpretations of the FCC's existing regulations and/or any other relevant regulatory, judicial or legislative action.

7.3 This Amendment does not in any way prohibit, limit, or otherwise affect either Party from taking any position with respect to the PUCO's Order or any issue or subject addressed or implicated therein, or from raising and pursuing its rights and abilities with respect to the Order or any issue or subject addressed or implicated therein, or any legislative, regulatory, administrative or judicial action with respect to any of the foregoing.

7.4 Sections 7.1, 7.2 and 7.3 are cumulative, and apply in accordance with their terms regardless of any change of law provision or any other provision in the Agreement or this Amendment.

8. MISCELLANEOUS

8.1 The Agreement, as amended hereby, shall remain in full force and effect until terminated pursuant to its terms. On and from the Amendment Effective Date, reference to the Agreement in any notices, requests, orders, certificates and other documents shall be deemed to include this Amendment, whether or not reference is made to this Amendment, unless the context shall be otherwise specifically noted.

SBC-AMERITECH OHIO/ AT&T
INTERCONNECTION AGREEMENT

- 8.2 This Amendment may be executed in counterparts, each of which shall be deemed an original but all of which when taken together shall constitute a single agreement.
- 8.3 This Amendment constitutes the entire Amendment between the parties and supersedes all previous proposals, both verbal and written.

IN WITNESS WHEREOF, each Party have caused this Amendment to be executed by its duly authorized representatives.

CLEC

The Ohio Bell Telephone Company d/b/a
SBC Ohio
by SBC Telecommunications, Inc., its
authorized agent

By: _____

By: _____

Printed: _____

Printed: _____

Title: _____

Title: _____

Date: _____

Date: _____

APPENDIX TO ARTICLE IX AND SCHEDULE 9.3
OHIO EXISTING UNE-P AND NEW UNE COMBINATION AMENDMENT

AMENDMENT NO. 1
TO INTERCONNECTION AGREEMENT
By and Between
THE OHIO BELL TELEPHONE COMPANY
d/b/a SBC OHIO
AND
AT&T COMMUNICATIONS OF OHIO, INC.

The Interconnection Agreement, which became effective on April 24, 2003 (“the Agreement”), by and between The Ohio Bell Telephone Company d/b/a SBC Ohio (“SBC Ohio”) and AT&T Communications of Ohio, Inc. (“AT&T”) is hereby amended as follows:

- 1.0 The following language has been added to Article 34, as Section 34.6.1:

34.6.1 Reverse Directory Assistance (RDA) - An informational service which consists of providing listed local and national name and address information associated with a telephone number that AT&T End Users provide.
- 2.0 The Pricing Schedule is hereby amended by adding the rates as shown in Attachment A for the service provided hereunder.
- 3.0 This Amendment is subject to the provisions in the underlying Agreement, including, but not limited to, Section 29.3: Amendment or Other Changes to the Act; Reservation of Rights.
- 4.0 This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with the underlying Agreement.
- 5.0 EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS FOR THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT, and such terms are hereby incorporated by reference and the Parties hereby reaffirm the terms and provisions thereof.
- 6.0 This Amendment shall be filed with and is subject to approval by the Public Utility Commission of Ohio.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2003, by SBC Ohio, signing by and through its duly authorized representative, and AT&T, signing by and through its duly authorized representative.

**AT&T Communications of
Ohio, Inc.**

*** The Ohio Bell Telephone Company
d/b/a SBC Ohio by SBC Telecommunications,
Inc., its Authorized Agent**

By: _____

By: _____

Title: District Manager

Title: President - Industry Markets

Name: Kathleen Whiteaker
(Print or Type)

Name: _____
(Print or Type)

Date: _____

Date: _____

* By entering into this Amendment, SBC Ohio does not waive any of its rights, remedies or arguments with respect to any orders, decisions or proceedings and any remands thereof, including but not limited to its rights under the United States Supreme Court's opinion in *Verizon v. FCC, et al.* 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) ("USTA decision"); the FCC's Triennial Review Order, adopted on February 20, 2003, on remand from the USTA decision and pursuant to the FCC's Notice of Proposed Rulemaking, *Review of Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338 (FCC 01-361) (rel. Dec. 20, 2001); the FCC's Order *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, 15 FCC Rcd 1760 (FCC 99-370) (rel. Nov. 24, 1999), including its Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000) in CC Docket 96-98; or the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) (the "ISP Inter-carrier Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002). Rather, in entering into this Amendment, SBC Ohio fully reserves all of its rights, remedies and arguments with respect to any decisions, orders or proceedings, including but not limited to its right to dispute whether any UNEs and/or UNE combinations identified in the Agreement and this Amendment must be provided under Sections 251(c)(3) and 251(d) of the Act, and under this Agreement. In addition to fully reserving its other rights, SBC Ohio reserves its right to exercise its option at any time in the future to invoke the Intervening Law or Change of Law provisions in the Agreement as set forth therein and specifically, in the event that the FCC, a state regulatory agency or a court of competent jurisdiction, in any proceeding finds, rules and/or otherwise renders that any of the UNEs and/or UNE combinations provided for under this Agreement and this Amendment do not meet the necessary and impair standards set forth in Section 251(d)(2) of the Act. SBC Ohio also reserves the right to adopt on a date specified by SBC Ohio, the FCC ISP terminating compensation plan, after which date ISP-bound traffic will be subject to the FCC's prescribed terminating compensation rates, and other terms and conditions.

SBC OHIO/AT&T
OHIO
ICA
PRICING SCHEDULE

Attachment A
RDA Amendment
SBC Ohio/AT&T

OHIO	AIT	AIT
	Recurring	Non-recurring
OTHER		
Directory Assistance		
Reverse Directory Assistance, per call - Facility Based	\$ 0.35	NA
Reverse Directory Assistance, per call - UNE-P	\$ 1.25	NA
RESALE	Resale Discounts	
	Recurring	Non-recurring
DIRECTORY ASSISTANCE SERVICES		
Reverse Directory Assistance	0.00%	NA

AMENDMENT NO. 4
TO INTERCONNECTION AGREEMENT

By and Between

OHIO BELL TELEPHONE COMPANY
d/b/a SBC OHIO

AND

AT&T COMMUNICATIONS OF OHIO, INC.

**RECIPROCAL COMPENSATION AMENDMENT (ADOPTING FCC INTERIM
TERMINATING COMPENSATION PLAN)**

This Reciprocal Compensation Amendment (Adopting FCC Interim Terminating Compensation Plan) ("Amendment") between SBC Telecommunications, Inc., on behalf of and as agent for Ohio Bell Telephone Company, d/b/a SBC OHIO (hereinafter "SBC OHIO") and AT&T Communications of Ohio, Inc. ("AT&T").

WHEREAS, SBC OHIO and AT&T entered into an interconnection agreement pursuant to Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act") for the state of Ohio that became effective on April 24, 2003 (the "ICA"); and

WHEREAS, for the state of Ohio, the Parties desire to enter into an amendment to the current ICA setting forth the terms, conditions and rates for invoking the FCC interim terminating compensation plan on and after June 1, 2003.

NOW, THEREFORE, for and in consideration of the premises, mutual promises and covenants contained in this Amendment, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1.0 Scope of Agreement

- 1.1 This Amendment is intended to supercede any and all contract sections, appendices, attachments, rate schedules, or other portions of the underlying ICA that set forth rates, terms and conditions for the terminating compensation for (i) ISP-bound traffic as set forth in the FCC's Order on Remand and Report and Order, In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound

Traffic, FCC 01-131, CC Docket Nos. 96-98, 99-68 (rel. April 27, 2001) ("FCC ISP Compensation Order") (hereinafter "ISP-bound Traffic") and traffic as set forth in Section 251(b)(5) of the Act (hereinafter "Section 251(b)(5) Traffic") exchanged between SBC OHIO and AT&T if Option 1 is accepted by AT&T in accordance with Exhibit A, and (ii) solely ISP-bound Traffic exchanged between SBC OHIO and AT&T if Option 2 applies in accordance with Exhibit A.

- 1.2 Any inconsistencies between the provisions of this Amendment and other provisions of the current ICA will be governed by the provisions of this Amendment, unless this Amendment is specifically and expressly superseded by a future amendment between the Parties in accordance with the change of law, intervening law or regulatory change provisions of the underlying interconnection agreement.

2.0 Scope of Amendment

- 2.1 The Parties agree to amend the underlying ICA with the provisions set forth in Exhibit A.

3.0 Miscellaneous

- 3.1 This Amendment will be effective as of June 1, 2003, contingent upon any necessary commission approval of the Amendment.
- 3.2 To the extent that compensation for ISP-bound Traffic and Section 251(b)(5) Traffic on or after June 1, 2003 was already billed and/or paid prior to the time that the state commission approved this Amendment, the Parties agree to implement any adjustments, reimbursements, or other "true ups" necessary to make the rates and terms set forth in this Amendment effective for all such traffic terminated on and after June 1, 2003.
- 3.3 In entering into this Amendment, the Parties acknowledge and agree that neither Party is waiving any of its rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement with respect to any orders, decisions, legislation or proceedings and any remands thereof, including but not limited to its rights under the United States Supreme Court's opinion in *Verizon v. FCC, et al*, 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) ("USTA decision"); the FCC's Triennial Review Order, adopted on February 20, 2003, released on August 21, 2003, and published in the Federal Register on September 2, 2003, on remand from the USTA decision and pursuant to the FCC's Notice of Proposed Rulemaking, *Review of Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No.

01-338 (FCC 01-361) (rel. Dec. 20, 2001); the FCC's Order *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, 15 FCC Rcd 1760 (FCC 99-370) (rel. Nov. 24, 1999), including its Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("ISP Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002). In entering into this Amendment, each Party fully reserves all of its rights, remedies and arguments with respect to any decisions, orders or proceedings.

IN WITNESS WHEREOF, this Reciprocal Compensation Amendment (Adopting FCC Interim Terminating Compensation Plan) was exchanged in triplicate on this _____ day of _____, 2003, by SBC OHIO, signing by and through its duly authorized representative, and AT&T, signing by and through its duly authorized representative.

**AT&T Communications of
Ohio, Inc.**

**Ohio Bell Telephone Company
d/b/a SBC OHIO by SBC
Telecommunications, Inc., its Authorized
Agent**

By: _____

By: _____

Title: District Manager

Title: f/President - Industry Markets

Name: Kathleen Whiteaker
(Print or Type)

Name: _____
(Print or Type)

Date: _____

Date: _____

EXHIBIT A

4.11 FCC's Interim ISP Terminating Compensation Plan

- 4.11.1 SBC OHIO has made an offer to all telecommunications carriers in the state of Ohio ("the Offer") to exchange on or after June 1, 2003 all "Section 251(b)(5) Traffic" and all "ISP-bound Traffic" pursuant to the terms and conditions of the FCC terminating compensation plan of the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, *In the Matter of the Local Competition Provisions in the Telecommunications Act of 1996; Intercarrier Compensation for ISP Bound Traffic* (the "FCC's Interim ISP Compensation Order"). For purposes of this Agreement, ISP-bound traffic as set forth in the FCC's Order on Remand and Report and Order, In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic, FCC 01-131, CC Docket Nos. 96-98, 99-68 (rel. April 27, 2001) ("FCC ISP Compensation Order") shall be referred to as "ISP-bound Traffic," and traffic as set forth in Section 251(b)(5) of the Act shall be referred to as "Section 251(b)(5) Traffic." Unless or until AT&T makes a one-time election to accept this offer to exchange traffic pursuant to Option 1 as set forth below by providing thirty (30) days advance written notice to SBC OHIO, SBC OHIO and AT&T will operate pursuant to the provisions of Option 2, as set forth below. Upon AT&T's election of the offer, the rates, terms and conditions of Option 1 will become effective on the 31st day after notice.

OPTION 1 (Exchange all ISP-bound Traffic and All Section 251(b)(5) Traffic at the FCC Interim ISP Terminating Compensation Plan Rate) – Sections 4.11.2 through 4.11.8

- 4.11.2 Intercarrier Compensation for ISP-bound Traffic and Section 251(b)(5) Traffic
- 4.11.2.1 The rates, terms, conditions in Sections 4.11.2 through 4.11.8 apply to the termination of all ISP-bound Traffic, and all Section 251(b)(5) Traffic. ISP-bound Traffic is subject to the growth caps and new market restrictions stated in Sections 4.11.3 and 4.11.4 below.
- 4.11.2.2 The Parties agree to compensate each other for the transport and termination of ISP-bound Traffic and Section 251(b)(5) Traffic on a minute of use basis, at \$.001 per minute of use from June 1, 2003 through June 14, 2003, and \$.0007 per minute of use commencing on June 15, 2003, and thereafter.

4.11.2.3 Payment of Intercarrier Compensation on ISP-bound Traffic and Section 251(b)(5) Traffic will not vary according to whether the traffic is routed through a tandem switch or directly to an end office switch.

4.11.3 ISP- bound Traffic Growth Cap

4.11.3.1 On a calendar year basis, as set forth below, each Party agrees to cap its overall ISP-bound Traffic minutes of use based upon the 1st Quarter 2001 ISP minutes for which that Party was entitled to compensation under its Interconnection Agreement(s) in existence for the 1st Quarter of 2001, on the following schedule:

Calendar Year 2001	1st Quarter 2001 compensable ISP-bound Traffic minutes, times 4, times 1.10
Calendar 2002	Year 2001 compensable ISP-bound Traffic minutes, times 1.10
Calendar Year 2003	Year 2002 compensable ISP-bound Traffic minutes
Calendar Year 2004 and thereafter	Year 2002 compensable ISP-bound Traffic minutes

Neither Party may fail to pay reciprocal compensation for ISP-bound Traffic to the other Party based on the application of the foregoing growth caps until the aggregate amount of ISP-bound Traffic billed by the other Party exceeds the applicable maximum number of minutes of ISP-bound Traffic that may be compensated for the entire year. Notwithstanding anything contrary herein, in Calendar Year 2003, the Parties agree that ISP-bound Traffic exchanged between the parties during the entire period from January 1, 2003 until December 31, 2003 shall be counted towards determining whether AT&T has exceeded the growth caps for Calendar Year 2003.

4.11.3.2 ISP-bound Traffic minutes that exceed the applied growth cap will be Bill and Keep. "Bill and Keep" refers to an arrangement in which neither of two interconnecting parties charges the other for terminating traffic that originates on the other party's network.

4.11.4 Bill and Keep for ISP-bound Traffic in New Markets

4.11.4.1 This Agreement is subject to the provisions of Paragraph 81 of the FCC's Interim ISP Compensation Order; provided, however, the Parties disagree what constitutes a market for purposes of the Bill and Keep provisions of Paragraph 81. AT&T specifically disputes that the new market restrictions of Paragraph 81 would ever apply to AT&T in the state of Ohio because, among other things, AT&T has a state-wide interconnection agreement for the state of Ohio. SBC OHIO disagrees with AT&T's interpretation of Paragraph 81. To the extent that SBC OHIO believes that AT&T's ISP-bound Traffic is subject to Bill and Keep under Paragraph 81, SBC OHIO shall notify AT&T and the Parties shall negotiate in good faith to reach agreement on the treatment of such ISP-bound Traffic within thirty (30) days of such notice. If the Parties are unable to reach agreement on the treatment of such traffic under Paragraph 81 within such thirty (30) day period, either Party may submit such dispute to the appropriate regulatory or judicial authority for determination. By entering into the Amendment, both Parties reserve the right to advocate their respective positions relating to Paragraph 81 before state or federal commissions whether in bilateral complaint dockets, arbitrations under Section 252 of the Act, Commission established rulemaking dockets, or before any judicial or legislative body.

4.11.5 Growth Cap and New Market Bill and Keep Arrangements

4.11.5.1 Wherever Bill and Keep for ISP-bound Traffic is the traffic termination arrangement between AT&T and SBC OHIO, both Parties shall segregate the Bill and Keep traffic from other compensable traffic either (a) by excluding the Bill and Keep minutes of use from other compensable minutes of use in the monthly billing invoices, or (b) by any other means mutually agreed upon by the Parties.

4.11.5.2 The Growth Cap and New Market Bill and Keep arrangement applies only to ISP-bound Traffic, and does not include Transit traffic, Optional Calling Area traffic, IntraLATA Interexchange traffic, or InterLATA Interexchange traffic.

4.11.6 ISP-bound Traffic Rebuttable Presumption

4.11.6.1 In accordance with Paragraph 79 of the FCC's ISP Compensation Order, AT&T and SBC OHIO agree that there is a rebuttable presumption that any of the combined Section 251(b)(5) traffic and ISP-bound Traffic exchanged between AT&T and SBC OHIO exceeding a 3:1 terminating to originating ratio is presumed to be ISP-bound Traffic subject to the compensation and growth cap terms in this Option 1. Either Party has the right to rebut the 3:1 ISP-bound Traffic presumption by identifying the actual ISP-bound Traffic by any means

mutually agreed by the Parties, or by any method approved by the Commission. If a Party seeking to rebut the presumption takes appropriate action at the Commission pursuant to Section 252 of the Act and the Commission agrees that such Party has rebutted the presumption, the methodology and/or means approved by the Commission for use in determining the ratio shall be utilized by the Parties as of the date of the Commission approval and, in addition, shall be utilized to determine the appropriate true-up as described below. During the pendency of any such proceedings to rebut the presumption, AT&T and SBC OHIO will remain obligated to pay the presumptive rates (reciprocal compensation rates for traffic below a 3:1 ratio, the rates set forth in Section 4.11.2.2 for traffic above the ratio) subject to a true-up upon the conclusion of such proceedings. Such true-up shall be retroactive back to the date a Party first sought appropriate relief from the Commission.

4.11.7 Billing

4.11.7.1 For purposes of this Section 4.11.7.1, all Section 251(b)(5) Traffic and all ISP-bound Traffic shall be referred to as "Billable Traffic." The Party that transports and terminates more Billable Traffic ("Out-of-Balance Carrier") will, on a monthly basis, calculate (i) the amount of such traffic to be compensated at the FCC interim ISP terminating compensation rate set forth in Section 4.11.2.2 above and (ii) the amount of such traffic subject to bill and keep in accordance with Sections 4.11.3 and 4.11.4 above. The Out-of-Balance Carrier will invoice on a monthly basis the other Party in accordance with the provisions in this Amendment and the FCC interim ISP terminating compensation plan. The Parties will mutually agree on the billing periods to be used in the monthly calculation for presumed ISP-bound Traffic and for Section 251(b)(5) Traffic.

4.11.8 AT&T and SBC OHIO agree that nothing in this Agreement is meant to affect or determine the appropriate treatment of Voice Over Internet Protocol (VOIP) traffic under this or future Interconnection Agreements. The Parties further agree that this Agreement shall not be construed against either party as a "meeting of the minds" that VOIP traffic is or is not 251(b)(5) Traffic subject to reciprocal compensation. By entering into the Amendment, both Parties reserve the right to advocate their respective positions before state or federal commissions whether in bilateral complaint dockets, arbitrations under Section 252 of the Act, Commission established rulemaking dockets, or before any judicial or legislative body.

OPTION 2 - (Exchange Only ISP-bound Traffic at the FCC's Interim ISP Terminating Compensation Plan Rate) – Sections 4.11.9 through 4.11.15

4.11.9 Intercarrier Compensation for ISP-bound Traffic

4.11.9.1 The rates, terms, conditions in Sections 4.11.9 through 4.11.15 apply only to the termination of ISP-bound Traffic and subject to the growth caps and new market restrictions stated in Sections 4.11.10 and 4.11.11 below.

4.11.9.2 The Parties agree to compensate each other for the transport and termination of ISP-bound Traffic and Section 251(b)(5) Traffic on a minute of use basis, at \$.001 per minute of use from June 1, 2003 through June 14, 2003, and \$.0007 per minute of use commencing on June 15, 2003 and thereafter.

4.11.9.3 Payment of Intercarrier Compensation on ISP-bound Traffic will not vary according to whether the traffic is routed through a tandem switch or directly to an end office switch.

4.11.10 ISP- bound Traffic Growth Cap

4.11.10.1 On a calendar year basis, as set forth below, each Party agrees to cap its overall ISP-bound Traffic minutes of use based upon the 1st Quarter 2001 ISP minutes for which that Party was entitled to compensation under its Interconnection Agreement(s) in existence for the 1st Quarter of 2001, on the following schedule:

Calendar Year 2001	1st Quarter 2001 compensable ISP-bound Traffic minutes, times 4, times 1.10
Calendar 2002	Year 2001 compensable ISP-bound Traffic minutes, times 1.10
Calendar Year 2003	Year 2002 compensable ISP-bound Traffic minutes
Calendar Year 2004 and thereafter	Year 2002 compensable ISP-bound Traffic minutes

Neither Party may fail to pay reciprocal compensation for ISP-bound Traffic to the other Party based on the application of the foregoing growth caps until the aggregate amount of ISP-bound Traffic billed by the other Party exceeds the applicable maximum number of minutes of ISP-bound Traffic that may be compensated for the entire year. Notwithstanding anything to the contrary herein, in Calendar Year 2003, the Parties agree that ISP-bound Traffic

exchanged between the parties during the entire period from January 1, 2003 until December 31, 2003 shall be counted towards determining whether AT&T has exceeded the growth caps for Calendar Year 2003.

- 4.11.10.2 ISP-bound Traffic minutes that exceed the applied growth cap will be Bill and Keep. "Bill and Keep" refers to an arrangement in which neither of two interconnecting parties charges the other for terminating traffic that originates on the other party's network.
- 4.11.11 Bill and Keep for ISP-bound Traffic in New Markets
 - 4.11.11.1 This Agreement is subject to the provisions of Paragraph 81 of the FCC's Interim ISP Compensation Order; provided, however, the Parties disagree what constitutes a market for purposes of the Bill and Keep provisions of Paragraph 81. AT&T specifically disputes that the new market restrictions of Paragraph 81 would ever apply to AT&T in the state of Ohio because, among other things, AT&T has a state-wide interconnection agreement for the state of Ohio. SBC OHIO disagrees with AT&T's interpretation of Paragraph 81. To the extent that SBC OHIO believes that AT&T's ISP-bound Traffic is subject to Bill and Keep under Paragraph 81, SBC OHIO shall notify AT&T and the Parties shall negotiate in good faith to reach agreement on the treatment of such ISP-bound Traffic within thirty (30) days of such notice. If the Parties are unable to reach agreement on the treatment of such traffic under Paragraph 81 within such thirty (30) day period, either Party may submit such dispute to the appropriate regulatory or judicial authority for determination. By entering into the Amendment, both Parties reserve the right to advocate their respective positions relating to Paragraph 81 before state or federal commissions whether in bilateral complaint dockets, arbitrations under Section 252 of the Act, Commission established rulemaking dockets, or before any judicial or legislative body.
- 4.11.12 Growth Cap and New Market Bill and Keep Arrangements
 - 4.11.12.1 Wherever Bill and Keep for ISP-bound Traffic is the traffic termination arrangement between AT&T and SBC OHIO, both Parties shall segregate the Bill and Keep traffic from other compensable traffic either (a) by excluding the Bill and Keep minutes of use from other compensable minutes of use in the monthly billing invoices, or (b) by any other means mutually agreed upon by the Parties.

4.11.12.2 The Growth Cap and New Market Bill and Keep arrangement applies only to ISP-bound Traffic, and does not include Transit traffic, Optional Calling Area traffic, IntraLATA Interexchange traffic, or InterLATA Interexchange traffic.

4.11.13 ISP-bound Traffic Rebuttable Presumption

4.11.13.1 In accordance with Paragraph 79 of the FCC's ISP Compensation Order, AT&T and SBC OHIO agree that there is a rebuttable presumption that any of the combined Section 251(b)(5) traffic and ISP-bound Traffic exchanged between AT&T and SBC OHIO exceeding a 3:1 terminating to originating ratio is presumed to be ISP-bound Traffic subject to the compensation and growth cap terms in this Option 2. Either Party has the right to rebut the 3:1 ISP-bound Traffic presumption by identifying the actual ISP-bound Traffic by any means mutually agreed by the Parties, or by any method approved by the Commission. If a Party seeking to rebut the presumption takes appropriate action at the Commission pursuant to Section 252 of the Act and the Commission agrees that such Party has rebutted the presumption, the methodology and/or means approved by the Commission for use in determining the ratio shall be utilized by the Parties as of the date of the Commission approval and, in addition, shall be utilized to determine the appropriate true-up as described below. During the pendency of any such proceedings to rebut the presumption, AT&T and SBC OHIO will remain obligated to pay the presumptive rates (reciprocal compensation rates for traffic below a 3:1 ratio, the rates set forth in Section 4.11.9.2 for traffic above the ratio) subject to a true-up upon the conclusion of such proceedings. Such true-up shall be retroactive back to the date a Party first sought appropriate relief from the Commission.

4.11.14 Billing

4.11.14.1 For purposes of this Section 4.11.14, all Section 251(b)(5) Traffic and all ISP-bound Traffic shall be referred to as "Billable Traffic." The Party that transports and terminates more Billable Traffic ("Out-of-Balance Carrier") will, on a monthly basis, calculate (i) the amount of such traffic to be compensated at the Section 251(b)(5) reciprocal compensation rates set forth in the **Pricing Schedule**, (ii) the amount of such traffic to be compensated at the FCC interim ISP terminating compensation rate set forth in Section 4.11.9.2 above, and (iii) the amount of such traffic subject to Bill and Keep in accordance with Sections 4.11.10 and 4.11.11 above. The Out-of-Balance Carrier will invoice on a monthly basis the other Party in accordance with the provisions in this Amendment and the FCC interim ISP terminating compensation plan. The Parties will mutually agree on the billing periods to be used in the monthly calculation for presumed ISP-bound Traffic and for Section 251(b)(5) Traffic.

- 4.11.15 AT&T and SBC OHIO agree that nothing in this Agreement is meant to affect or determine the appropriate treatment of Voice Over Internet Protocol (VOIP) traffic under this or future Interconnection Agreements. The Parties further agree that this Agreement shall not be construed against either party as a "meeting of the minds" that VOIP traffic is or is not 251(b)(5) Traffic subject to reciprocal compensation. By entering into the Amendment, both Parties reserve the right to advocate their respective positions before state or federal commissions whether in bilateral complaint dockets, arbitrations under Section 252 of the Act, Commission established rulemaking dockets, or before any judicial or legislative body.

**AMENDMENT
TO INTERCONNECTION AGREEMENT
BY AND BETWEEN
THE OHIO BELL TELEPHONE COMPANY d/b/a SBC OHIO
AND
NEUTRAL TANDEM-MICHIGAN, LLC (“CLEC”)**

WHEREAS, Neutral Tandem-Michigan, LLC has requested to adopt individual interconnection, network element and/or service arrangements (“MFN Provisions”) contained in the separate Interconnection Agreement between The Ohio Bell Telephone Company d/b/a SBC Ohio¹ (“SBC Ohio”) and AT&T Communications of Ohio, Inc. (“Underlying Carrier”) for the state of Ohio (the “Separate Agreement”), pursuant to Section 252(i) of the Act; and

WHEREAS, the Separate Agreement, including without limitation the MFN Provisions, has been noticed for change in law/intervening law as a result of one or more of the following government action(s): the D.C. Circuit’s decision in *Verizon Communications, Inc. v. FCC*, Nos. 00-511, 00-555, 00-587, 00-590, 00-602, 2002 U.S. Lexis 3559 and in *United States Telecom Association v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) (“*USTA I*”), and the FCC’s Triennial Review Order, *In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers*, CC Docket No. 01-338, Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, CC Docket No. 96-98, Deployment of Wireline Services Offering Advanced Telecommunications Capability, CC Docket No. 98-147 (FCC 03-36) (rel. August 21, 2003) (“TRO”) collectively “Government Actions”; and

WHEREAS, on March 2, 2004, following remand and appeal of the D.C. Circuit’s decision in *USTA I*, the D.C. Circuit issued another decision, *USTA v. FCC*, Case No. 00-1012 (D.C. Cir. 2004) (“*USTA II*”), ruling that the FCC’s TRO is unlawful in many respects and although the mandate for *USTA II* has not yet issued, the Parties acknowledge and agree that *USTA II* will constitute an intervening law/change in law event under the Separate Agreement, including without limitation the MFN Provisions and the Parties’ Agreement; and

WHEREAS, the Parties acknowledge and agree that CLEC’s adoption of the MFN Provisions is subject to the previous invocation of the intervening law/change in law provision(s) in the Separate Agreement as to the Verizon and *USTA I* decisions and the TRO (and any other prior change in law notice(s)), and as to any change in law/intervening law notices which are provided as to *USTA II*, and with respect to any future lawful and effective FCC rules and associated FCC and judicial orders (collectively “Government Actions”); and

WHEREAS, the Parties hereby agree that following the date upon which the Commission has approved or is deemed to have approved the conforming changes to the MFN Provisions which are negotiated or resolved via dispute resolution between the Underlying Carrier and SBC Ohio (“Conforming Changes”) as a result of any Government Action(s), the Parties shall conform the MFN Provisions to this Agreement (separate and apart from any conforming changes which may be required to other provisions in the Parties’ Interconnection Agreement) to reflect the Conforming Changes approved by the Commission for the Separate Agreement; and

THEREFORE, concurrent with CLEC’s adoption of the MFN Provisions, CLEC and SBC Ohio (collectively “the Parties”) hereby agree to amend the Parties’ Agreement, which is comprised of the MFN Provisions and other provisions deemed negotiated by and between the Parties (e.g., the intercarrier compensation provisions), as follows:

- (1) The Parties hereby agree to modify the intervening law language in the Agreement to read as follows:

This Agreement is the result of negotiations between the Parties and may incorporate certain provisions that resulted from arbitration by the appropriate state Commission(s). In entering into this Agreement and any

¹ The Ohio Bell Telephone Company (“Ohio Bell”), an Ohio corporation, is a wholly-owned subsidiary of SBC Midwest, which owns the former Bell operating companies in the States of Illinois, Indiana, Michigan, Ohio and Wisconsin. Ohio Bell uses the registered trade name SBC Ohio. SBC Midwest is a wholly owned subsidiary of SBC Communications Inc.

Amendments to such Agreement and carrying out the provisions herein, neither Party waives, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights relating to the following actions, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review: the United States Supreme Court's opinion in *Verizon v. FCC*, et al, 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al ("USTA") v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, the D.C. Circuit's March 2, 2004 decision in *USTA v. FCC*, Case No. 00-1012 (D.C. Cir. 2004); the FCC's Triennial Review Order, released on August 21, 2003, In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers, CC Docket No. 01-338, Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, CC Docket No. 96-98, Deployment of Wireline Services Offering Advanced Telecommunications Capability, CC Docket No. 98-147 (FCC 03-36) and the FCC's Biennial Review Proceeding which the FCC announced, in its Triennial Review Order, is scheduled to commence in 2004; the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking on the topic of Inter-carrier Compensation generally, issued In the Matter of Developing a Unified Inter-carrier Compensation Regime, in CC Docket 01-92 (Order No. 01-132), on April 27, 2001 (collectively "Government Actions"). Notwithstanding anything to the contrary in this Agreement (including any amendments to this Agreement), SBC-13STATE shall have no obligation to provide UNEs, combinations of UNEs, combinations of UNE(s) and CLEC's own elements or UNEs in commingled arrangements beyond those required by the Act, including the lawful and effective FCC rules and associated FCC and judicial orders. Except to the extent that SBC-13STATE has adopted the FCC ISP terminating compensation plan ("FCC Plan") in an SBC-13STATE state in which this Agreement is effective, and the Parties have incorporated rates, terms and conditions associated with the FCC Plan into this Agreement, these rights also include but are not limited to SBC-13STATE's right to exercise its option at any time to adopt on a date specified by SBC-13STATE the FCC Plan, after which date ISP-bound traffic will be subject to the FCC Plan's prescribed terminating compensation rates, and other terms and conditions, and seek conforming modifications to this Agreement. If any action by any state or federal regulatory or legislative body or court of competent jurisdiction invalidates, modifies, or stays the enforcement of laws or regulations that were the basis or rationale for any rate(s), term(s) and/or condition(s) ("Provisions") of the Agreement and/or otherwise affects the rights or obligations of either Party that are addressed by this Agreement, specifically including but not limited to those arising with respect to the Government Actions, the affected Provision(s) shall be immediately invalidated, modified or stayed consistent with the action of the regulatory or legislative body or court of competent jurisdiction upon the written request of either Party ("Written Notice"). With respect to any Written Notices hereunder, the Parties shall have sixty (60) days from the Written Notice to attempt to negotiate and arrive at an agreement on the appropriate conforming modifications to the Agreement. If the Parties are unable to agree upon the conforming modifications required within sixty (60) days from the Written Notice, any disputes between the Parties concerning the interpretation of the actions required or the provisions affected by such order shall be resolved pursuant to the dispute resolution process provided for in this Agreement.

(2) Subject to Paragraph 3 below, the Parties hereby agree that upon the date that the Commission has approved or is deemed to have approved the Conforming Changes to the MFN Provisions which are negotiated or resolved via dispute resolution between the Underlying Carrier and SBC Ohio ("Conforming Changes") as a result of any Government Action(s), such Conforming Changes shall automatically apply to this Agreement as of the date such Conforming Changes are deemed effective as to the Separate Agreement ("Effective" or "Effective Date"); provided, however, within sixty (60) days of the Effective Date of the Conforming Changes the Parties shall file a conforming amendment to this Agreement to formally incorporate the Conforming Changes approved by the Commission as to the MFN Provisions from the Separate Agreement into this Agreement (in addition to any other conforming changes which may be required to other provisions in the Parties' Agreement as a result of any Government Action(s)); and

(3) Notwithstanding anything to the contrary in this Amendment and the Agreement, in the event that the Conforming Changes are not Effective upon the earlier of: (1) January 3, 2005; or (2) the date the MFN Provisions in the Separate Agreement or the Separate Agreement itself is terminated and/or superseded for whatever reason; or (3) the date that the MFN Provisions in this Agreement are, or this Agreement itself is, terminated and/or superseded for whatever reason; or (4) the date that is 9 months after the date upon which either Party provides notice of termination/renegotiation under this Agreement as to any of the provisions set forth in this Agreement including, without limitation, the MFN Provisions ("Termination Date"); then, upon such Termination Date, the MFN Provisions shall automatically terminate, without any further action on the part of either Party and following such Termination Date, neither Party shall have any further obligations as to the MFN Provisions (and the Agreement, as applicable), except with respect to any obligations that the Agreement provides survive its termination. On or before such Termination Date, CLEC, to the extent it has not negotiated successor provisions with SBC Ohio as provided for in the Agreement and consistent with the Act, then CLEC shall exercise its rights pursuant to Section 252(i) of the Act to adopt individual interconnection, service or network element arrangements contained in an Ohio approved and effective interconnection agreement for purposes of its successor interconnection agreement and/or to replace and supersede the MFN Provisions, as applicable.

(4) Nothing in the Separate Agreement, including without limitation the MFN Provisions, and this Agreement, including without limitation this Amendment, shall constitute a waiver by either Party of any positions it may have taken or will take in any regulatory or judicial proceedings or any subsequent negotiations between the Parties. In addition, this Amendment shall not constitute a concession or admission by either Party and shall not foreclose either Party from taking any position in the future in any forum addressing any of the provisions or matters set forth in the MFN Provisions of the Separate Agreement, this Agreement, including without limitation this Amendment.

(5) The Parties acknowledge and agree that this Amendment shall be filed with, and is subject to approval by the Public Utilities Commission of Ohio. Based upon PUCO practice, this Amendment shall be effective upon filing and will be deemed approved by operation of law on the 31st day after filing; provided, however, as to CLEC and SBC Ohio, the rates contained herein shall be applied in accordance with Paragraph 1 above (subject to Footnote 1 above).

(6) This Amendment shall not modify or extend the Effective Date or Term of the Agreement, but rather, shall be coterminous with such Agreement.

(7) In entering into this Amendment and carrying out the provisions herein, neither Party waives, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights (including intervening law rights asserted by either Party via written notice predating this Amendment) relating to the following actions, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review: the United States Supreme Court's opinion in *Verizon v. FCC*, et al, 535 U.S. 467 (2002); the D.C. Circuit's decision in *United States Telecom Association, et. al ("USTA") v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, the D.C. Circuit's March 2, 2004 decision in *USTA v. FCC*, Case No. 00-1012 (D.C. Cir. 2004); the FCC's Triennial Review Order, released on August 21, 2003, In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers, CC Docket No. 01-338, Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, CC Docket No. 96-98, Deployment of Wireline Services Offering Advanced Telecommunications Capability, CC Docket No. 98-147 (FCC 03-36) and the FCC's Biennial Review Proceeding which the FCC announced, in its Triennial Review Order, is scheduled to commence in 2004; the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("ISP Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking on the topic of Intercarrier Compensation generally, issued In the Matter of Developing a Unified Intercarrier Compensation Regime, in CC Docket 01-92 (Order No. 01-132), on April 27, 2001 (collectively "Government Actions"). Notwithstanding anything to the contrary in this Agreement (including this and any other amendments to the Agreement), **SBC-13STATE** shall have no obligation to provide UNEs, combinations of UNEs, combinations of UNE(s) and CLEC's own elements or UNEs in commingled arrangements beyond those required by the Act, including the lawful and effective FCC rules and associated FCC and judicial

orders. If any action by any state or federal regulatory or legislative body or court of competent jurisdiction invalidates, modifies, or stays the enforcement of laws or regulations that were the basis or rationale for any rate(s), term(s) and/or condition(s) ("Provisions") of the Agreement and this Amendment and/or otherwise affects the rights or obligations of either Party that are addressed by the Agreement and this Amendment, specifically including but not limited to those arising with respect to the Government Actions, the affected Provision(s) shall be immediately invalidated, modified or stayed consistent with the action of the regulatory or legislative body or court of competent jurisdiction upon the written request of either Party ("Written Notice"). With respect to any Written Notices hereunder, the Parties shall have sixty (60) days from the Written Notice to attempt to negotiate and arrive at an agreement on the appropriate conforming modifications to the Agreement. If the Parties are unable to agree upon the conforming modifications required within sixty (60) days from the Written Notice, any disputes between the Parties concerning the interpretation of the actions required or the provisions affected by such order shall be resolved pursuant to the dispute resolution process provided for in this Agreement.

(8) EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2004, by SBC Ohio, signing by and through its duly authorized representative, and Neutral Tandem-Michigan, LLC, signing by and through its duly authorized representative.

Neutral Tandem-Michigan, LLC

**The Ohio Bell Telephone Company d/b/a SBC Ohio
by SBC Telecommunications, Inc., its authorized
agent**

By: _____

By: _____

Name: _____
(Print or Type)

Name: _____
(Print or Type)

Title: _____
(Print or Type)

Title: *For/* President-Industry Markets

Date: _____

Date: _____

FACILITIES-BASED OCN # _____

ACNA _____

**AMENDMENT
TO THE INTERCONNECTION AGREEMENT
BETWEEN
OHIO BELL TELEPHONE COMPANY d/b/a SBC OHIO
AND
NEUTRAL TANDEM-MICHIGAN, LLC**

The Interconnection Agreement ("**the Agreement**") by and between Ohio Bell Telephone Company¹ d/b/a SBC Ohio ("**SBC Ohio**") and Neutral Tandem-Michigan, LLC ("**CLEC**") is hereby amended as follows:

I. The Negotiated Appendix Reciprocal Compensation (After FCC Order No. 01-131 Agreeing to Exchange All ISP-Bound and Section 251(b)(5) Traffic at the FCC Rates in Certain States, Where Applicable) and associated pricing has been added to the underlying agreement, which is attached hereto and incorporated herein.

II. In entering into this Amendment and carrying out the provisions herein, neither Party waives, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights (including intervening law rights asserted by either Party via written notice predating this Amendment) relating to the following actions, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review: the United States Supreme Court's opinion in Verizon v. FCC, et al, 535 U.S. 467 (2002); the D.C. Circuit's decision in United States Telecom Association ("**USTA**"), et. al v. FCC, 290 F.3d 415 (D.C. Cir. 2002) ("**USTA decision**") and following remand and appeal, the D.C. Circuit's March 2, 2004 decision in USTA v. FCC, Case No. 00-1012 (D.C. Cir. 2004); the FCC's Triennial Review Order, released on August 21, 2003, In the Matter of Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers, CC Docket No. 01-338, Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, CC Docket No. 96-98, Deployment of Wireline Services Offering Advanced Telecommunications Capability, CC Docket No. 98-147 (FCC 03-36) and the FCC's Biennial Review Proceeding which the FCC announced, in its Triennial Review Order, is scheduled to commence in 2004; the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("**ISP Compensation Order**"), which was remanded in WorldCom, Inc. v. FCC, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking on the topic of Inter-carrier Compensation generally, issued In the Matter of Developing a Unified Inter-carrier Compensation Regime, in CC Docket 01-92 (Order No. 01-132), on April 27, 2001 (collectively "**Government Actions**"). Notwithstanding anything to the contrary in this Agreement (including this and any other amendments to the Agreement), SBC Ohio shall have no obligation to provide UNEs, combinations of UNEs, combinations of UNE(s) and CLEC's own elements or UNEs in commingled arrangements beyond those required by the Act, including the lawful and effective FCC rules and associated FCC and judicial orders. The Parties acknowledge and agree that SBC Ohio has exercised its option to adopt the FCC ISP terminating compensation plan ("**FCC Plan**") in Ohio and as of the date of that election by SBC Ohio, the FCC Plan shall apply to this Agreement, as more specifically provided for in this Amendment. If any action by any state or federal regulatory or legislative body or court of competent jurisdiction invalidates, modifies, or stays the enforcement of laws or regulations that were the basis or rationale for any rate(s), term(s) and/or condition(s) ("**Provisions**") of the Agreement and this Amendment and/or otherwise affects the rights or obligations of either Party that are

¹ The Ohio Bell Telephone Company ("**Ohio Bell**"), an Ohio corporation, is a wholly-owned subsidiary of SBC Midwest, which owns the former Bell operating companies in the States of Illinois, Indiana, Michigan, Ohio and Wisconsin. Ohio Bell uses the registered trade name SBC Ohio. SBC Midwest is a wholly owned subsidiary of SBC Communications Inc.

addressed by the Agreement and this Amendment, specifically including but not limited to those arising with respect to the Government Actions, the affected Provision(s) shall be immediately invalidated, modified or stayed consistent with the action of the regulatory or legislative body or court of competent jurisdiction upon the written request of either Party ("**Written Notice**"). With respect to any Written Notices hereunder, the Parties shall have sixty (60) days from the Written Notice to attempt to negotiate and arrive at an agreement on the appropriate conforming modifications to the Agreement. If the Parties are unable to agree upon the conforming modifications required within sixty (60) days from the Written Notice, any disputes between the Parties concerning the interpretation of the actions required or the provisions affected by such order shall be resolved pursuant to the dispute resolution process provided for in this Agreement.

III. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED.

IV. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.

V. This Amendment shall be filed with and is subject to approval by the Public Utilities Commission of Ohio ("**PUCO**"). Based on PUCO practice, this Amendment shall be effective upon filing and will be deemed approved by operation of law on the 31st day after filing.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this _____ day of _____, 2004, by SBC Ohio, signing by and through its duly authorized representative, and CLEC, signing by and through its duly authorized representative.

Neutral Tandem-Michigan, LLC

Ohio Bell Telephone Company d/b/a SBC Ohio by SBC Telecommunications, Inc., its authorized agent

By: _____

By: _____

Name: _____
(Print or Type)

Name: _____
(Print or Type)

Title: _____
(Print or Type)

Title: ^{For}/President-Industry Markets

Date: _____

Date: _____

FACILITIES-BASED OCN # _____

ACNA _____

**NEGOTIATED APPENDIX
RECIPROCAL COMPENSATION
(AFTER FCC ORDER NO. 01-131 AGREEING TO
EXCHANGE ALL ISP-BOUND and SECTION
251(b)(5) TRAFFIC AT THE FCC RATES IN
CERTAIN STATES, WHERE APPLICABLE)**

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APPENDIX RECIPROCAL COMPENSATION

This Appendix provides for Reciprocal Compensation rates, terms, and conditions for all intercarrier telecommunications traffic exchanged pursuant to the underlying Interconnection Agreement (“**Agreement**”) between Neutral Tandem-Michigan, LLC as a Competitive Local Exchange Carrier in this state (hereafter, “**CLEC**”) and one of the following SBC Communications Inc.-owned Incumbent Local Exchange Carriers (hereafter, “**ILEC**”): Illinois Bell Telephone Company d/b/a SBC Illinois, Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, Michigan Bell Telephone Company d/b/a SBC Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada, The Ohio Bell Telephone Company d/b/a SBC Ohio, Pacific Bell Telephone Company d/b/a SBC California (a California corporation), The Southern New England Telephone Company d/b/a SBC Connecticut, Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri, SBC Oklahoma and/or SBC Texas, and/or Wisconsin Bell, Inc. d/b/a SBC Wisconsin (but only to the extent that the agent for the applicable SBC-owned ILEC executed the underlying Agreement for such SBC-owned ILEC). The Parties hereby agree as follows:

WHEREAS, CLEC obtained the underlying Agreement by requesting adoption of an existing Agreement with ILEC pursuant to Section 252(i) of the Federal Telecommunications Act of 1996 (known as the “**Most Favored Nations**” or “MFN” provision of the Act); and

WHEREAS, on April 18, 2001, the Federal Communications Commission (FCC) adopted its “Order on Remand and Report and Order” in its Intercarrier Compensation proceeding regarding traffic to Internet Service Providers (ISPs) (hereafter, the “**ISP Intercarrier Compensation Order**”);¹ and

WHEREAS, the FCC in that Order suspended MFN requests affecting ISP and other Internet-bound traffic, stating in pertinent part:

Because we now exercise our authority under section 201 to determine the appropriate intercarrier compensation for ISP-bound traffic, however, state commissions will no longer have authority to address this issue. For this same reason, as of the date this Order is published in the Federal Register, carriers may no longer invoke section 252(i) to opt into an existing interconnection agreement with regard to the rates paid for the exchange of ISP-bound traffic[footnote omitted]. Section 252(i) applies only to agreements arbitrated or approved by state commissions pursuant to section 252; it has no application in the context of an intercarrier compensation regime set by this [Federal Communications] Commission pursuant to section 201 [footnote omitted].²

AND, WHEREAS the rates, terms and conditions for ISP traffic are legitimately-related to all other rates, terms and conditions for intercarrier compensation under the Agreement and have been negotiated in their entirety in this Appendix.

NOW, THEREFORE, ILEC and CLEC agree to the following rates, terms and conditions for all intercarrier traffic, including ISP and Internet-bound traffic, for the duration of the underlying Agreement, intending this document to be executed, filed, and approved as a negotiated Appendix separate from the underlying MFN Agreement.

1. APPENDIX SCOPE AND TERM

- 1.1 This Appendix sets forth the terms and conditions for Reciprocal Compensation of intercarrier telecommunications traffic between the applicable SBC Communications Inc (SBC) owned Incumbent Local Exchange Carrier (“**ILEC**”) and CLEC, but only to the extent they are interconnected and exchanging calls pursuant to a fully executed, underlying Interconnection Agreement approved by the applicable state or federal regulatory agency for telecommunications traffic in the applicable state(s).
- 1.2 The compensation arrangement for the joint provision of Feature Group A (FGA) Services shall be subject to the underlying Interconnection Agreement or as otherwise mutually agreed by the Parties.
- 1.3 The provisions of this Appendix apply to calls originated over the originating carrier’s facilities or over Unbundled Network Elements.

¹ *In the Matter of Implementation of the Local Competition Provisions in the Federal Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic*; CC Docket Nos. 96-98 and 99-68; FCC Order No. 01-131 (released April 27, 2001).

² ISP Intercarrier Compensation Order, para 82 (emphasis added).

- 1.4 The provisions of this Appendix do not apply to traffic originated over services provided under local Resale service.
- 1.5 This Appendix is intended to supercede and replace any and all Appendices, Attachments, Rate Schedules, or other sections of the underlying Interconnection Agreement that set forth the rates, terms and conditions for Reciprocal Compensation of intercarrier telecommunications traffic between ILEC and CLEC. Any inconsistencies between the provisions of this Appendix and other provisions of the underlying Interconnection Agreement shall be governed by the provisions of this Appendix.
- 1.6 The Parties agree that this Appendix also governs the exchange, routing and rating of all intercarrier ISP - Bound Traffic between ILEC and CLEC in the applicable state(s). The term "ISP-Bound Traffic" shall be given the same meaning as used in this Appendix, and if not defined there, shall be given the same meaning as found in the FCC's Order on Remand and Report and Order, In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic, FCC 01-131, CC Docket Nos. 96-98, 99-68 (rel. April 27, 2001) ("**FCC ISP Compensation Order**") which was remanded but not vacated in WorldCom, Inc. v. FCC, No. 01 1218 (D.C. Cir. 2002) ("**ISP Compensation Order**") and the Telecommunications Act of 1996.
- 1.7 The Parties agree that this Appendix shall be coterminous with the underlying Agreement and shall not extend or alter the term and termination provisions of the Agreement, subject to the exceptions in subsection 1.7.1 below.
 - 1.7.1 Retroactive Application back to the Effective Date of the Underlying MFN. The Parties recognize that an MFN interconnection agreement often receives speedier state approvals than the negotiated Appendix which will be affixed to that interconnection agreement. To the extent that the date of state approval of the underlying MFN interconnection agreement precedes the date of state approval of this Appendix, the Parties agree that the rates, terms and conditions of the Appendix will, upon state approval, apply retroactively to the date of state approval of the underlying MFN Agreement.

2. ILEC DESIGNATIONS

- 2.1 **SBC Communications Inc. (SBC)** means the holding company which directly or indirectly owns the following ILECs: Illinois Bell Telephone Company d/b/a SBC Illinois, Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, Michigan Bell Telephone Company d/b/a SBC Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada, The Ohio Bell Telephone Company d/b/a SBC Ohio, Pacific Bell Telephone Company d/b/a SBC California, The Southern New England Telephone Company d/b/a SBC Connecticut, Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri, SBC Oklahoma and/or SBC Texas and/or Wisconsin Bell, Inc. d/b/a SBC Wisconsin.
- 2.2 **SBC-2STATE** - As used herein, **SBC-2STATE** means **SBC CALIFORNIA** and **SBC NEVADA**, the applicable SBC-owned ILEC(s) doing business in California and Nevada.
- 2.3 **SBC-4STATE** - As used herein, **SBC-4STATE** means Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri and SBC Oklahoma the applicable SBC-owned ILEC(s) doing business in Arkansas, Kansas, Missouri and Oklahoma.
- 2.4 **SBC-7STATE** - As used herein, **SBC-7STATE** means **SBC SOUTHWEST REGION 5-STATE**, **SBC CALIFORNIA** and **SBC NEVADA**, the applicable SBC-owned ILEC(s) doing business in Arkansas, California, Kansas, Missouri, Nevada, Oklahoma, and Texas.
- 2.5 **SBC-8STATE** - As used herein, **SBC-8STATE** means **SBC SOUTHWEST REGION 5-STATE**, **SBC CALIFORNIA**, **SBC NEVADA**, and **SBC CONNECTICUT** the applicable SBC-owned ILEC(s) doing business in Arkansas, California, Connecticut, Kansas, Missouri, Nevada, Oklahoma, and Texas.
- 2.6 **SBC-10STATE** - As used herein, **SBC-10STATE** means **SBC SOUTHWEST REGION 5-STATE** and **SBC MIDWEST REGION 5-STATE** an the applicable SBC-owned ILEC(s) doing business in Arkansas, Illinois, Indiana, Kansas, Michigan, Missouri, Ohio, Oklahoma, Texas, and Wisconsin.

- 2.7 **SBC-12STATE** - As used herein, **SBC-12STATE** means **SBC SOUTHWEST REGION 5-STATE**, **SBC MIDWEST REGION 5-STATE** and **SBC-2STATE** the applicable SBC-owned ILEC(s) doing business in Arkansas, California, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 2.8 **SBC-13STATE** - As used herein, **SBC-13STATE** means **SBC SOUTHWEST REGION 5-STATE**, **SBC MIDWEST REGION 5-STATE**, **SBC-2STATE** and **SBC CONNECTICUT** the applicable SBC-owned ILEC(s) doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 2.9 **SBC ARKANSAS** - As used herein, **SBC ARKANSAS** means Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, the applicable SBC-owned ILEC doing business in Arkansas.
- 2.10 **SBC CALIFORNIA** – As used herein, **SBC CALIFORNIA** means Pacific Bell Telephone Company d/b/a SBC California, the applicable SBC-owned ILEC doing business in California.
- 2.11 **SBC CONNECTICUT** - As used herein, **SBC CONNECTICUT** means The Southern New England Telephone Company d/b/a SBC Connecticut, the applicable above listed ILEC doing business in Connecticut.
- 2.12 **SBC KANSAS** - As used herein, **SBC KANSAS** means Southwestern Bell Telephone, L.P. d/b/a SBC Kansas, the applicable SBC-owned ILEC doing business in Kansas.
- 2.13 **SBC ILLINOIS** - As used herein, **SBC ILLINOIS** means Illinois Bell Telephone Company d/b/a SBC Illinois, the applicable SBC-owned ILEC doing business in Illinois.
- 2.14 **SBC INDIANA** - As used herein, **SBC INDIANA** means Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, the applicable SBC-owned ILEC doing business in Indiana.
- 2.15 **SBC MICHIGAN** - As used herein, **SBC MICHIGAN** means Michigan Bell Telephone Company d/b/a SBC Michigan, the applicable SBC-owned doing business in Michigan.
- 2.16 **SBC MIDWEST REGION 5-STATE** - As used herein, **SBC MIDWEST REGION 5-STATE** means Illinois Bell Telephone Company d/b/a SBC Illinois, Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, Michigan Bell Telephone Company d/b/a SBC Michigan, The Ohio Bell Telephone Company d/b/a SBC Ohio, and/or Wisconsin Bell, Inc. d/b/a SBC Wisconsin, the applicable SBC-owned ILEC(s) doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 2.17 **SBC MISSOURI** - As used herein, **SBC MISSOURI** means Southwestern Bell Telephone, L.P. d/b/a SBC Missouri, the applicable SBC-owned ILEC doing business in Missouri.
- 2.18 **SBC NEVADA** - As used herein, **SBC NEVADA** means Nevada Bell Telephone Company d/b/a SBC Nevada, the applicable SBC-owned ILEC doing business in Nevada.
- 2.19 **SBC OHIO** - As used herein, **SBC OHIO** means The Ohio Bell Telephone Company d/b/a SBC Ohio, the applicable SBC-owned ILEC doing business in Ohio.
- 2.20 **SBC OKLAHOMA** - As used herein, **SBC OKLAHOMA** means Southwestern Bell Telephone, L.P. d/b/a SBC Oklahoma, the applicable SBC-owned ILEC doing business in Oklahoma.
- 2.21 **SBC SOUTHWEST REGION 5-STATE** - As used herein, **SBC SOUTHWEST REGION 5-STATE** means Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri, SBC Oklahoma and/or SBC Texas the applicable above listed ILEC(s) doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.
- 2.22 **SBC TEXAS** – As used herein, **SBC TEXAS** means Southwestern Bell Telephone, L.P. d/b/a SBC Texas, the applicable SBC-owned ILEC doing business in Texas.
- 2.23 **SBC WISCONSIN** - As used herein, **SBC WISCONSIN** means Wisconsin Bell, Inc. d/b/a SBC Wisconsin, the applicable SBC-owned ILEC doing business in Wisconsin.

3. CLASSIFICATION OF TRAFFIC

- 3.1 Telecommunications traffic exchanged between CLEC and ILEC will be classified as either Local Calls, Transit Traffic, ISP-Bound Traffic, Optional Calling Area Traffic, IntraLATA Toll Traffic, or InterLATA Toll Traffic.
- 3.2 For purposes of this Appendix, until such time that ILEC chooses to offer to exchange Section 251(b)(5) traffic and ISP-Bound Traffic on and after a designated date pursuant to the terms and conditions of the FCC's interim ISP terminating compensation plan in a particular state, the Parties agree that "Local Calls" and "ISP-Bound Traffic" will be compensated at the same rates and rate structures set forth in Sections 5.2 through 5.6 below in the applicable state(s), depending on the End Office or Tandem serving arrangement, so long as the originating end user of one Party and the terminating end user or ISP of the other Party are:
- a. both physically located in the same ILEC Local Exchange Area as defined by the ILEC Local (or "**General**") Exchange Tariff on file with the applicable state commission or regulatory agency; or
 - b. both physically located within neighboring ILEC Local Exchange Areas that are within the same common mandatory local calling area. This includes but is not limited to, mandatory Extended Area Service (EAS), mandatory Extended Local Calling Service (ELCS), or other types of mandatory expanded local calling scopes.
- 3.3 At such time when ILEC chooses to offer to exchange Section 251(b)(5) traffic and ISP-Bound Traffic on or after a designated date pursuant to the terms and conditions of the FCC's interim ISP terminating compensation plan in a particular state, the Parties agree that on the later of (i) the effective date of such offer in a particular state and (ii) the Effective Date of this Agreement, all "Local Calls" and ISP Bound Traffic will be compensated at the rates, terms and conditions set for in Sections 6.0 through 6.6 below, so long as the originating end user of one Party and the terminating end user of the other Party are:
- a. both physically located in the same ILEC Local Exchange Area as defined by the ILEC Local (or "**General**") Exchange Tariff on file with the applicable state commission or regulatory agency; or
 - b. both physically located within neighboring ILEC Local Exchange Areas that are within the same common mandatory local calling area. This includes but is not limited to, mandatory Extended Area Service (EAS), mandatory Extended Local Calling Service (ELCS), or other types of mandatory expanded local calling scopes.
- The Parties acknowledge that ILEC has made offers to exchange Section 251(b)(5) traffic and ISP-Bound Traffic pursuant to the terms and conditions of the FCC's interim ISP terminating compensation plan in the states of (i) Indiana, Ohio, Texas and Wisconsin effective as of June 1, 2003, (ii) Arkansas and Michigan effective as of July 6, 2003, and (iii) Illinois effective as of September 1, 2003. Therefore, all Local Calls and ISP-Bound Traffic exchanged by the Parties in each of those states will be compensated at the rates, terms and conditions set forth in Section 6.0 through 6.6 below on the later of (i) the Effective Date of this Agreement and (ii) the effective date of such offer in a particular state.
- 3.4 The Parties agree that, notwithstanding the classification of traffic under this Appendix, either Party is free to define its own "local" calling area(s) for purposes of its provision of telecommunications services to its end users.
- 3.5 When an End User originates a Local Call which terminates to an End User physically located in the same local exchange area and served on the other Party's physical switch or, if operating in **SBC-12STATE**, through the other Party's Unbundled Network Element (UNE) switch port, the originating Party shall compensate the terminating Party for the transport and termination of Local Calls at the rate(s) provided in this Appendix and Appendix Pricing. In **SBC CONNECTICUT**, calls originated over UNEs are not subject to reciprocal compensation since the rates for unbundled local switching reflect and include the costs of call termination.

- 3.6 The Parties' obligation to pay reciprocal compensation to each other shall commence on the date the Parties agree that the interconnection is complete (i.e., each Party has established its originating trunks as well as all ancillary traffic trunking such as Operator Services, 911 or Mass Calling trunks).
- 3.7 The compensation arrangements set forth in this Appendix are not applicable to (i) interstate or intrastate Exchange Access traffic, (ii) Information Access traffic, (iii) Exchange Services for access or (iv) any other type of traffic found to be exempt from reciprocal compensation by the FCC or the Commission, with the exception of ISP-Bound Traffic which is addressed in this Appendix. All Exchange Access traffic and IntraLATA Toll Traffic shall continue to be governed by the terms and conditions of applicable federal and state tariffs.
- 3.8 Calls delivered to or from numbers that are assigned to an exchange within a common mandatory local calling area but where the receiving or calling party is physically located outside the common mandatory local calling area of the exchange to which the number is assigned are either Feature Group A (FGA) or Foreign Exchange (FX) and are not Local Calls for intercarrier compensation and are not subject to local reciprocal compensation.
- 3.9 Private Line Services include private line-like and special access services and are not subject to local reciprocal compensation. Private Line Services are defined as dedicated Telecommunications channels provided between two points or switched among multiple points and are used for voice, data, audio or video transmission. Private Line services include, but are not limited to, WATS access lines.

4. RESPONSIBILITIES OF THE PARTIES

- 4.1 Each Party to this Appendix will be responsible for the accuracy and quality of its data as submitted to the respective Parties involved.
- 4.2 Where SS7 connections exist, each Party will include in the information transmitted to the other for each call being terminated on the other's network, where available, the original and true Calling Party Number (CPN).
- 4.3 If one Party is passing CPN but the other Party is not properly receiving information, the Parties will work cooperatively to correct the problem.
- 4.4 Where SS7 connections exist, calls originated by one party and terminated by the other, if the percentage of calls passed with CPN is greater than ninety percent (90%), all calls exchanged without CPN information will be billed as either Local Traffic or intraLATA Toll Traffic in direct proportion to the minutes of use (MOU) of calls exchanged with CPN information. If the percentage of calls passed with CPN is less than ninety percent (90%), all calls passed without CPN will be billed as intraLATA switched access.
- 4.5 Where the Parties are performing a transiting function as defined in Section 10.0 below, the transiting Party will pass the original and true CPN if it is received from the originating third party. If the original and true CPN is not received from the originating third party, the Party performing the transiting function can not forward the CPN and will not be billed as the default originator.

5. LOCAL CALL TERMINATION

- 5.1 Until and unless ILEC chooses to offer to exchange Section 251(b)(5) traffic and ISP-Bound traffic on and after a designated date pursuant to the terms and conditions of the FCC's interim terminating compensation plan in a particular state, the compensation set forth below in Sections 5.2 through 5.6 will also apply to all Local Calls and ISP-Bound Traffic as defined in Section 3.2 of this Appendix in that particular state, depending on whether the call is terminated directly to an End Office or through a Tandem. At such time as the ILEC chooses to offer to exchange Section 251(b)(5) Traffic and ISP-Bound Traffic on and after a designated date pursuant to the terms and conditions of the FCC's interim terminating compensation plan in a particular state, the compensation set forth below in Sections 5.2 through 5.6 will not apply Local Calls and/or ISP-Bound Traffic in that state. The Parties acknowledge that ILEC has made such an offer in the states of (i) Indiana, Ohio, Texas and Wisconsin effective as of June 1, 2003, (ii) Arkansas and Michigan effective as of July 6, 2003, and (iii) Illinois effective as of September 1, 2003.

Therefore the compensation set forth in Sections 5.2 through 5.6 below will not apply to Local Calls and/or ISP-Bound Traffic exchanged in each of those states on the later of (i) the Effective Date of this Agreement and (ii) the effective date of such offer in that particular state.

- 5.2 Bifurcated Rates (Call Set Up and Call Duration). The Parties agree to compensate each other for the termination of Local Calls and ISP-Bound Traffic, if applicable, on a "bifurcated" basis, meaning assessing an initial Call Set Up charge on a per Message basis, and then assessing a separate Call Duration charge on a per Minute of Use (MOU) basis, where ever per Message charges are applicable. The following rate elements apply, but the corresponding rates are shown in Appendix Pricing:
- 5.3 Tandem Serving Rate Elements:
 - 5.3.1 Tandem Switching - compensation for the use of tandem switching (only) functions.
 - 5.3.2 Tandem Transport - compensation for the transmission facilities between the local tandem and the end offices subtending that tandem.
 - 5.3.3 End Office Switching in a Tandem Serving Arrangement - compensation for the local end office switching and line termination functions necessary to complete the transmission in a tandem-served arrangement. It consists of a call set-up rate (per message) and a call duration (per minute) rate.
- 5.4 End Office Serving Rate Elements:
 - 5.4.1 End Office Switching - compensation for the local end office switching and line termination functions necessary to complete the transmission in an end office serving arrangement. It consists of a call set-up rate (per message) and a call duration (per minute) rate.
- 5.5 All ISP-Bound Traffic shall be subject to the same terms and conditions regarding switch recordings, Calling Party Number (CPN) signaling, and other usage detail as for other Local Calls under this Appendix. Minutes of use to ISPs may be shown separately on the monthly usage detail, invoices, payment summaries, or other documents exchanged between ILEC and CLEC in the monthly billing cycle.
- 5.6 All ISP-Bound traffic for a given usage month shall be due and owing at the same time as payments for Local Calls under this Appendix. The parties agree that all terms and conditions regarding disputed minutes of use, nonpayment, partial payment, late payment, interest on outstanding balances, or other billing and payment terms shall apply to ISP-Bound Traffic the same as for Local Calls under this Appendix.

6. RATES, TERMS AND CONDITIONS OF FCC'S INTERIM TERMINATING COMPENSATION PLAN

- 6.1 ILEC has made an offer to all telecommunications carriers (the "**Offer**") to exchange Section 251(b)(5) traffic and ISP-Bound Traffic pursuant to the terms and conditions of the FCC's interim terminating compensation plan of the FCC's ISP Compensation Order (i) in the states of Ohio, Indiana, Wisconsin and Texas effective on and after June 1, 2003, (ii) in the states of Arkansas and Michigan effective on and after July 6, 2003, and (iii) in the state of Illinois effective on and after September 1, 2003. ILEC and CLEC hereby agree that the following rates, terms and conditions set forth in Sections 6.2 through 6.6 shall apply to all ISP-Bound Traffic and Section 251(b)(5) traffic exchanged between the Parties in each of the applicable state(s) effective on the later of (i) the Effective Date of this Agreement and (ii) the effective date of the Offer in the particular state. In any other state in which ILEC makes an Offer to exchange Section 251(b)(5) traffic and ISP-Bound Traffic on and after a designated date pursuant to the terms and conditions of the FCC's interim terminating compensation plan, ILEC and CLEC hereby agree that the following rates, terms and conditions set forth in Sections 6.2 through 6.6 shall apply to all ISP-Bound Traffic and Section 251(b)(5) traffic exchanged between the Parties in that state effective on the later of (i) the Effective Date of this Agreement and (ii) the effective date of the Offer in the particular state.
- 6.2 Intercarrier Compensation for all ISP-Bound Traffic and Section 251(b)(5) traffic
 - 6.2.1 The rates, terms, conditions in Sections 6.2 through 6.6 apply to the termination of ISP-Bound Traffic as defined in Section 3.2 and Section 251(b)(5) traffic and subject to the growth caps and new market restrictions stated in Sections 6.3 and 6.4 below.

- 6.2.2 The Parties agree to compensate each other for the transport and termination of all ISP-Bound Traffic and Section 251(b)(5) traffic on a minute of use basis, at \$.0007 per minute of use.
- 6.2.3 Payment of Inter-carrier Compensation on ISP-Bound Traffic and Section 251(b)(5) traffic will not vary according to whether the traffic is routed through a tandem switch or directly to an end office switch.
- 6.3 ISP- Bound Traffic Growth Cap
- 6.3.1 On a calendar year basis, as set forth below, CLEC and ILEC agree to cap overall ISP-Bound Traffic minutes of use based upon the 1st Quarter 2001 ISP minutes for which the CLEC was entitled to compensation under its Interconnection Agreement(s) in existence for the 1st Quarter of 2001, on the following schedule:
- | | |
|-----------------------------------|---|
| Calendar Year 2001 | 1st Quarter 2001 compensable ISP-Bound Traffic minutes, times 4, times 1.10 |
| Calendar 2002 | Year 2001 compensable ISP-Bound Traffic minutes, times 1.10 |
| Calendar Year 2003 | Year 2002 compensable ISP-Bound Traffic minutes |
| Calendar Year 2004 and thereafter | Year 2002 compensable ISP-Bound Traffic minutes |
- 6.3.2 Notwithstanding anything contrary herein, in Calendar Year 2003, the Parties agree that ISP-Bound Traffic exchanged between the Parties during the entire period from January 1, 2003 until December 31, 2003 shall be counted towards determining whether CLEC has exceeded the growth caps for Calendar Year 2003.
- 6.3.3 ISP-Bound Traffic minutes that exceed the applied growth cap will be Bill and Keep. “Bill and Keep” refers to an arrangement in which neither of two interconnecting parties charges the other for terminating traffic that originates on the other party’s network.
- 6.4 Bill and Keep for ISP-Bound Traffic in New Markets
- 6.4.1 In the event CLEC and ILEC have not previously exchanged ISP-Bound Traffic in any one or more LATAs in a particular state prior to April 18, 2001, Bill and Keep will be the reciprocal compensation arrangement for all ISP-Bound Traffic between CLEC and ILEC for the remaining term of this Agreement in any such LATAs in that state.
- 6.4.2 In the event CLEC and ILEC have previously exchanged traffic in a LATA in a particular state prior to April 18, 2001, the Parties agree that they shall only compensate each other for completing ISP-Bound Traffic exchanged in that LATA, and that any ISP-Bound Traffic in other LATAs shall be Bill and Keep for the remaining term of this Agreement.
- 6.5 Growth Cap and New Market Bill and Keep Arrangements
- 6.5.1 Wherever Bill and Keep for ISP-Bound Traffic is the traffic termination arrangement between CLEC and ILEC, both Parties shall segregate the Bill and Keep traffic from other compensable traffic either (a) by excluding the Bill and Keep minutes of use from other compensable minutes of use in the monthly billing invoices, or (b) by any other means mutually agreed upon by the Parties.
- 6.5.2 The Growth Cap and New Market Bill and Keep arrangement applies only to ISP-Bound Traffic, and does not include Transit traffic, Optional Calling Area traffic, IntraLATA Interexchange traffic, or InterLATA Interexchange traffic.
- 6.6 ISP-Bound Traffic Rebuttable Presumption
- 6.6.1 In accordance with Paragraph 79 of the FCC’s ISP Compensation Order, CLEC and ILEC agree that there is a rebuttable presumption that any of the combined Section 251(b)(5) traffic and ISP-Bound Traffic exchanged between CLEC and ILEC exceeding a 3:1 terminating to originating ratio is presumed to be ISP-Bound Traffic subject to the compensation and growth cap terms in this Section 6.0. Either Party has the right to rebut the 3:1 ISP-Bound Traffic presumption by identifying the

actual ISP-Bound Traffic by any means mutually agreed by the Parties, or by any method approved by the Commission. If a Party seeking to rebut the presumption takes appropriate action at the Commission pursuant to Section 252 of the Act and the Commission agrees that such Party has rebutted the presumption, the methodology and/or means approved by the Commission for use in determining the ratio shall be utilized by the Parties as of the date of the Commission approval and, in addition, shall be utilized to determine the appropriate true-up as described below. During the pendency of any such proceedings to rebut the presumption, CLEC and ILEC will remain obligated to pay the presumptive rates (reciprocal compensation rates for traffic below a 3:1 ratio, the rates set forth in Section 6.2.2 for traffic above the ratio) subject to a true-up upon the conclusion of such proceedings. Such true-up shall be retroactive back to the date a Party first sought appropriate relief from the Commission.

7. NON-LOCAL CALL TERMINATION

- 7.1 The Parties recognize and agree that ISP and Internet traffic could also be traded outside of the applicable local calling scope, or routed in ways that could make the rates and rate structure in Sections 5 and 6 above not apply, including but not limited to ISP calls that fit the underlying Agreement's definitions of:
- Transit Traffic
 - Optional EAS Traffic
 - IntraLATA Interexchange Traffic
 - InterLATA Interexchange Traffic
 - 800, 888, 877, ("8yy") Traffic
 - Feature Group A Traffic
 - Feature Group D Traffic
- 7.2 The Parties agree that, for the purposes of this Appendix, either Parties' end users remain free to place ISP calls on a "Non-Local" basis under any of the above classifications. Notwithstanding anything to the contrary herein, to the extent such "non-Local" ISP calls are placed, the Parties agree that Sections 5 and 6 above does not apply, and that the Agreement's rates, terms and conditions for IntraLATA and/or InterLATA calling shall apply, including but not limited to rating and routing according to the terminating parties' Exchange Access intrastate and/or interstate tariffs.
- 7.3 The Parties agree that physical interconnection, routing, and trunking of ISP calls on an Inter-Exchange basis, either IntraLATA or InterLATA, shall be as specified in the Agreement for all other traffic exchanged, including but not limited to, the need to route over Meet Point Billed trunks.

8. OPTIONAL CALLING AREA TRAFFIC – SBC ARKANSAS, SBC KANSAS, SBC OKLAHOMA AND SBC TEXAS

- 8.1 Compensation for Optional Calling Area (OCA) Traffic is for the termination of intercompany traffic to and from the one-way or two-way optional exchanges(s) and the associated metropolitan area.
- 8.2 In the context of this Appendix, Optional Calling Areas (OCAs) exist only in the states of Oklahoma, Kansas, Arkansas, and Texas, and are outlined in the applicable state Local Exchange tariffs. This rate is independent of any retail service arrangement established by either Party. CLEC and **SBC ARKANSAS**, **SBC KANSAS**, **SBC OKLAHOMA** and **SBC TEXAS** are not precluded from establishing its own local calling areas or prices for purposes of retail telephone service; however the terminating rates to be used for any such offering will still be administered as described in this Appendix.
- 8.3 The state specific OCA Transport and Termination rates are outlined in Appendix Pricing.

9. MCA TRAFFIC -- SBC MISSOURI

- 9.1 For compensation purposes in the state of Missouri, Local Traffic shall be further defined as "Metropolitan Calling Area (MCA) Traffic" and "Non-MCA Traffic." MCA Traffic is traffic originated by a party providing a local calling scope plan pursuant to the Missouri Public Service Commission Orders in Case No. TO-92-306 and Case No. TO-99-483 (MCA Orders) and the call is a local call based on the calling scope of the

originating party pursuant to the MCA Orders. Non-MCA Traffic is all Local Traffic that is not defined as MCA Traffic.

- 9.1.1 Either party providing Metropolitan Calling Area (MCA) service shall offer the full calling scope prescribed in Case No. TO-92-306, without regard to the identity of the called party's local service provider. The parties may offer additional toll-free outbound calling or other services in conjunction with MCA service, but in any such offering the party shall not identify any calling scope other than that prescribed in Case No. TO-92-306 as "MCA" service.
- 9.1.2 Pursuant to the Missouri Public Service Commission Order in Case No. TO-99-483, MCA Traffic shall be exchanged on a bill-and-keep intercompany compensation basis meaning that the party originating a call defined as MCA Traffic shall not compensate the terminating party for terminating the call. Furthermore, the Transit Traffic rate element shall not apply to MCA Traffic (i.e., no transiting charges shall be assessed for MCA Traffic).
- 9.2 The parties agree to use the Local Exchange Routing Guide (LERG) to provision the appropriate MCA NXXs in their networks. The LERG should be updated at least forty-five (45) days in advance of opening a new code to allow the other party the ability to make the necessary network modifications. If the Commission orders the parties to use an alternative other than the LERG, the parties will comply with the Commission's final order.
- 9.3 If CLEC provides service via resale or in conjunction with ported numbers in the MCA, the appropriate MCA NXXs will be updated by **SBC SOUTHWEST REGION 5-STATE**.

10. TRANSIT TRAFFIC COMPENSATION

- 10.1 Transiting Service allows one Party to send Local, Optional, intraLATA Toll Traffic, and 800 intraLATA Toll Traffic to a third party network through the other Party's tandem. A Transiting rate element applies to all MOUs between a Party and third party networks that transits an **SBC-13STATE** network. The originating Party is responsible for payment of the appropriate rates unless otherwise specified. The Transiting rate element is only applicable when calls do not originate with (or terminate to) the transit Party's End User. Pursuant to the Missouri Public Service Commission Order in Case No. TO-99-483, the Transit Traffic rate element shall not apply to MCA Traffic (i.e., no transiting charges shall be assessed for MCA Traffic) for **SBC MISSOURI**. The rates that **SBC-13STATE** shall charge for transiting CLEC traffic are outlined in Appendix Pricing.
- 10.2 The Parties agree to enter into their own agreement with third party Telecommunications Carriers prior to delivering traffic for transiting to the third party. In the event one Party originates traffic that transits the second Party's network to reach a third party Telecommunications Carrier with whom the originating Party does not have a traffic Interexchange agreement, then originating Party will indemnify the second Party against any and all charges levied by such third party telecommunications carrier, including any termination charges related to such traffic and any attorneys fees and expenses. The terminating party and the tandem provider will bill their respective portions of the charges directly to the originating party, and neither the terminating party nor the tandem provider will be required to function as a billing intermediary, e.g. clearinghouse.
- 10.3 The CLEC shall not bill **SBC-13STATE** for terminating any Transit traffic, whether identified or unidentified; i.e., whether **SBC-13STATE** is sent CPN or is not sent CPN by the originating company.
- 10.4 In those **SBC-13STATE**s where Primary Toll Carrier (PTC) arrangements are mandated, for intraLATA Toll Traffic which is subject to a PTC arrangement and where **SBC-13STATE** is the PTC, **SBC-13STATE** shall deliver such intraLATA Toll Traffic to the terminating carrier in accordance with the terms and conditions of such PTC arrangement. Upon receipt of verifiable Primary Toll records, **SBC-13STATE** shall reimburse the terminating carrier at **SBC-13STATE**'s applicable tariffed terminating switched access rates. When transport mileage cannot be determined, an average transit transport mileage shall be applied as set forth in Appendix Pricing.

- 10.5 CLEC will establish sufficient direct trunk groups between CLEC and a Third Party's network when CLEC's traffic volumes to said Third Party require twenty-four (24) or more trunks.

11. OPTIONAL CALLING AREA TRANSIT TRAFFIC -- SBC ARKANSAS, SBC KANSAS, SBC OKLAHOMA, AND SBC TEXAS

- 11.1 In the states of Texas, Missouri, Kansas, and Arkansas, the Optional Area Transit Traffic rate element applies when one End User is in a SBC SOUTHWEST REGION 5-STATE one-way or two-way optional exchange and the other End User is within the SBC ARKANSAS, SBC KANSAS and/or SBC TEXAS local or mandatory exchanges. The Parties agree to apply the Optional Area Transit rate to traffic terminating to third party Independent LEC that shares a common mandatory local calling area with all SBC ARKANSAS, SBC KANSAS, SBC MISSOURI and SBC TEXAS exchanges included in a specific metropolitan exchange area. The Optional Area Transit Traffic rates that will be billed are outlined in Appendix Pricing. The specific NXXs and associated calling scopes can be located in the applicable state Local Exchange tariff.

12. INTRALATA 800 TRAFFIC

- 12.1 The Parties shall provide to each other intraLATA 800 Access Detail Usage Data for Customer billing and intraLATA 800 Copy Detail Usage Data for access billing in Exchange Message Interface (EMI) format. On a monthly basis the Parties agree to provide this data to each other at no charge. In the event of errors, omissions, or inaccuracies in data received from either Party, the liability of the Party providing such data shall be limited to the provision of corrected data only. If the originating Party does not send an End User billable record to the terminating Party, the originating Party will not bill the terminating Party any interconnection charges for this traffic.
- 12.2 IntraLATA 800 Traffic calls are billed to and paid for by the called or terminating Party, regardless of which Party performs the 800 query. Billing shall be based on originating and terminating NPA/NXX.

13. MEET POINT BILLING (MPB) and SWITCHED ACCESS TRAFFIC COMPENSATION

- 13.1 Intercarrier compensation for Switched Access Traffic shall be on a Meet Point Billing ("MPB") basis as described below.
- 13.2 The Parties will establish MPB arrangements in order to provide Switched Access Services via the respective carrier's Tandem Office Switch in accordance with the MPB guidelines contained in the Ordering and Billing Forum's MECOD and MECAB documents, as amended from time to time.
- 13.3 Billing for the Switched Exchange Access Services jointly provided by the Parties via MPB arrangements shall be according to the multiple bill/single tariff method. As described in the MECAB document, each Party will render a bill in accordance with its own tariff for that portion of the service it provides. Each Party will bill its own network access service rates. The residual interconnection charge (RIC), if any, will be billed by the Party providing the end office function.
- 13.4 The Parties will maintain provisions in their respective federal and state access tariffs, or provisions within the National Exchange Carrier Association (NECA) Tariff No. 4, or any successor tariff, sufficient to reflect this MPB arrangement, including MPB percentages.
- 13.5 As detailed in the MECAB document, the Parties will exchange all information necessary to accurately, reliably and promptly bill third parties for Switched Access Services traffic jointly handled by the Parties via the Meet Point Billing arrangement. Information shall be exchanged in a mutually acceptable electronic file transfer protocol. Where the EMI records cannot be transferred due to a transmission failure, records can be provided via a mutually acceptable medium. The exchange of Access Usage Records ("AURs") to accommodate MPB will be on a reciprocal, no charge basis. Each Party agrees to provide the other Party with AURs based upon mutually agreed upon intervals.
- 13.6 MPB shall also apply to all jointly provided Switched Access MOU traffic bearing the 900, or toll free NPAs (e.g., 800, 877, 866, 888 NPAs, or any other non-geographic NPAs). The Party that performs the SSP function (launches the query to the 800 database) will bill the 800 Service Provider for this function.

- 13.7 Each Party will act as the Official Recording Company for switched access usage when it is jointly provided between the Parties. As described in the MECAB document, the Official Recording Company for tandem routed traffic is: (1) the end office company for originating traffic, (2) the tandem company for terminating traffic and (3) the SSP company for originating 800 traffic.
- 13.8 SBC-13STATE and CLEC agree to provide the other Party with notification of any discovered errors in the record exchange process within ten (10) business days of the discovery.
- 13.9 In the event of a loss of data, both Parties shall cooperate to reconstruct the lost data within sixty (60) days of notification and if such reconstruction is not possible, shall accept a reasonable estimate of the lost data, based upon no more than three (3) to twelve (12) consecutive months of prior usage data.

14. INTRALATA TOLL TRAFFIC COMPENSATION

- 14.1 For intrastate intraLATA toll traffic, compensation for termination of intercompany traffic will be at terminating access rates for Message Telephone Service (MTS) and originating access rates for 800 Service, including the Carrier Common Line (CCL) charge where applicable, as set forth in each Party's Intrastate Access Service Tariff, but such compensation shall not exceed the compensation contained in an ILEC's tariff in whose exchange area the End User is located. For interstate intraLATA intercompany service traffic, compensation for termination of intercompany traffic will be at terminating access rates for MTS and originating access rates for 800 Service including the CCL charge, as set forth in each Party's interstate Access Service Tariff, but such compensation shall not exceed the compensation contained in the ILEC's tariff in whose exchange area the End User is located. Common transport, (both fixed and variable), as well as tandem switching and end office rates apply only in those cases where a Party's tandem is used to terminate traffic.

15. BILLING FOR MUTUAL COMPENSATION -- SBC SOUTHWEST REGION 5-STATE

- 15.1 In SBC SOUTHWEST REGION 5-STATE other than for traffic described in Section 7.0 above, each Party shall deliver monthly settlement statements for terminating the other Party's traffic based on the following:
- 15.2 Each Party shall, unless otherwise agreed, adhere to the detailed technical descriptions and requirements for the recording, record exchange, and billing of traffic using the guidelines as set forth in the Technical Exhibit Settlement Procedures (TESP). Each Party will transmit the summarized originating minutes of usage within fifteen (15) business days following the prior month's close of business for all traffic including local, transiting, and optional EAS via the 92-type record process to the transiting and/or terminating Party for subsequent monthly intercompany settlement billing. This information will also be utilized by the Parties for use in verifying and auditing to confirm the jurisdictional nature of Local Calls and is required from the originating Party under the terms of this Appendix.
- 15.3 If originating records are not received within sixty (60) days, upon written notification the Party not receiving the originating records will bill all MOU for that month at Switched Access rates based upon a seven (7) day traffic study.
- 15.4 The Parties will not render invoice nor payment to each other for the transport and termination of calls for a particular month's usage until both Parties have received the originating 92-type summary records CLEC for that same month's usage.
- 15.5 On a monthly basis, each Party will record its originating MOU including identification of the originating and terminating NXX for all intercompany calls.
- 15.6 Each Party will transmit the summarized originating MOU above to the transiting and/or terminating Party for subsequent monthly intercompany settlement billing.
- 15.7 MOUs will be measured in seconds by call type, and accumulated each billing period into one (1) minute increments for billing purposes in accordance with industry rounding standards.
- 15.8 Where CLEC has direct End Office Switch and Tandem Office Switch interconnection arrangements with SBC-13STATEs, SBC-13STATEs will multiply the Tandem Office Switch routed terminating MOU and End

Office Switch routed terminating MOUs by the appropriate rates in order to determine the total monthly billing to each Party.

16. BILLING FOR MUTUAL COMPENSATION – SBC MIDWEST REGION 5-STATE, SBC NEVADA, SBC CALIFORNIA, SBC CONNECTICUT

- 16.1 In SBC MIDWEST REGION 5-STATE, SBC NEVADA, SBC CALIFORNIA, and SBC CONNECTICUT, each Party will calculate terminating interconnection minutes of use based on standard Automatic Message Accounting (AMA) recordings made within each Party's network. These recordings are the basis for each Party to generate bills to the other Party. For purposes of reciprocal compensation only, measurement of minutes of use over Local Interconnection Trunk Groups shall be in actual conversation seconds. The total conversation seconds over each individual Local Interconnection Trunk Group will be totaled for the entire monthly bill and then rounded to the next whole minute.
- 16.2 Each Party will provide to the other, within fifteen (15) calendar days, after the end of each quarter, a usage report with the following information regarding traffic terminated over the Local Interconnection Trunks:
 - 16.2.1 Total traffic volume described in terms of minutes and messages and by call type (local, toll, and other) terminated to each other over the Local Interconnection Trunk Groups, and
 - 16.2.1.1 Percent Local Usage (PLU) is calculated by dividing the Local MOU delivered to a party for termination by the total MOU delivered to a Party for termination.
 - 16.2.2 Upon thirty (30) days written notice, each Party must provide the other the ability and opportunity to conduct an annual audit to ensure the proper billing of traffic between the Parties' networks. The Parties agree to retain records of call detail for six (6) months from when the calls were initially reported to the other Party. The audit will be conducted during normal business hours at an office designated by the Party being audited. Audit requests shall not be submitted more frequently than once per calendar year for each call detail type unless a subsequent audit is required. Audits shall be performed by a mutually acceptable independent auditor paid for by the Party requesting the audit. Based upon the audit, previous compensation, billing and/or settlements will be adjusted for the past twelve (12) months. Also, if the PLU is adjusted based upon the audit results, the adjusted PLU will apply for the nine (9) month period following the completion of the audit. If, as a result of the audit, either Party has overstated the PLU or underreported the call detail usage by twenty percent (20%) or more, that Party shall reimburse the auditing Party for the cost of the audit and will pay for the cost of a subsequent audit which is to happen within nine (9) months of the initial audit.

17. RESERVATION OF RIGHTS AND SPECIFIC INTERVENING LAW TERMS

- 17.1 The Parties acknowledge that on April 27, 2001, the FCC released its Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, *In the Matter of the Local Competition Provisions in the Telecommunications Act of 1996; Inter-carrier Compensation for ISP-Bound Traffic* (the "**ISP Compensation Order**"), which was remanded in *WorldCom, Inc. v. FCC*, No. 01-1218 (D.C. Cir. 2002). The Parties agree that by executing this Appendix and carrying out the intercarrier compensation terms and conditions herein, neither Party waives any of its rights, and expressly reserves all of its rights, under the ISP Compensation Order or any other regulatory, legislative or judicial action, including, but not limited to, the right to elect to invoke (to the extent the ILEC has not already elected to offer to exchange traffic pursuant to the terms and conditions of the FCC's interim ISP terminating compensation plan as of the Effective Date of this Agreement) on a date specified by ILEC the FCC's interim ISP terminating compensation plan, after which date ISP-Bound traffic and Section 251(b)(5) Traffic exchanged between the Parties will be subject to Sections 6.0 through 6.6 above.
- 17.2 To the extent ILEC has not already provided notice of its offer to exchange Section 251(b)(5) traffic and ISP-Bound Traffic pursuant to the terms and conditions of the FCC's interim terminating compensation plan in a particular state as of the Effective Date of this Agreement, ILEC agrees to provide 20 days advance written notice to the person designated to receive official contract notices in the Interconnection Agreement of the date upon which the ILEC designates that the FCC's ISP terminating compensation plan shall begin

in such state. Notwithstanding anything contrary in this Agreement, CLEC agrees that on the date designated by ILEC in a particular state, the Parties will begin paying and billing Inter-carrier Compensation to each other at the rates, terms and conditions specified in Sections 6.0 through 6.6 above.

- 17.3 ILEC and CLEC agree to carry out the FCC's interim ISP terminating compensation plan on the date designated by ILEC in a particular state without waiving, and expressly reserving, all appellate rights to contest FCC, judicial, legislative, or other regulatory rulings regarding ISP -Bound traffic, including but not limited to, appeals of the FCC's ISP Compensation Order. By agreeing to this Appendix, both Parties reserve the right to advocate their respective positions before courts, state or federal commissions, or legislative bodies.
- 17.4 Should a regulatory agency, court or legislature change or nullify the ILEC's designated date to begin billing under the FCC's ISP terminating compensation plan, then the Parties also agree that any necessary billing true ups, reimbursements, or other accounting adjustments shall be made symmetrically and to the same date that the FCC terminating compensation plan was deemed applicable to all traffic in that state exchanged under Section 251(b)(5) of the Act. By way of interpretation, and without limiting the application of the foregoing, the Parties intend for retroactive compensation adjustments, to the extent they are ordered by Intervening Law, to apply uniformly to all traffic among ILEC, CLEC and Commercial Mobile Radio Service (CMRS) carriers in the state where traffic is exchanged as Local Calls within the meaning of this Appendix.
- 17.5 The Parties further acknowledge that federal or state court challenges could be sustained against the FCC's ISP Compensation Order in particular, or against ISP inter-carrier compensation generally. In particular, a court could order an injunction, stay or other retroactive ruling on ISP compensation back to the effective date of the FCC's ISP Compensation Order. Alternatively, a court could vacate the underlying Order upon which the compensation was based, and the FCC (either on remand or on its own motion) could rule that past traffic should be paid at different rates, terms or conditions.
- 17.6 Because of the possibilities in Section 17.5, the Parties agree that should the ISP Compensation Order be modified or reversed in such a manner that prior inter-carrier compensation was paid under rates, terms or conditions later found to be null and void, then the Parties agree that, in addition to negotiating appropriate amendments to conform to such modification or reversal, the Parties will also agree that any billing true ups, reimbursements, or other accounting adjustments on past traffic shall be made uniformly and on the same date as for all traffic exchanged under Section 251(b)(5) of the Act. By way of interpretation, and without limiting the application of the foregoing, the Parties intend for retroactive compensation adjustments, to apply to all traffic among ILEC, CLEC, and CMRS carriers in the state where traffic is exchanged as Local Calls within the meaning of this Appendix.
- 17.7 The Parties further acknowledge that the FCC has issued a Notice of Proposed Rulemaking on the topic of Inter-carrier Compensation generally. *See, In the Matter of Developing a Unified Inter-carrier Compensation Regime*, CC Docket 01-92; established in Notice of Proposed Rulemaking Order No. 01-132, April 27, 2001. In the event that a final, legally binding FCC Order is issued upon the conclusion of that NPRM proceeding and during the term of this Appendix, the Parties agree to conform this Agreement to the compensation procedures set forth in that Order.
- 17.8 The Parties reserve the right to raise the appropriate treatment of Voice Over Internet Protocol (VOIP) or other Internet Telephony traffic under the Dispute Resolution provisions of this Interconnection Agreement. The Parties further agree that this Appendix shall not be construed against either Party as a "meeting of the minds" that VOIP or Internet Telephony traffic is or is not local traffic subject to reciprocal compensation. By entering into the Appendix, both Parties reserve the right to advocate their respective positions before state or federal commissions whether in bilateral complaint dockets, arbitrations under Sec. 252 of the Act, commission established rulemaking dockets, or in any legal challenges stemming from such proceedings.

18. ADDITIONAL TERMS AND CONDITIONS

- 18.1 Legitimately Related Terms. Every interconnection, service and network element provided here shall be subject to all rates, terms and conditions contained in the underlying Interconnection Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.
- 18.2 Entire Agreement. This Reciprocal Compensation Appendix is intended to be read in conjunction with the underlying Interconnection Agreement between ILEC and CLEC, but that as to the Reciprocal Compensation terms and conditions, this Appendix constitutes the entire agreement between the Parties on these issues, and there are no other oral agreements or understandings between them on Reciprocal Compensation that are not incorporated into this Appendix.

Line	OHIO - Generic Rate Sheets	USOC	Monthly - Recurring		Non-Recurring	
2	<u>UNBUNDLED NETWORK ELEMENTS</u>					
3						
4	<u>Unbundled Local Switching with Shared Transport (ULS-ST)</u>					
5	ULS-ST Inter-carrier Compensation MOU	USAGE	\$ 0.0007	per MOU	NA	
6						
7	<u>INTERCARRIER COMPENSATION</u>					
8	Rate for All ISP-Bound and Section 251(b)(5) Traffic as per FCC 01-131, per MOU	USAGE	\$ 0.0007			
9						
10						
11						
12	<u>TRANSIT SERVICE</u>					
13	## Tandem Switching - per minute of use	USAGE	\$ 0.004587			
14	## Tandem Termination - per minute of use	USAGE	\$ 0.000226			
15	## Tandem Facility - per minute of use	USAGE	\$ 0.000188			
16	## Rate elements not included in TELRIC order					
17	Per and only to the extent required by PUCO 7/11/02 order in 96-922-TP-UNC and 00-1368-TP-ATA."					
18						

**AMENDMENT
TO INTERCONNECTION AGREEMENT
BY AND BETWEEN
THE OHIO BELL TELEPHONE COMPANY
AND
NEUTRAL TANDEM-MICHIGAN, LLC**

The Interconnection Agreement ("Agreement") by and between The Ohio Bell Telephone Company d/b/a SBC Ohio ("SBC Ohio")¹ and Neutral Tandem-Michigan, LLC ("CLEC") (collectively, the "Parties") is hereby amended ("Permanent Order Amendment") as follows:

WHEREAS, the Public Utilities Commission of Ohio ("PUCO" or "Commission") issued an order ("First Interim Order") in Case No. 02-1280-TP-UNC dated March 11, 2004 to increase monthly recurring rates for 2-Wire analog UNE loops on an interim basis prior to a subsequent final order;

WHEREAS, the PUCO affirmed the First Interim Order in an Entry on Rehearing adopted on April 21, 2004, establishing the effective date for the interim rates set by the First Interim Order as April 21, 2004;

WHEREAS, consistent with the First Interim Order and Entry on Rehearing, SBC Ohio sent CLEC an amendment ("First Interim Order Amendment") to incorporate new rates into the Agreement for 2-wire analog UNE loops, unbundled 2-wire xDSL loops, 2-wire coin loops, and 2-wire ADSL loops;

WHEREAS, on December 21, 2004, the PUCO issued an order ("Second Interim Order") clarifying that the interim loop rates previously ordered by the Commission in the First Interim Order and Entry on Rehearing apply to unbundled 2-wire analog loops only (the "Interim Rates") and that such Interim Rates are applicable from April 21, 2004 through November 2, 2004 (the "Interim Rate Period");

WHEREAS, subsequent to the Second Interim Order, SBC Ohio sent CLEC an amendment ("Second Interim Order Amendment") to incorporate the Interim Rates into the Agreement for the Interim Rate Period and to remove the rates included in the First Interim Rate Order Amendment for 2-wire xDSL loops, 2-wire coin loops and 2-wire ADSL loops (the "Other Loop Rates");

WHEREAS, on February 9, 2005, the PUCO issued an order ("Permanent Order") approving SBC Ohio's compliance run studies, ordering SBC Ohio to file the appropriate price list outlining pricing for all of the unbundled loops and subloops addressed in Phase 1 of Case No. 02-1280-TP-UNC (the "Permanent Rates"), ordering SBC Ohio and CLECs to amend their interconnection agreements to incorporate the Permanent Rates, and ordering SBC Ohio and CLECs to file such amendments with the Commission by March 15, 2005; and

WHEREAS, the Parties are entering into this Permanent Order Amendment to incorporate the Interim Rates and Permanent Rates into the Agreement to replace the corresponding rates in the Agreement for the relevant time periods ordered.

NOW THEREFORE, in consideration of the mutual promises contained herein, the Parties agree as follows:

1. The Agreement is hereby amended to incorporate the Permanent Rates reflected in Attachment A (which is incorporated herein). The Parties acknowledge and agree that the Permanent Rates become effective between the Parties as of November 3, 2004, in accordance with the Permanent Order.
2. The Parties acknowledge that the Interim Rates, as listed in Attachment B, remain effective for the period of April 21, 2004 through November 2, 2004, pursuant to the First Interim Order and Entry on Rehearing. Accordingly, the Agreement is hereby amended to incorporate the Interim Rates reflected in Attachment B (which is incorporated herein) for the Interim Rate Period only. If the Parties have entered into the First Interim

¹ The Ohio Bell Telephone Company (previously referred to as "Ohio Bell") is a wholly owned subsidiary of SBC Midwest and now uses the registered trade name "SBC Ohio." SBC Midwest is a wholly owned subsidiary of SBC Communications Inc.

Order Amendment and/or the Second Interim Order Amendment, this Permanent Order Amendment shall supercede such amendments upon becoming effective pursuant to Section 6 hereof.

3. SBC Ohio shall perform all billing and/or true-ups necessary to (i) apply the Interim Rates listed in Attachment B for the Interim Rate Period, (ii) credit CLEC, if applicable, for any billed Other Loop Rates assessed during the Interim Rate Period pursuant to the First Interim Rate Order Amendment, and (iii) apply the Permanent Rates listed in Attachment A hereto beginning November 3, 2004.² All other rates in the Agreement remain unchanged.
4. In entering into this Amendment and carrying out the provisions herein, neither Party waives, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights (including intervening law rights asserted by either Party via written notice predating this Amendment) relating to the following actions, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review: *Verizon v. FCC*, *et. al*, 535 U.S. 467 (2002); *USTA v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, *USTA v. FCC*, 359 F.3d 554 (D.C. Cir. 2004); the FCC's Triennial Review Order, CC Docket Nos. 01-338, 96-98, and 98-147 (FCC 03-36) including, without limitation, the FCC's MDU Reconsideration Order (FCC 04-191) (rel. Aug. 9, 2004) and the FCC's Order on Reconsideration (FCC 04-248) (rel. Oct. 18, 2004), and the FCC's Biennial Review Proceeding; the FCC's Order on Remand (FCC 04-290), WC Docket No. 04-312 and CC Docket No. 01-338 (rel. Feb. 4, 2005) ("TRO Remand Order"); the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("ISP Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking as to Inter-carrier Compensation, CC Docket 01-92 (Order No. 01-132) (rel. April 27, 2001) (collectively "Government Actions"). Notwithstanding anything to the contrary in this Agreement (including this and any other amendments to the Agreement), SBC OHIO shall have no obligation to provide UNEs, combinations of UNEs, combinations of UNE(s) and CLEC's own elements or UNEs in commingled arrangements beyond those required by the Act, including the lawful and effective FCC rules and associated FCC and judicial orders. Further, neither Party will argue or take the position before any state or federal regulatory commission or court that any provisions set forth in this Agreement and this Amendment constitute an agreement or waiver relating to the appropriate routing, treatment and compensation for Voice Over Internet Protocol traffic and/or traffic utilizing in whole or part Internet Protocol technology; rather, each Party expressly reserves any rights, remedies, and arguments they may have as to such issues including but not limited, to any rights each may have as a result of the FCC's Order *In the Matter of Petition for Declaratory Ruling that AT&T's Phone-to-Phone IP Telephony Services are Exempt from Access Charges*, WC Docket No. 02-361 (rel. April 21, 2004). Notwithstanding anything to the contrary in the Agreement and this Amendment and except to the extent that SBC OHIO has adopted the FCC ISP terminating compensation plan ("FCC Plan") in Ohio, and the Parties have incorporated rates, terms and conditions associated with the FCC Plan into this Agreement, these rights also include but are not limited to SBC OHIO's right to exercise its option at any time to adopt on a date specified by SBC OHIO the FCC Plan, after which date ISP-bound traffic will be subject to the FCC Plan's prescribed terminating compensation rates, and other terms and conditions, and seek conforming modifications to this Agreement. If any action by any state or federal regulatory or legislative body or court of competent jurisdiction invalidates, modifies, or stays the enforcement of laws or regulations that were the basis or rationale for any rate(s), term(s) and/or condition(s) ("Provisions") of the Agreement and this Amendment and/or otherwise affects the rights or obligations of either Party that are addressed by the Agreement and this Amendment, specifically including but not limited to those arising with respect to the Government Actions, the affected

² Notwithstanding anything to the contrary in the Agreement (including, as applicable, this Amendment and any other amendments to the Agreement), in the event that any other telecommunications carrier should adopt provisions in the Agreement pursuant to Section 252(i) of the Act ("Adopting CLEC") after the effective date of a particular rate change, that rate change shall only apply prospectively under the adopted provisions beginning from the date that the MFN provisions becomes effective between SBC Ohio and the Adopting CLEC following the PUCO's order approving the Adopting CLEC's Section 252(i) adoption or, the date such Agreement is deemed approved by operation of law ("Section 252(i) Effective Date"), and that rate change would not in any manner apply under the adopted provisions retroactively prior to the Section 252(i) Effective Date.

Provision(s) shall be immediately invalidated, modified or stayed consistent with the action of the regulatory or legislative body or court of competent jurisdiction upon the written request of either Party ("Written Notice"). With respect to any Written Notices hereunder, the Parties shall have sixty (60) days from the Written Notice to attempt to negotiate and arrive at an agreement on the appropriate conforming modifications to the Agreement. If the Parties are unable to agree upon the conforming modifications required within sixty (60) days from the Written Notice, any disputes between the Parties concerning the interpretation of the actions required or the provisions affected by such order shall be resolved pursuant to the dispute resolution process provided for in this Agreement.

5. This Permanent Order Amendment does not in any way prohibit, limit, or otherwise affect either Party from taking any position with respect to the First Interim Order, Second Interim Order, and/or the Permanent Order, or any issue or subject addressed or implicated therein, or from raising and pursuing its rights and abilities with respect to such orders or any issue or subject addressed or implicated therein, or any legislative, regulatory, administrative or judicial action with respect to any of the foregoing.
6. The Parties acknowledge and agree that this Permanent Order Amendment shall be filed with, and is subject to approval by, the PUCO. Based on PUCO practice, this Amendment shall be effective upon filing and will be deemed approved by operation of law on the 31st day after filing. However, irrespective of the approval date, the Interim Rates and Permanent Rates shall be applied in accordance with the terms hereof (including footnote 2, when applicable). SBC Ohio may submit revised billing to CLEC, if necessary, to effectuate same.
7. This Permanent Order Amendment is the result of the PUCO's orders referenced herein and solely addresses rates and rate structures. Accordingly, no aspect of this Permanent Order Amendment qualifies for portability into any other state under any state or federal statute, regulation, order or legal obligation (collectively "Law"), if any. The entirety of this Permanent Order Amendment and its provisions are non-severable, and are "legitimately related" as that phrase is understood under Section 252(i) of Title 47, United States Code.
8. This Amendment shall not modify or extend the Effective Date or Term of the Agreement, but rather will be coterminous with the Agreement.
9. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this 11th day of March, 2005, by SBC Ohio, signing by and through its duly authorized representative, and CLEC, signing by and through its duly authorized representative.

Neutral Tandem-Michigan, LLC

By: David TatakName: DAVID TATAK
(Print or Type)Title: VP BILLING & REVENUE SVCS.
(Print or Type)Date: 3/7/05The Ohio Bell Telephone Company d/b/a SBC Ohio
by SBC Operations, Inc., its authorized agentBy: Mike AuinbauhName: Mike Auinbauh
(Print or Type)Title: AVP-Local Interconnection MarketingDate: 3-11-05FACILITIES-BASED OCN # 464CACNA DWS

PUCO 02-1280
PERMANENT MONTHLY RECURRING RATES
Effective November 3, 2004

ATTACHMENT A
SBC OHIO/NEUTRAL TANDEM-
MICHIGAN, LLC

Line	OHIO	USOC	Recurring
2	<u>NETWORK ELEMENTS</u>		
3	<u>Loops</u>		
4	2-Wire Analog - Metro (Access Area B)	U2HXB	\$9.46
5	2-Wire Analog - Suburban (Access Area C)	U2HXC	\$12.52
6	2-Wire Analog - Rural (Access Area D)	U2HXD	\$13.65
7	2-Wire Ground Start, Analog - Metro (Access Area B)	U2JXB	\$8.61
8	2-Wire Ground Start, Analog - Suburban (Access Area C)	U2JXC	\$13.50
9	2-Wire Ground Start, Analog - Rural (Access Area D)	U2JXD	\$14.72
10	2-Wire Ground Start, DID Business - Metro (Access Area B)	U2WXB	\$8.61
11	2-Wire Ground Start, DID Business - Suburban (Access Area C)	U2WXC	\$13.50
12	2-Wire Ground Start, DID Business - Rural (Access Area D)	U2WXD	\$14.72
13	2-Wire COPTS Coin - Metro (Access Area B)	U2CXB	\$8.67
14	2-Wire COPTS Coin - Suburban (Access Area C)	U2CXC	\$13.76
15	2-Wire COPTS Coin - Rural (Access Area D)	U2CXD	\$14.99
16	2-Wire EKL - Metro (Access Area B)	U2KXB	\$9.46
17	2-Wire EKL - Suburban (Access Area C)	U2KXC	\$17.15
18	2-Wire EKL - Rural (Access Area D)	U2KXD	\$18.50
19	4-Wire Analog - Metro (Access Area B)	U4HXB	\$17.75
20	4-Wire Analog - Suburban (Access Area C)	U4HXC	\$29.31
21	4-Wire Analog - Rural (Access Area D)	U4HXD	\$31.81
22	2-Wire Digital - Metro (Access Area B)	U2QXB	\$10.49
23	2-Wire Digital - Suburban (Access Area C)	U2QXC	\$17.10
24	2-Wire Digital - Rural (Access Area D)	U2QXD	\$18.96
25	DS1 - Metro (Access Area B)	U41XB	\$31.77
26	DS1 - Suburban (Access Area C)	U41XC	\$46.79
27	DS1 - Rural (Access Area D)	U41XD	\$50.38
28	DS3 - Metro (Access Area A)	U4D3A	\$335.08
29	DS3 - Suburban (Access Area B)	U4D3B	\$409.73
30	DS3 - Rural (Access Area C)	U4D3C	\$523.90
31			
32	DSL Capable Loops		
33	2-Wire xDSL Loop		
34	PSD #1 - 2-Wire xDSL Loop Access Area B- Metro	2SLA1	\$9.46
35	PSD #1 - 2-Wire xDSL Loop Access Area C- Suburban	2SLA2	\$12.52
36	PSD #1 - 2-Wire xDSL Loop Access Area D- Rural	2SLA3	\$13.65
37			
38	PSD #2 - 2-Wire xDSL Loop Access Area B- Metro	2SLC1	\$9.46
39	PSD #2 - 2-Wire xDSL Loop Access Area C- Suburban	2SLC2	\$12.52
40	PSD #2 - 2-Wire xDSL Loop Access Area D- Rural	2SLC3	\$13.65
41			
42	PSD #3 - 2-Wire xDSL Loop Access Area B- Metro	2SLB1	\$9.46
43	PSD #3 - 2-Wire xDSL Loop Access Area C- Suburban	2SLB2	\$12.52
44	PSD #3 - 2-Wire xDSL Loop Access Area D- Rural	2SLB3	\$13.65
45			
46	PSD #4 - 2-Wire xDSL Loop Access Area B- Metro	2SLD1	\$9.46
47	PSD #4 - 2-Wire xDSL Loop Access Area C- Suburban	2SLD2	\$12.52
48	PSD #4 - 2-Wire xDSL Loop Access Area D- Rural	2SLD3	\$13.65
49			
50	PSD #5 - 2-Wire xDSL Loop Access Area B- Metro	UWRA1	\$9.46
51	PSD #5 - 2-Wire xDSL Loop Access Area C- Suburban	UWRA2	\$12.52
52	PSD #5 - 2-Wire xDSL Loop Access Area D- Rural	UWRA3	\$13.65
53			
54	PSD #7 - 2-Wire xDSL Loop Access Area B- Metro	2SLF1	\$9.46
55	PSD #7 - 2-Wire xDSL Loop Access Area C- Suburban	2SLF2	\$12.52
56	PSD #7 - 2-Wire xDSL Loop Access Area D- Rural	2SLF3	\$13.65

PUCO 02-1280
PERMANENT MONTHLY RECURRING RATES
Effective November 3, 2004

ATTACHMENT A
SBC OHIO/NEUTRAL TANDEM-
MICHIGAN, LLC

Line	OHIO	USOC	Recurring
57	4-Wire xDSL Loop		
58	PSD #3 - 4-Wire xDSL Loop Access Area B- Metro	4SL11	\$17.75
59	PSD #3 - 4-Wire xDSL Loop Access Area C- Suburban	4SL12	\$29.31
60	PSD #3 - 4-Wire xDSL Loop Access Area D- Rural	4SL13	\$31.81
61	SUB-LOOPS		
62	ECS to SAI sub-loop		
63	2 Wire Analog - area B	PENDING	\$1.77
64	2 Wire Analog - Area C	PENDING	\$1.72
65	2 Wire Analog - area D	PENDING	\$1.68
66	4 Wire Analog - area B	PENDING	\$3.55
67	4 Wire Analog - area C	PENDING	\$3.45
68	4 Wire Analog - area D	PENDING	\$3.37
69	2 Wire DSL - area B	PENDING	\$1.77
70	2 Wire DSL - area C	PENDING	\$1.70
71	2 Wire DSL - area D	PENDING	\$1.66
72	4 Wire DSL - area B	PENDING	\$3.54
73	4 Wire DSL - area C	PENDING	\$3.40
74	4 Wire DSL - area D	PENDING	\$3.33
75	ECS to Terminal sub-loop		
76	2 Wire Analog - area B	PENDING	\$3.39
77	2 Wire Analog - Area C	PENDING	\$4.54
78	2 Wire Analog - area D	PENDING	\$5.83
79	4 Wire Analog - area B	PENDING	\$6.78
80	4 Wire Analog - area C	PENDING	\$9.09
81	4 Wire Analog - area D	PENDING	\$11.66
82	2 Wire DSL - area B	PENDING	\$3.39
83	2 Wire DSL - area C	PENDING	\$4.52
84	2 Wire DSL - area D	PENDING	\$5.81
85	4 Wire DSL - area B	PENDING	\$6.77
86	4 Wire DSL - area C	PENDING	\$9.04
87	4 Wire DSL - area D	PENDING	\$11.62
88	ECS to NID sub-loop		
89	2 Wire Analog - area B	PENDING	\$6.03
90	2 Wire Analog - Area C	PENDING	\$7.29
91	2 Wire Analog - area D	PENDING	\$8.60
92	4 Wire Analog - area B	PENDING	\$9.41
93	4 Wire Analog - area C	PENDING	\$12.44
94	4 Wire Analog - area D	PENDING	\$15.12
95	2 Wire DSL - area B	PENDING	\$6.03
96	2 Wire DSL - area C	PENDING	\$7.27
97	2 Wire DSL - area D	PENDING	\$8.58
98	4 Wire DSL - area B	PENDING	\$9.41
99	4 Wire DSL - area C	PENDING	\$12.40
100	4 Wire DSL - area D	PENDING	\$15.08
101	SAI to Terminal sub-loop		
102	2 Wire Analog - area B	PENDING	\$2.08
103	2 Wire Analog - Area C	PENDING	\$3.30
104	2 Wire Analog - area D	PENDING	\$4.63
105	4 Wire Analog - area B	PENDING	\$4.16
106	4 Wire Analog - area C	PENDING	\$6.59
107	4 Wire Analog - area D	PENDING	\$9.27
108	2 Wire DSL - area B	PENDING	\$2.07
109	2 Wire DSL - area C	PENDING	\$3.27
110	2 Wire DSL - area D	PENDING	\$4.61
111	4 Wire DSL - area B	PENDING	\$4.15

PUCO 02-1280
PERMANENT MONTHLY RECURRING RATES
Effective November 3, 2004

ATTACHMENT A
SBC OHIO/NEUTRAL TANDEM-
MICHIGAN, LLC

Line	OHIO	USOC	Recurring
112	4 Wire DSL - area C	PENDING	\$6.55
113	4 Wire DSL - area D	PENDING	\$9.23
114	SAI to NID sub-loop		
115	2 Wire Analog - area B	PENDING	\$4.72
116	2 Wire Analog - Area C	PENDING	\$6.05
117	2 Wire Analog - area D	PENDING	\$7.41
118	4 Wire Analog - area B	PENDING	\$6.79
119	4 Wire Analog - area C	PENDING	\$9.95
120	4 Wire Analog - area D	PENDING	\$12.73
121	2 Wire DSL - area B	PENDING	\$4.71
122	2 Wire DSL - area C	PENDING	\$6.03
123	2 Wire DSL - area D	PENDING	\$7.39
124	4 Wire DSL - area B	PENDING	\$6.78
125	4 Wire DSL - area C	PENDING	\$9.91
126	4 Wire DSL - area D	PENDING	\$12.69
127	Terminal to NID sub-loop		
128	2 Wire Analog - area B	PENDING	\$2.86
129	2 Wire Analog - Area C	PENDING	\$2.97
130	2 Wire Analog - area D	PENDING	\$3.00
131	4 Wire Analog - area B	PENDING	\$2.78
132	4 Wire Analog - area C	PENDING	\$3.62
133	4 Wire Analog - area D	PENDING	\$3.75
134	2 Wire DSL - area B	PENDING	\$2.86
135	2 Wire DSL - area C	PENDING	\$2.97
136	2 Wire DSL - area D	PENDING	\$3.00
137	4 Wire DSL - area B	PENDING	\$2.78
138	4 Wire DSL - area C	PENDING	\$3.62
139	4 Wire DSL - area D	PENDING	\$3.75

Attachment B

**2-Wire Analog UNE - Loop Interim Rate increase
Effective April 21, 2004 through November 2, 2004**

USOC	Description	New Rate
U2HXB	2-Wire Analog - Metro (Access Area B)	\$ 8.84
U2HXC	2-Wire Analog - Suburban (Access Area C)	\$ 10.38
U2HXD	2-Wire Analog - Rural (Access Area D)	\$ 11.43

AMENDMENT TO
INTERCONNECTION AGREEMENT
BETWEEN
THE OHIO BELL TELEPHONE COMPANY d/b/a SBC OHIO
AND
NEUTRAL TANDEM-MICHIGAN, LLC

This TRO/TRRO Amendment amends the Interconnection Agreement by and between The Ohio Bell Telephone Company d/b/a SBC Ohio ("SBC") and Neutral Tandem-Michigan, LLC ("CLEC"). SBC and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party". This Amendment applies in SBC's service territory in the State of Ohio.

WITNESSETH:

WHEREAS, SBC and CLEC are Parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act"), dated June 15, 2004 (the "Agreement"); and

WHEREAS, the Federal Communications Commission (the "FCC") released an order on August 21, 2003 in CC Docket Nos. 01-338, 96-98, and 98-147 (the "Triennial Review Order" or "TRO"), which became effective as of October 2, 2003;

WHEREAS, on March 2, 2004, the U.S. Court of Appeals for the District of Columbia issued a decision affirming in part and vacating in part the TRO, and the affirmed portions of the TRO subsequently have become final and non-appealable;

WHEREAS, the FCC released orders on August 9, 2004 and October 18, 2004 in Docket No. 01-338, "TRO Reconsideration Orders" which subsequently became effective;

WHEREAS, the FCC released an order on February 4, 2005 in WC Docket No 04-313 and CC Docket No. 01-338, (the "Triennial Review Remand Order" or "TRO Remand"), which became effective as of March 11, 2005;

WHEREAS, pursuant to Section 252(a)(1) of the Act, the Parties wish to amend the Agreement in order to give contractual effect to the effective portions of the TRO, TRO Reconsideration Orders, and TRO Remand as set forth herein;

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Parties agree that the Agreement should be amended by the addition of the terms and conditions set forth in the TRO/TRO Remand Attachment attached hereto.
2. Conflict between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement this Amendment shall govern, *provided, however*, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Section 2.
3. Counterparts. This Amendment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original and all of which together shall constitute one and the same instrument.
4. Captions. The Parties acknowledge that the captions in this Amendment have been inserted solely for convenience of reference and in no way define or limit the scope or substance of any term or provision of this Amendment.

5. Scope of Amendment. This Amendment shall amend, modify and revise the Agreement only to the extent set forth expressly in Section 1 of this Amendment. As used herein, the Agreement, as revised and supplemented by this Amendment, shall be referred to as the “Amended Agreement.” Nothing in this Amendment shall be deemed to amend or extend the term of the Agreement, or to affect the right of a Party to exercise any right of termination it may have under the Agreement. Nothing in this Amendment shall affect the general application and effectiveness of the Agreement’s “change of law,” “intervening law,” “successor rates” and/or any similarly purposed provisions. The rights and obligations set forth in this Amendment apply in addition to any other rights and obligations that may be created by such intervening law, change in law or other substantively similar provision.
6. This Amendment may require that certain sections of the Agreement shall be replaced and/or modified by the provisions set forth in this Amendment. The Parties agree that such replacement and/or modification shall be accomplished without the necessity of physically removing and replacing or modifying such language throughout the Agreement.
7. The Parties acknowledge and agree that this Amendment shall be filed with, and is subject to approval by the Commission and shall become effective upon filing with such Commission (the “Amendment Effective Date”).
8. Reservation of Rights. Nothing contained in this Amendment shall limit either Party’s right to appeal, seek reconsideration of or otherwise seek to have stayed, modified, reversed or invalidated any order, rule, regulation, decision, ordinance or statute issued by the Commission, the FCC, any court or any other governmental authority related to, concerning or that may affect either Party’s obligations under the Agreement, this Amendment, any SBC tariff, or Applicable Law. Furthermore, to the extent any terms of this Amendment are imposed by arbitration, a party’s act of incorporating those terms into the agreement should not be construed as a waiver of any objections to that language and each party reserves its right to later appeal, challenge, seek reconsideration of, and/or oppose such language.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this 16th day of January, 2006, by The Ohio Bell Telephone Company d/b/a SBC Ohio, signing by and through its duly authorized representative, and CLEC, signing by and through its duly authorized representative.

Neutral Tandem-Michigan, LLC

By: David Tatak

Name: DAVID TATAK
(Print or Type)

Title: VP BILLING & REVENUE
(Print or Type)

Date: 1/9/06

The Ohio Bell Telephone Company d/b/a SBC Ohio by
AT&T Operations, Inc., its authorized agent

By: Rebecca L Sparks

Name: Rebecca L. Sparks
(Print or Type)

Title: Executive Director-Regulatory

Date: JAN 16 2006

FACILITIES-BASED OCN # 464C

ACNA OWS

OHIO TRO/TRRO ATTACHMENT

- 0.1 Definitions. The following definitions are applicable to this Attachment.
- 0.1.1 Building. For purposes of this Attachment relative to the DS1 and DS3 loop caps as defined in the TRRO Rules 51.319(a)(4)(ii) and 51.319(a)(5)(ii), a “building” or a “single building” is a structure under one roof. Two or more physical structures that share a connecting wall or are in close physical proximity shall not be considered a single building solely because of a connecting tunnel or covered walkway, or a shared parking garage or parking area, unless such structures share the same street address, (e.g., two department stores connected by a covered walkway to protect shoppers from weather would be considered two separate buildings). An educational, industrial, governmental or medical premises or campus shall constitute a single building for purposes of the DS1 and DS3 loop caps provided that all of the structures are located on the same continuous property and the DS1 and/or DS3 loops are terminated at a single structure and are subsequently routed throughout the premises or campus, and the property, which is owned and/or leased by the same end-user customer, is not separated by a public roadway.
- 0.1.2 Fiber-to-the-Curb (FTTC) Loop. A Fiber-to-the-Curb Loop is defined as a (1) local Loop serving Mass Market Customers consisting of fiber optic cable connecting to a copper distribution plant that is not more than 500 feet from the customer's premises or (2) a local Loop serving customers in a Predominantly Residential MDU consisting of fiber optic cable connecting to a copper distribution plant that is not more than 500 feet from the MDU's MPOE. For purposes of the definition of FTTC and FTTH Loops, examples of a “Predominantly Residential” MDU include an apartment building, condominium building, cooperative or planned unit development that allocates more than fifty percent of its rentable square footage to residences. Notwithstanding the above, a loop will only be deemed a FTTC Loop if it connects to a copper distribution plant at a serving area interface from which every other copper distribution Subloop also is not more than 500 feet from the respective customer's premises.
- 0.1.3 [Intentionally left blank.]
- 0.1.4 Fiber-to-the-Home Loop. A Fiber-to-the-Home (FTTH) Loop is defined as a local Loop serving a Customer and consisting entirely of fiber optic cable, whether dark or lit, serving a Mass Market Customer premises or, in the case of Predominantly Residential MDUs, a fiber optic cable, whether dark or lit, that extends to the multiunit premises' minimum point of entry (MPOE).
- 0.1.5 Hybrid Loop is a local Loop and is composed of both fiber optic cable and copper wire or cable between the main distribution frame (or its equivalent) in an SBC wire center and the demarcation point at the customer premises.
- 0.1.6 Mass Market Customer is an end user customer who is either (a) a residential customer or (b) a very small business customer at a premises with a transmission capacity of 23 or fewer DS-0s.
- 0.1.7 [Intentionally left blank.]
- 0.1.8 Non-Impaired Wire Centers for DS1 and DS3 Unbundled High-Capacity Loops. In accordance with Rule 51.319(a)(4), Unbundled DS1 Loop Non-Impaired Wire Centers are defined as wire centers serving at least 60,000 business lines and at least four fiber-based collocators. In accordance with Rule 51.319(a)(5) DS3 Loop Non-Impaired Wire Centers are defined as wire centers serving at least 38,000 business lines and at least four fiber-based collocators.
- 0.1.9 Tier 1 Non-Impaired Wire Centers for DS1, DS3 and Dark Fiber Unbundled Dedicated Transport. Tier 1 non-impaired wire centers are defined in accordance with Rule 51.319(e)(3)(i), as wire centers serving at least four fiber-based collocators, at least 38,000 business lines, or both.

- 0.1.10 Tier 2 Non-Impaired Wire Centers for DS1, DS3 and Dark Fiber Unbundled Dedicated Transport. Tier 2 non-impaired wire centers are defined in accordance with Rule 51.319(e)(3)(ii) as wire centers that are not Tier 1 wire centers, but contain at least three fiber-based collocators, at least 24,000 business lines, or both.
- 0.1.11 Tier 3 Wire Centers. In accordance with Rule 51.319(e)(3)(iii), Tier 3 wire centers are defined as wire centers that do not meet the criteria for Tier 1 and Tier 2 wire centers.
- 0.1.12 Business Lines. For purposes of determining Tier 1 and Tier 2 Wire Centers, business line tallies shall be calculated in accordance with the TRRO, including Rule 51.5 as follows: A business line is an ILEC-owned switched access line used to serve a business customer, whether by the ILEC itself or by a CLEC that leases the line from the ILEC. The number of business lines in a wire center shall equal the sum of all ILEC business switched access lines, plus the sum of all UNE loops connected to that wire center, including UNE loops provisioned in combination with other unbundled elements. Among these requirements, business line tallies (1) shall include only those access lines connecting end-user customers with ILEC end-offices for switched services, (2) shall not include non-switched special access lines, (3) shall account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to 24 64 kbps-equivalents, and therefore to 24 “business lines.”
- 0.1.13 Embedded Base. Embedded Base used as a term in this Attachment is defined for TRO Affected Elements identified in Section 1.0 as those TRO Affected Elements for which CLEC had generated and SBC had accepted a valid service order requesting the provisioning of such TRO Affected Element(s) for a customer as of the date of this Attachment. For the TRO Remand Affected Elements identified in Sections 2.0 and 3.0, the Embedded Base is defined as including those customers for which CLEC had generated and SBC had accepted a valid service order requesting the provisioning of TRO Remand Affected Element(s) prior to March 11, 2005.
- 0.1.14 A “DS1 Loop”, in accordance with Rule 51.319(a)(4) is defined as a digital local loop having a total digital signal speed of 1.544 MBps per second. A DS1 Loop includes the electronics necessary to provide the DS1 transmission rate digital UNE Local Loop having a total digital signal speed of 1.544 megabytes per second. A DS1 Loop also includes all electronics, optronics and intermediate devices used to establish the transmission path to the end user customer premises as well as any inside wire owned or controlled by SBC that is part of that transmission path. DS1 Loops include, but are not limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate DSL services, including T1 services.
- 0.1.15 Fiber-Based Collocator. A fiber-based collocator is any carrier, unaffiliated with the ILEC, that maintains a collocation arrangement in an ILEC wire center, with active electrical power supply, and operates a fiber-optic cable or comparable transmission facility that (1) terminates at a collocation arrangement within the wire center; (2) leaves the ILEC wire center premises; and (3) is owned by a party other than the ILEC or any affiliate of the ILEC, except as set forth in this paragraph. Dark fiber obtained from an ILEC on an indefeasible right of use basis shall be treated as non-ILEC fiber-optic cable. Two or more affiliated fiber-based collocators in a single wire center shall collectively be counted as a single fiber-based collocator. For purposes of this definition, the term affiliate is defined by 47 U.S.C. § 153(1).
- 0.1.16 [Intentionally left blank.]
- 0.1.17 DS3 Loops are digital transmission channels suitable for the transport of isochronous bipolar serial data at a rate of 44.736 Mbps (the equivalent of 28 DS1 channels). A DS3 Loop includes the electronics necessary to provide the DS3 transmission rate having a total digital signal speed of 44.736 megabytes per second. A DS3 Loop also includes all of the electronics, optronics and intermediate devices used to establish the transmission path to the end user customer premises as well as any inside wire owned or controlled by SBC that is part of that transmission path.
- 0.1.18 Dedicated Transport is defined as set forth in Rule 51.319(e)(1).

0.1.19 [Intentionally left blank.]

0.1.20 “Commingling” means the connecting, attaching, or otherwise linking of a UNE, or a combination of UNEs, to one or more facilities or services that CLEC has obtained at wholesale from SBC, pursuant to any method other than unbundling under Section 251(c)(3) of the Act, or the combining of a UNE, or a combination of UNEs, with one or more such wholesale facilities or services. “Commingle” means the act of commingling.

0.1.21 “Commingled Arrangement” means the arrangement created by Commingling.

0.1.22 “Enhanced Extended Link” or “EEL” means a UNE combination consisting of UNE loop(s) and UNE Dedicated Transport, together with any facilities, equipment, or functions necessary to combine those UNEs (including, for example, with or without multiplexing capabilities).

0.1.23 “Rule” refers to the FCC regulations set forth in Title 47 of the U.S. Code of Federal Regulations.

1.0 TRO Affected Elements

1.1 TRO-Affected Elements. SBC shall not be required to provide the following to CLEC as unbundled network elements under Section 251 in accordance with the FCC’s Triennial Review Order, the MDU Reconsideration Order (FCC 04-191) (rel. Aug. 9, 2004) and the FCC’s Order on Reconsideration (FCC 04-248) (rel. Oct. 18, 2004), in CC Docket Nos. 01-338, 96-98 and 98-147 (TRO Affected Elements) as follows:

- (i) [Intentionally left blank]
- (ii) OCn level dedicated transport¹;
- (iii) DS1 and above Local Circuit Switching (defined as Local Switching for the purpose of serving end user customers using DS1 capacity and above Loops). To avoid any doubt, pursuant to this Attachment, SBC is no longer required to provide any ULS/UNE-P pursuant to Section 251(c)(3) except as otherwise provided for in this Attachment, e.g., the Embedded Base during the transition periods as set forth in Sections 1.0 and 2.0.
- (iv) OCn loops;
- (v) the feeder portion of the loop as a stand alone UNE under Section 251;
- (vi) packet switching, including routers and DSLAMs;
- (vii) the packetized bandwidth, features, functions, capabilities, electronics and other equipment used to transmit packetized information over Hybrid Loops, including without limitation, xDSL-capable line cards installed in digital loop carrier (“DLC”) systems or equipment used to provide passive optical networking (“PON”) capabilities, except as provided for in Section 11.2 of this Attachment;
- (viii) Fiber-To-The-Home loops and Fiber-To-The-Curb loops, except as provided for in Section 11.1.2 of this Attachment;
- (ix) SS7 signaling to the extent not provided in conjunction with unbundled local switching;
- (x) any call-related database, other than the 911 and E911 databases, to the extent not provided in conjunction with unbundled local switching; and
- (xi) line sharing, except as grandfathered as provided in the TRO.

1.2 Cessation TRO Affected Elements - New Orders. SBC is not required to provide the TRO Affected Element(s) on an unbundled basis, either alone or in combination (whether new, existing, or pre-existing) with any other element, service or functionality, to CLEC under the Agreement. Accordingly, upon the Amendment Effective Date, CLEC will cease new orders for TRO Affected Element(s).

¹ Nothing herein is meant to indicate any agreement as to whether SBC is required to provide DS-0-level dedicated transport to CLECs as an unbundled network element under Section 251, or otherwise, and the parties expressly reserve their rights regarding the same. The absence of DS-0-level dedicated transport in Section 1.1 of this Amendment shall have no bearing on this issue in any other jurisdiction.

- 1.3 In addition to those Transition Periods set forth in other sections of this Attachment, and without limiting the same, SBC and CLEC will abide by the following transitional procedures with respect to the TRO Affected Elements:
- 1.3.1 With respect to TRO Affected Elements and/or the combination of TRO Affected Elements as defined in Section 1.1 of this Attachment, SBC will notify CLEC in writing as to any TRO Affected Element previously made available to CLEC that is or has become a TRO Affected Element, as defined in Section 1.1 of this Attachment herein (“Identified Facility”). For purposes of the Agreement and this Attachment, such Identified Facilities shall be considered TRO Affected Elements.
- 1.3.2 For any TRO Affected Element that SBC provides notice, SBC shall continue to provide the Embedded Base of any such TRO Affected Element without change to CLEC on a transitional basis. At any time after CLEC receives notice from SBC pursuant to Section 1.3.1 above, but no later than the end of 90 days from the date CLEC received notice, CLEC shall, using the applicable service ordering process and interface, either request disconnection; submit a request for analogous access service; or identify and request another alternative service arrangement.
- 1.3.3 CLEC agrees to pay all non-recurring charges applicable to the transition of its Embedded Base provided the order activities necessary to facilitate such transition involve physical work (does not include the re-use of facilities in the same configuration) and involve other than a “record order” transaction including those services ordered from a Tariff. The rates, terms and conditions associated with such transactions are set forth in the Pricing Schedule and/or Tariff applicable to the service being transitioned to. To the extent that physical work is not involved in the transition and a service order is generated, the applicable service order charge will be the only applicable charge. For example, if the CLEC transitions to a special access service, only applicable order charges from the access tariff will apply. SBC will complete CLEC transition orders in accordance with the OSS guidelines in place in support of the analogous service that the CLEC is requesting the ULS/UNE-P be transitioned to with any disruption to the end user’s service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize a disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions.
- 1.4 Notwithstanding anything to the contrary in the Agreement, including any amendments to the Agreement, at the end of the ninety day transitional period, unless CLEC has submitted a disconnect/discontinuance LSR or ASR, as applicable, under subparagraph 1.1.3.2(i), above, and if CLEC and SBC have failed to reach agreement, under subparagraph 1.1.3.2(ii), above, as to a substitute service arrangement or element, then SBC will convert the subject element(s), whether alone or in combination with or as part of any other arrangement to an analogous resale or access service or arrangement, if available, at rates applicable to such analogous service or arrangement.
- 1.5 [Intentionally Left Blank.]
- 2.0 TRO Remand Affected Unbundled Local Circuit Switching and UNE-P Elements
- To avoid any doubt, pursuant to this Attachment, SBC is no longer required to provide any ULS/UNE-P pursuant to Section 251(c)(3) except as otherwise provided for in this Attachment, e.g., the Embedded Base during the transition periods as set forth in Sections 1.0 and 2.0.
- 2.1 SBC shall not be required to provide Unbundled Local Circuit Switching and UNE-P (ULS/UNE-P) Elements under Section 251(c)(3) where the ULS/UNE-P is requested or provisioned for the purpose of serving DS-0 capacity loops, except as follows:

- 2.1.1 SBC shall continue to provide access to ULS and UNE-P to CLEC for CLEC to serve its Embedded Base of customers in accordance with Rule 51.319(d)(2)(iii) as may be modified by effective orders issued by the Public Utilities Commission of Ohio, such as those decided or issued in Case No. 05-298-TP-UNC and Case No. 05-299-TP-UNC. The price for such ULS and UNE-P shall be the higher of (A) the rate at which CLEC obtained such ULS and UNE-P on June 15, 2004 plus one dollar, or (B) the rate the applicable state commission established, if any, between June 16, 2004, and March 11, 2005, for such ULS and UNE-P, plus one dollar. If the state commission established a rate for ULS or UNE-P between June 16, 2004 and March 11, 2005 that increased some rate elements and decreased other rate elements, SBC must either accept or reject all of the recently established rates of the elements that comprise a combination when establishing the transitional rate for ULS or UNE-P. CLEC shall be fully liable to SBC to pay such pricing under the Agreement effective as of March 11, 2005, including applicable terms and conditions setting forth penalties for failure to comply with payment terms, notwithstanding anything to the contrary in the Agreement, provided that bills rendered prior to the effective date of this Attachment that include such rate increases shall not be subject to late payments charges, as to such increases, if CLEC pays such increased amount within thirty (30) days after the effective date of this Attachment. The Parties acknowledge that if CLEC does not have an Embedded Base ULS/UNE- customers served through the Agreement then the terms and conditions of this Section 2.0 as to the continued provision of the Embedded Base of ULS/UNE-P shall not apply and CLEC reserves its rights as to whether the requirements of this Section 2.0 as to the continued provision of the Embedded Base of ULS or UNE-P are in accordance with Applicable Law.
- 2.1.1.1 CLEC shall be entitled to initiate feature add and/or change orders, record orders, and disconnect orders for Embedded Base customers. CLEC shall also be entitled to initiate orders for the conversion of UNE-P to a UNE line splitting arrangement to serve the same end user and UNE line splitting arrangement to UNE-P for the same end-user.
- 2.1.1.2 Feature adds and/or change orders as referenced in Section 2.1.1.1 include features that SBC has available and activated in the Local Circuit Switch.
- 2.1.1.3 In accordance with Rule 51.319(d)(4)(i), SBC shall provide a CLEC with nondiscriminatory access to signaling, call-related databases and shared transport facilities on an unbundled basis, in accordance with section 251 (c)(3) of the Act in accordance with and only to the extent permitted by the terms and conditions set forth in the Agreement.
- 2.1.2 SBC shall continue to provide access to ULS/UNE-P for CLEC to serve its Embedded Base of customers under this Section 2.1.2, in accordance with and only to the extent permitted by the terms and conditions set forth in this Attachment, for a transitional period of time, ending upon the earlier of:
- (a) CLEC's disconnection or other discontinuance [except Suspend/Restore] of use of one or more of the ULS or UNE-P;
 - (b) CLEC's transition of a ULS Element(s) or UNE-P to an alternative arrangement; or
 - (c) March 11, 2006.
- 2.1.3 In accordance with Rule 51.319(d)(2)(ii), CLECs shall migrate the Embedded Base of end-user customers off of the unbundled local circuit switching element to an alternative arrangement by March 11, 2006. CLEC and SBC agree to utilize this transition period as set forth by the FCC in Paragraph 227 of the TRRO to perform the tasks necessary to complete an orderly transition including the CLECs submission of the necessary orders to convert their Embedded Base of ULS/UNE-P customers to an alternative service.

- 2.1.3.1 To the extent CLEC intends to convert its Embedded Base of ULS/UNE-P arrangements to an alternative SBC service arrangement, CLEC shall generate the orders necessary to convert its Embedded Base of ULS/UNE-P arrangements to an alternative SBC service arrangement in accordance with the ULS/UNE-P Transition Plan established by the FCC in the TRRO unless otherwise agreed to by the Parties.
- 2.1.3.2 SBC will complete CLEC transition orders in support of the analogous service that the CLEC is requesting the ULS/UNE-P be transitioned to with any disruption to the end user's service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize any disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions
- 2.1.3.3 CLEC agrees to pay all non-recurring charges applicable to the transition of its Embedded Base provided the order activities necessary to facilitate such transition involve physical work (physical work does not include the re-use of facilities in the same configuration) and involve other than a "record order" transaction. The rates, terms and conditions associated with such transactions are set forth in the Pricing Schedule applicable to the service being transitioned to. To the extent that physical work is not involved in the transition and the applicable service order charges and/or applicable non-recurring tariff order charges, if any, as governed by this Agreement and/or Tariff from which the service being transitioned to is ordered, will be the only applicable charge.
- 2.1.3.4 To the extent there are CLEC Embedded Base ULS/ UNE-P arrangements in place at the conclusion of the twelve (12) month transition period, SBC, without further notice or liability, will re-price such arrangements to market-based rates. However, if CLEC has met all of its due dates as agreed to by the Parties, including dates renegotiated between the Parties, and SBC does not complete all of the tasks necessary to complete a requested conversion or migration, then until such time as such ULS or UNE-P remains in place it should be priced at the rates in the Pricing Schedule attached to the Agreement plus \$1.00.
- 2.1.4 Notwithstanding the foregoing provisions of Section 2.1 and unless the CLEC specifically requests or has contractually agreed otherwise, to the extent an Embedded Base ULS/UNE-P customer is migrated to a functionally equivalent alternative service arrangement prior to March 11, 2006, the ULS/UNE-P Transition Rate shall continue to apply until March 10, 2006, provided that the alternative arrangement is purchased by CLEC from SBC.
- 2.2 The provisions of this Section 2.0, apply and are operative with respect to SBC's unbundling obligations under Section 251 regardless of whether CLEC is requesting ULS/UNE-P under the Agreement or under a state tariff, if applicable, and regardless of whether the state tariff is referenced in the Agreement or not.
- 3.0 TRO Remand Affected Unbundled High-Capacity Loops and Transport
- 3.1 SBC is not required to provision the following new high-capacity loops and dedicated transport as unbundled elements under Section 251, either alone or in a Section 251 combination, except as follows:
 - 3.1.1 Dark Fiber Unbundled Loops. In accordance with Rule 51.319(a)(6)(i), SBC is not required to provide requesting telecommunications carrier with access to a dark fiber loop on an unbundled basis.

- 3.1.2 DS1 Loops. In accordance with Rule 51.319(a)(4)(i), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS1 Loops on an unbundled basis to any building not served by (a) a Wire Center with at least 60,000 business lines and (b) at least four fiber-based collocators. Once the wire center meets the requirements of Section 4.0 and the Wire Center exceeds both of these thresholds, no future DS1 Loop unbundling will be required of SBC in that Wire Center, except as otherwise set forth in this Attachment.
- 3.1.2.1 In accordance with Rule 51.319(a)(4)(ii), SBC is not obligated to provision to CLEC more than ten unbundled DS1 Loops to any single Building in which DS1 Loops are available as unbundled Loops.
- 3.1.3 DS3 Loops. In accordance with Rule 51.319(e)(2), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS3 Loops on an unbundled basis to any building not served by (a) a Wire Center with at least 38,000 business lines and (b) at least four fiber-based collocators. Once the wire center meets the requirements of Section 4.0 and the Wire Center exceeds both of these thresholds, no future DS3 Loop unbundling will be required of SBC in that Wire Center, except as otherwise set forth in this Attachment.
- 3.1.3.1 In accordance with Rule 51.319(e)(2), SBC is not obligated to provision to CLEC more than one unbundled DS3 Loop to any single Building in which DS3 Loops are available as unbundled Loops.
- 3.1.4 DS1 Unbundled Dedicated Transport. In accordance with Rule 51.319(e)(2) SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS1 Unbundled Dedicated Transport. Once the wire center meets the requirements of Section 4 and the wire centers on both ends of the transport route between wire centers are determined to be Tier 1 wire centers as defined in Section 0.1.9 of this Attachment, no future DS1 Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.
- 3.1.4.1 In accordance with Rule 51.319(3), SBC is not obligated to provision to a CLEC more than ten unbundled DS1 dedicated transport circuits on each route where DS1 dedicated transport is available on an unbundled basis.
- 3.1.5 DS3 Unbundled Dedicated Transport. In accordance with Rule 51.319(e)(2), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS3 Unbundled Dedicated Transport. Once the wire center meets the requirements of Section 4.0 and the wire centers on both ends of the transport route between wire centers are determined to be either Tier 1 or Tier 2 wire centers as defined in Sections 0.1.9 and 0.1.10 of this Attachment, no future DS3 Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.
- 3.1.5.1 In accordance with Rule 51.319(e)(2), SBC is not obligated to provision to a CLEC more than twelve unbundled DS3 dedicated transport circuits on each route where DS3 dedicated transport is available on an unbundled basis.
- 3.1.6 Dark Fiber Unbundled Dedicated Transport. In accordance with Rule 51.319(e)(2) SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to Dark Fiber Unbundled Dedicated Transport. Once the wire center meets the requirements of Section 4.0 and the wire centers on both ends of the transport route between wire centers are determined to be either Tier 1 or Tier 2 wire centers as defined in Sections 0.1.9 and 0.1.10 of this Attachment, no future Dark Fiber Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.

3.2 Transition of TRO Remand Affected Unbundled High Capacity Loops and Transport. For those DS1 and DS3 loops and DS1 and DS3 dedicated transport facilities that SBC is no longer required to unbundle under Section 251 under the terms of this Attachment as of March 11, 2005, SBC shall continue to provide CLEC's Embedded Base of such arrangements ordered by CLEC before March 11, 2005 for a 12-month period beginning on March 11, 2005 and ending on March 11, 2006. For those Dark Fiber Loops, and Dark Fiber Dedicated Transport facilities that SBC is no longer required to unbundle under Section 251 under the terms of this Attachment as of March 11, 2005, SBC shall continue to provide such arrangements for an 18-month period beginning on March 11, 2005 and ending on September 11, 2006.

3.2.1 During the transition periods defined in Section 3.2 the rates for the High-Capacity Loop and Transport Embedded Base arrangements, in accordance with Rule 51.319(a), shall be the higher of (A) the rate CLEC paid for the Affected Element(s) as of June 15, 2004 plus 15% or (B) the rate the state commission established, if any, between June 16, 2004 and March 11, 2005 for the Affected Element(s), *plus 15%* effective as of March 11, 2005. CLEC shall be fully liable to SBC to pay such pricing under the Agreement, including applicable terms and conditions setting forth penalties for failure to comply with payment terms, notwithstanding anything to the contrary in the Agreement.

3.2.2 Where SBC is no longer required to provide the Unbundled Loops and Transport as defined in Section 3.1 of this Attachment, CLEC shall generate the orders necessary to disconnect or convert the Embedded Base of High-Capacity DS1 and DS3 Loop and Transport arrangements to analogous services where available in accordance with the Unbundled Loop and Transport Transition Plan established by the FCC in the TRRO unless otherwise agreed to by the Parties.

With respect to Dark Fiber Loops and Transport, CLEC shall generate the orders necessary to disconnect such arrangements and return the facilities to SBC by the end of the transition period.

3.2.2.1 SBC will complete CLEC transition orders in accordance with the OSS guidelines in place in support of the analogous service that the CLEC is requesting the Loop or Transport arrangement be transitioned to with any disruption to the end user's service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize any disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions.

3.2.2.2 CLEC agrees to pay all non-recurring charges applicable to the transition of its Embedded Base provided the order activities necessary to facilitate such transition involve physical work and involve other than a "record order" transaction. The rates, terms and conditions associated with such transactions are set forth in the Pricing Schedule applicable to the service being transitioned to. To the extent that physical work is not involved in the transition the applicable service order charges and/or applicable non-recurring tariff order charges, if any, as governed by this Agreement and/or Tariff from which the service being transitioned to is ordered, will be the only applicable charge. SBC will not impose any untariffed termination charges, or any disconnect fees, re-connect fees or charges associated with establishing a service for the first time, where the service is already established and will remain in place, in connection with any conversion of its Embedded Base.

3.2.2.3 [Intentionally left blank.]

3.2.2.4 If CLEC has not submitted an LSR or ASR, as applicable, to SBC requesting conversion of the Affected DS1 and DS3 Loop/Transport Elements to another wholesale service, then

on March 11, 2006, SBC, at its option, shall convert such loop(s)/transport to an analogous special access arrangement at month-to-month pricing. Nothing in this Section prohibits the parties from agreeing upon another service arrangement within the requisite transition timeframe (e.g., via a separate agreement at market-based rates). If CLEC has not submitted an LSR or ASR, as applicable, to SBC requesting that the Affected Dark Fiber Loop and Transport arrangements be disconnected and returned to SBC, SBC shall disconnect such arrangements that remain in place as of September 11, 2006.

4.0 Non-Impaired Wire Center Criteria and Related Processes

- 4.1 SBC has designated and posted to CLEC Online the wire centers where it contends the thresholds for DS1 and DS3 Unbundled High-Capacity Loops as defined in Section 0.1.8 and for Tier 1 and Tier 2 Non-Impaired Wire Centers as defined in Sections 0.1.9 and 0.1.10 have been met. SBC's designations shall be treated as controlling (even if CLEC believes the list is inaccurate) for purposes of transition and ordering unless CLEC provides a self-certification as outlined below. Until CLEC provides a self-certification for High-Capacity Loops and/or Transport for such wire center designations, CLEC will not submit High Capacity Loop and/or Transport orders based on the wire center designation, and if no self-certification is provided will transition its affected High-Capacity Loops and/or Transport in accordance with the applicable transition period. If CLEC does not provide a self-certification, CLEC will transition DS1 and DS3 Loop and Transport arrangements affected by SBC's wire center designation as of the March 11, 2005 by disconnecting or transitioning to an alternate facility or arrangement, if available, by March 11, 2006 and CLEC will transition any affected Dark Fiber Transport arrangements affected by SBC's wire center designations as March 11, 2005 by disconnecting or transitioning to an alternate facility or arrangement, if available, by September 11, 2006. SBC will update the CLEC Online posted list and will advise CLECs of such posting via Accessible Letter, which term for the purposes of this Section 4.0 shall be deemed to mean an Accessible Letter issued after the effective date of this Amendment, as set forth in this Section 4.0.

If the Public Utilities Commission of Ohio has not previously determined, in any proceeding, that a wire center is properly designated as a wire center meeting the thresholds set forth in Sections 0.1.8, 0.1.9 or 0.1.10, then, prior to submitting an order for an unbundled a DS1/DS3 High-Capacity Loop, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangement, CLEC shall perform a reasonably diligent inquiry to determine that, to the best of CLEC's knowledge, whether the wire center meets the non-impairment thresholds as set forth in Sections 0.1.8, 0.1.9 or 0.1.10 of this Amendment. If, based on its reasonably diligent inquiry, the CLEC disputes the SBC wire center non-impairment designation, the CLEC will provide a self-certification to SBC identifying the wire center(s) that it is self-certifying for. In performing its inquiry, CLEC shall not be required to consider any lists of non-impaired Wire Centers compiled by SBC as creating a presumption that a Wire Center is not impaired. CLEC can send a letter to SBC claiming Self Certification or CLEC may elect to self-certify using a written or electronic notification sent to SBC. In the event that the CLEC issues a self-certification to SBC where SBC has deemed that the non-impairment threshold has been met in a specific wire center for High-Capacity Loops and/or Transport, CLEC can continue to submit and SBC must continue to accept and provision orders for the affected High Capacity Loops and/or Transport provided the CLEC is entitled to order such pursuant to the terms and conditions of the underlying Agreement, for as long as such self-certification remains in effect and valid pursuant to the dispute resolution provisions of Section 4.0. If CLEC makes such a self-certification, and CLEC is otherwise entitled to the ordered element under the Agreement, SBC shall provision the requested facilities in accordance with CLEC's order and within SBC's standard ordering interval applicable to such facilities. If SBC in error rejects CLEC orders, where CLEC has provided self certification in accordance with this Section 4.0, SBC will modify its systems to accept such orders within 5 business hours of CLEC notification to its account manager. CLEC may not submit a self-certification for a wire center after the transition period for the DS1/DS3 Loops and/or DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport impacted by the designation of the wire center has passed.

- 4.1.1 The parties recognize that wire centers that SBC had not designated as meeting the FCC's non-impairment thresholds as of March 11, 2005, may meet those thresholds in the future. In the event that a wire center that was not designated by SBC as meeting one or more of the FCC's non-impairment thresholds as of March 11, 2005 meets one or more of these thresholds at a later date, SBC may add the wire center to its list of designated wire centers and the Parties will use the following process:
- 4.1.1.1 SBC may update the wire center list as changes occur.
 - 4.1.1.2 To designate a wire center that had previously not met one or more of the FCC's impairment thresholds but subsequently does so, SBC will provide notification to CLEC via Accessible Letter and by a posting on CLEC Online.
 - 4.1.1.3 SBC will continue to accept CLEC orders for impacted DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport without requiring CLEC self-certification for 30 calendar days after the date the Accessible Letter is issued.
 - 4.1.1.4 In the event the CLEC disagrees with SBC's determination and desires not to have the applicable established DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport transitioned or disconnected as set forth in Section 4.1.1.5 below, CLEC has 60 calendar days from the issuance of the Accessible Letter to provide a self-certification to SBC.
 - 4.1.1.5 If the CLEC does not use the self-certification process described in Section 4.0 to self-certify against SBC's wire center designation within 60 calendar days of the issuance of the Accessible Letter, the parties must comply with the Applicable Transitional Period as follows: transition applicable to DS1/ DS3 High Capacity Loops is within 12 months, transition applicable to DS1/DS3 Dedicated Transport is within 12 months, and disconnection applicable to Dark Fiber Dedicated Transport is within 18 months. All Transitional Periods apply from the date of the Accessible Letter providing the wire center designation of non-impairment. For the Applicable Transitional Period, no additional notification will be required. CLEC may not obtain new DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport in wire centers and/or routes where such circuits have been declassified during the applicable transition period.
 - 4.1.1.6 If the CLEC does provide self-certification pursuant to Section 4.1.1.4 to dispute SBC's designation determination, SBC may dispute CLEC's self-certification as described in Sections 4.1.3 and 4.1.4 and SBC will accept and provision the applicable loop and transport orders for the CLEC providing the self certification during a dispute resolution process.
 - 4.1.1.7 During the applicable transition period, the rates paid will be the rates in effect at the time of the non-impairment designations plus 15%.
- 4.1.2 If the Ohio Commission has previously determined, in any proceeding, even if CLEC was not a party to that proceeding where appropriate notice has been provided to the CLEC and where CLEC has the opportunity to participate, that a wire center is properly designated as a wire center meeting the thresholds set forth in Sections 0.1.8, 0.1.9 or 0.1.10, then CLEC shall not request DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements declassified by the non-impairment status of the wire center in such wire center. If a CLEC withdraws its self-certification after a dispute has been filed with the Ohio Commission, but before the Ohio Commission has made a determination regarding the wire center designation, the

wire center designation(s) that were the subject of the dispute will be treated as though the Ohio Commission approved SBC's designations.

- 4.1.3 SBC may dispute the self-certification and associated CLEC orders for facilities pursuant to the following procedures: SBC shall notify the CLEC of its intent to dispute the CLEC's self-certification within 30 days of the CLEC's self-certification or within 30 days of the effective date of this amendment, whichever is later. SBC will file the dispute for resolution with the state Commission within 60 days of the CLEC's self-certification or within 60 days of the effective date of this Attachment, whichever is later. SBC shall include with the filing of its direct case testimony and exhibits which may reasonably be supplemented. To the extent to which this filing contains confidential information, SBC may file that information under seal. SBC shall offer to enter into a protective agreement under which SBC would provide such confidential information to CLEC. SBC shall have no obligation to provide such confidential information to any Party in the absence of an executed protective agreement. SBC will notify CLECs of the filing of such a dispute via Accessible Letter, which Accessible Letter will include the case number and directions for accessing the docket on the Public Utilities Commission of Ohio's website. If the self-certification dispute is filed with the state Commission for resolution, the Parties will not oppose requests for intervention by other CLECs if such request is related to the disputed wire center designation(s). The Public Utilities Commission of Ohio's procedural rules shall govern the self-certification dispute that is filed. The parties agree to urge the Public Utilities Commission of Ohio to adopt a case schedule resulting in the prompt resolution of the dispute. SBC's failure to file a timely challenge, i.e., 60 calendar days after the self certification or within 60 days of the effective date of this Attachment, whichever is later, to any CLEC's self certification for a given wire center shall be deemed a waiver by SBC of its rights to challenge any subsequent self certification for the affected wire center except as provided below. SBC shall promptly notify CLECs via Accessible Letter of any time where SBC has waived its ability to challenge a self-certification as to any wire center for carrier. SBC may challenge future CLEC self-certifications pertaining to the wire center if the underlying facts pertaining to the designation of non-impairment have changed, in which case the Parties will follow the provisions for updating the wire center list outlined in Section 4.1.1. During the pendency of any dispute resolution proceeding, SBC shall continue to provide the High-Capacity Loop or Transport facility in question to CLEC at the rates in the Pricing Appendix to the Agreement. If the CLEC withdraws its self-certification, or if the state Commission determines through arbitration or otherwise that CLEC was not entitled to the provisioned DS1/DS3 Loops or DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport under Section 251, the rates paid by CLEC for the affected loop or transport shall be subject to true-up as follows:

- 4.1.3.1 For the affected loop/transport element(s) installed prior to March 11, 2005, if the applicable transition period is within the initial TRRO transition period described in Section 3.2.1 of this Attachment, CLEC will provide true-up based on the FCC transitional rate i.e., the rate that is the higher of (A) the rate CLEC paid for the Affected Element(s) as of June 15, 2004 plus 15% or (B) the rate the state commission established, if any, between June 16, 2004 and March 11, 2005 for the Affected Element(s), plus 15%. The true-up will be calculated using a beginning date that is equal to the latter of March 11, 2005, or, for wire centers designated by SBC after March 11, 2005, thirty days after SBC's notice of non-impairment. The transitional rate as set forth in Section 3.2.1 of this Attachment will continue to apply until the facility has been transitioned or through the end of the applicable transition period described in Section 3.2 of this Attachment, whichever is earlier. For all other affected loop/transport elements, CLEC will provide true-up to an equivalent special access rate as of the latter of the date billing began for the provisioned element or thirty days after SBC ILEC's notice of non-impairment. If no equivalent special access rate exists, true-up will be determined using the transitional rate described in Section 3.2.1 of this Amendment.

- 4.1.4 In the event of a dispute following CLEC's Self-Certification, upon request by the Commission or CLEC, SBC will make available, subject to the appropriate state or federal protective order, and other reasonable safeguards, all documentation and all data upon which SBC intends to rely, which will include the detailed business line information for the SBC wire center or centers that are the subject of the dispute.
- 4.2 [Intentionally left blank.]
- 4.3 The provisions of Section 3.2.2 shall apply to the transition of DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements impacted by wire center designation(s). As outlined in Section 3.2.2, requested transitions of DS1/DS3 High Capacity loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements shall be performed in a manner that reasonably minimizes the disruption or degradation to CLEC's customer's service, and all applicable charges shall apply. Cross-connects provided by SBC in conjunction with such Loops and/or Transport shall be billed at applicable wholesale rates (i.e. if conversion is to an access product, they will be charged at applicable access rates). Cross-connects that are not associated with such transitioned DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements shall not be re-priced.
- 4.4 SBC will process CLEC orders for DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport, or Dark Fiber Transport conversion or disconnection consistent with the end of the applicable transitional period identified in Section 4.1.1.5. SBC will not convert or disconnect these services prior to the end of the applicable transitional period unless specifically requested by the CLEC; however, CLEC is responsible for ensuring that it submits timely orders in order to complete the transition by the end of applicable transitional period in an orderly manner.
- 4.5 A building that is served by both an impaired wire center and a non impaired wire center and that is not located in the serving area for the non-impaired wire center will continue to have Affected Elements available from the impaired wire center and support incremental moves, adds, and changes otherwise permitted by the Agreement, as amended.
- 4.6 Notwithstanding anything to the contrary in the Agreement, including any amendments to this Agreement, at the end of the Applicable Transitional Period, unless CLEC has submitted a disconnect/discontinuance LSR or ASR, as applicable, under Section 3.2.2 above, and if CLEC and SBC OHIO have failed to reach agreement under Section 3.2.2.4 above as to a substitute service arrangement or element, then SBC may, at its sole option, disconnect dark fiber element(s), whether previously provided alone or in combination with or as part of any other arrangement, or convert the subject element(s), whether alone or in combination with or as part of any other arrangement to an analogous resale or access service, if available at rates applicable to such analogous service or arrangement.
- 4.7 [Intentionally left blank.]
- 4.8 [Intentionally left blank.]
- 4.9 [Intentionally left blank.]
- 4.10 When more than 60 days from the issuance of an SBC designation of a wire center has elapsed, and if there has been no prior Commission determination of non-impairment as to the applicable wire center(s), CLEC can thereafter still self-certify, provided that it does so self-certify within 12 months (for DS1 or DS3 loops and transport) or 18 months (for dark fiber loops and transport) after the issuance of the Accessible Letter. SBC may dispute CLEC's self-certification as described in Section 4.1.3 through 4.1.4.1 and SBC will accept and provision the applicable loop and transport orders for the CLEC providing the self certification during a dispute resolution process.

5.0 Commingling and Commingled Arrangements

5.1 SBC shall permit CLEC to Commingle a UNE or a combination of UNEs with facilities or services obtained at wholesale from SBC. For the Commingled Arrangements listed in this Section 5.1, and any Commingled Arrangements voluntarily made available by SBC in the future for any of the 13 SBC ILEC states (i.e., the availability and subsequent posting to CLEC On-line was not as a result of a State Commission Order), SBC will make such Commingled Arrangements available in Ohio except where the Commingled Arrangement includes a special access service that is not being provided to any customer in Ohio. Where SBC in any of its 13 ILEC States voluntarily provides a particular Commingled Arrangement to any CLEC in response to a BFR request (i.e., not as a result of a dispute resolution involving the BFR requesting such Commingled Arrangement), SBC will make such Commingled Arrangement available in Ohio under this Agreement, except where the Commingled Arrangement includes a special access service that is not being provided to any customer in Ohio. The types of Commingled Arrangements which SBC is required to provide as of the date on which this Agreement is effective will be posted on CLEC Online, and updated from when new commingling arrangements are made available. The following SBC Commingled Arrangements have been posted to CLEC-Online as available and fully tested on an end-to-end basis, i.e., from ordering through provisioning and billing:

- i. UNE DS-0 Loop connected to a channelized Special Access DS1 Interoffice Facility, via a special access 1/0 mux
- ii. UNE DS1 Loop connected to a channelized Special Access DS3 Interoffice Facility, via a special access 3/1 mux#
- iii. UNE DS3 Loop connected to a non-concatenated Special Access Higher Capacity Interoffice Facility (e.g., SONET Service)#
- iv. UNE DS1 Dedicated Transport connected to a channelized Special Access DS3 Loop#
- v. UNE DS3 Dedicated Transport connected to a non-concatenated Special Access Higher Capacity Loop (i.e., SONET Service)#
- vi. Special Access Loop connected to channelized UNE DS1 Dedicated Transport, via a 1/0 UNE mux
- vii. Special Access DS1 loop connected to channelized UNE DS3 Dedicated Transport, via a 3/1 UNE mux#
- viii. UNE loop to special access multiplexer
- ix. UNE DS1 Loop connected to a non-channelized Special Access DS1 Interoffice Facility or UNE DS1 Interoffice Transport connected to a Special Access DS1 Loop#
- x. UNE DS3 Loop connected to a non-channelized Special Access DS3 Interoffice Facility or a UNE DS3 Interoffice Transport Facility connected to a DS3 Special Access Loop#
- xi. UNE DS3 Dedicated Transport connected to a non-channelized Special Access DS3 Loop#
- xii. Special Access DS1 channel termination connected to non-channelized UNE DS1 Dedicated Transport#
- xiii. While not a commingling arrangement, SBC will support the connection of high-capacity loops to a special access multiplexer.

Indicates that FCC's eligibility criteria of Rule 51.318(b) applies, including the collocation requirement.

5.1.1 To the extent that SBC requires the CLEC to submit orders for the commingling arrangements included in 5.1 (i) through (xii) manually, the mechanized service order charge shall be applicable.

5.1.2 For any commingling arrangement the CLEC desires that is not included in Section 5.1 of this Attachment, or subsequently established by SBC, CLEC shall request any such desired commingling arrangement and SBC shall respond pursuant to the Bona Fide Request Process (BFR) as outlined in the underlying Agreement. Through the BFR process, once the Parties agree that the development will be undertaken to make a new commingling arrangement available SBC

will work with the CLEC to process orders for new commingling arrangements on a manual basis pending the completion of systems development.

- 5.2 Upon request and to the extent provided by applicable law and the provisions of the Amended Agreement, SBC shall permit CLEC to connect a Section 251 UNE or a combination of Section 251 UNEs with facilities or services obtained at wholesale from SBC (including access services) and/or with compatible network components or services provided by CLEC or third parties, including, without limitation, those Commingled Combinations consistent with Section 5.0 of this Attachment.
- 5.3 [Intentionally left blank.]
- 5.4 For example, without limitation of this provision, SBC will, upon request, connect loops leased or owned by CLEC to a third-party's collocation arrangement upon being presented with documentation that the CLEC has authorization from the third party to connect loops. In addition, SBC will, upon request, connect an EEL leased by CLEC to a third-party's collocation upon presentation of documentation of authorization. In addition, SBC will, upon request and documentation of authorization, connect third-party loops and EELs to CLEC collocation sites. An EEL provided hereunder may terminate to a third party's collocation arrangement that meets the requirements of Section 6.3.4 upon presentation of documentation of authorization by that third party. Subject to the other provisions hereof, Section 251 UNE loops may be accessed via cross-connection to a third party's Section 251(c)(6)'s collocation arrangement upon presentation of documentation of authorization by that third party.
- 5.5 Upon request, and to the extent required by applicable law and the applicable provisions of this Attachment, SBC shall perform the functions necessary to Commingle a Section 251 UNE or a combination of Section 251 UNEs with one or more facilities or services that CLEC has obtained at wholesale from SBC (as well as requests where CLEC also wants SBC to complete the actual Commingling), except that SBC shall have no obligation to perform the functions necessary to Commingle (or to complete the actual Commingling) if (i) it is not technically feasible; or (ii) it would undermine the ability of other Telecommunications Carriers to obtain access to UNEs or to Interconnect with SBC's network. Subject to the terms and conditions of the Agreement and this Attachment, CLEC may connect, combine, or otherwise attach UNEs and combinations of UNEs to wholesale services obtained from SBC, and SBC shall not deny access to Section 251 UNEs and combinations of Section 251 UNEs on the grounds that such facilities or services are somehow connected, combined or otherwise attached to wholesale services obtained from SBC.
- 5.6 SBC shall only charge CLEC the recurring and non-recurring charges in commingling service order processes where physical work is required to create the commingled arrangement as set forth in the Pricing Schedule attached to this Agreement applicable to the Section 251 UNE(s), facilities or services that CLEC has obtained at wholesale from SBC. Where there is no physical work and a record order type is necessary to create the commingled arrangement, only such record order charge shall apply. Notwithstanding any other provision of the Agreement or any SBC tariff, the recurring and non-recurring charges applicable to each portion of a Commingled facility or service shall not exceed the rate for the portion if it were purchased separately unless otherwise agreed to by the Parties pursuant to the BFR process.
- 5.7 When CLEC purchases Commingled Arrangements from SBC, SBC shall charge CLEC element-by-element and service-by-service rates. SBC shall not be required to, and shall not, provide "ratcheting" as a result of Commingling or a Commingled Arrangement, as that term is used in the FCC's Triennial Review Order. As a general matter, "Ratcheting" is a pricing mechanism that involves billing a single circuit at multiple rates to develop a single, blended rate.
- 5.8 [Intentionally left blank.]
- 5.9 SBC agrees that CLEC may request to Commingle the following elements to the extent that SBC is required to provide them pursuant to Section 271 of the Act ("271 Elements") or Applicable Law: (i) Local Loop

transmission from the central office to the End Users' premises (unbundled from local switching or other services), and (ii) Local transport from the trunk side of a wireline Local Exchange Carrier switch (unbundled from switching or other services).

- 5.10 Unless expressly prohibited by the terms of this Attachment, SBC shall permit CLEC to connect an unbundled Network Element or a Combination of unbundled Network Elements with wholesale (i) services obtained from SBC, (ii) services obtained from third parties or (ii) facilities provided by CLEC. For purposes of example only, CLEC may Commingle unbundled Network Elements or Combinations of unbundled Network Elements with other services and facilities including, but not limited to, switched and special access services, or services purchased under resale arrangements with SBC.

6.0 EELs

- 6.1 SBC agrees to make available to CLEC Enhanced Extended Links (EELs) on the terms and conditions set forth below. SBC shall not impose any additional conditions or limitations upon obtaining access to EELs or to any other UNE combinations, other than those set out in this Agreement. Except as provided below in this Section 6.0 and subject to this Section 6.1, SBC shall provide access to Section 251 UNEs and combinations of Section 251 UNEs without regard to whether CLEC seeks access to the UNEs to establish a new circuit or to convert an existing circuit from a service to UNEs provided the rates, terms and conditions under which such Section 251 UNEs are to be provided are included within the CLEC's underlying Agreement.

- 6.2 An EEL that consists of a combination of voice grade to DS-0 level UNE local loops combined with a UNE DS1 or DS3 Dedicated Transport (a "Low-Capacity EEL") shall not be required to satisfy the Eligibility Requirements set out in this Sections 6.2 and 6.3. If an EEL is made up of a combination that includes one or more of the following described combinations (the "High-Cap EELs"), each circuit to be provided to each customer is required to terminate in a collocation arrangement that meets the requirements of Section 6.3.4 below (e.g., the end of the UNE dedicated transport that is opposite the end connected to the UNE loop must be accessed by CLEC at such a collocation arrangement via a cross-connect unless the EEL is commingled with a wholesale service in which case the wholesale service must terminate at the collocation). A High-Cap EEL is either:

- (A) an unbundled DS1 loop in combination, or commingled, with a dedicated DS1 transport or dedicated DS3 or higher transport facility or service, or to an unbundled DS3 loop in combination, or commingled, with a dedicated DS3 or higher transport facility or service; or
- (B) an unbundled dedicated DS1 transport facility in combination, or Commingled, with an unbundled DS1 loop or a DS1 channel termination service, or to an unbundled dedicated DS3 transport facility in combination, or Commingled, with an unbundled DS1 loop or a DS1 channel termination service, or to an unbundled DS3 loop or a DS3 or higher channel termination service.

- 6.3 SBC shall make Low Capacity EELs available to CLEC without restriction, except as otherwise provided in the Agreement or this Attachment. SBC shall provide access to the High-Cap EELS (Sections 6.2(A) and 6.2(B)) only when CLEC satisfies the following service eligibility criteria:

- 6.3.1. CLEC (directly and not via an affiliate) has received state certification (or equivalent regulatory approval, as applicable) from the Commission to provide local voice service in the area being served. By issuing an order for an EEL, CLEC certifies that it has the necessary processes and procedures in place to certify that such it will meet the EELs Mandatory Eligibility Criteria for each such order it submits. SBC hereby acknowledges that CLEC has received sufficient state certifications to satisfy these criteria.

6.3.1.1 At CLEC's option, CLEC may also or alternatively provide self certification via email or letter to SBC. Provided that SBC has received such self certification from CLEC, SBC shall not deny CLEC access to High-Capacity EELs. Anything to the contrary in this Section notwithstanding, CLEC shall not be required to provide certification to obtain access to lower capacity EELs, other Combinations or individual unbundled Network Elements.

6.3.1.1.1 This alternative method of certification-by-order applies only to certifications of eligibility criteria set forth in this Section 6, and not to self-certifications relative to routes, buildings and wire centers.

6.3.2 The following criteria must be satisfied for each High-Cap EEL, including without limitation each DS1 circuit, each DS3 circuit, each DS1 EEL and each DS1 equivalent circuit on a DS3 EEL in accordance with Rule 51.318(b)(2):

- (i) Each circuit to be provided to each customer will be assigned a local number prior to the provision of service over that circuit. Each DS1 circuit to be provided to each end user customer will have at least one DS-0 assigned a local telephone number (NPA-NXX-XXXX).
- (ii) Each DS1-equivalent circuit on a DS3 EEL must have its own Local telephone number assignment, so that each DS3 must have at least 28 Local voice telephone numbers assigned to it;
- (iii) Each DS1 equivalent circuit to be provided to each customer will have designed 911 or E911 capability prior to the provision of service over that circuit.
- (iv) Each DS1 circuit to be provided to each customer will terminate in a collocation arrangement meeting the requirements of Section 6.3.4, of this Attachment;
- (v) Each DS1 circuit to be provided to each end user customer will be served by an interconnection trunk that meets the requirements of Section 6.3.5 of this Attachment;
- (vi) For each 24 DS1 EELs or other facilities having equivalent capacity, CLEC will have at least one active DS1 local service interconnection trunk that meets the requirements of Section 6.3.5 of this Attachment; and
- (vii) Each DS1 circuit to be provided to each customer will be served by a switch capable of switching local voice traffic.

6.3.3 The criteria set forth in this Section 6.0 shall apply in any arrangement that includes more than one of the UNEs, facilities, or services set forth in Section 6.2, including, without limitation, to any arrangement where one or more UNEs, facilities, or services not set forth in Section 6.2 is also included or otherwise used in that arrangement (whether as part of a UNE combination, Commingled Arrangement, or a Special Access to UNE Conversion), and irrespective of the placement or sequence of them.

6.3.4 Pursuant to the collocation terms and conditions in the underlying Agreement, a collocation arrangement meets the requirements of Section 6.0 of this Attachment if it is:

- (A) Established pursuant to Section 251(c)(6) of the Act and located at SBC's premises within the same LATA as the customer's premises, when SBC is not the collocater; or
- (B) Established pursuant to any collocation type defined in any SBC Tariff to the extent applicable, or any applicable CLEC interconnection agreement.
- (C) Located at a third party's premises within the same LATA as the customer's premises, when the incumbent LEC is the collocater.

- 6.3.5 Pursuant to the network interconnection terms and conditions in the underlying Agreement, an interconnection trunk meets the requirements of Sections 6.3.2(v) and 6.3.2(vii) of this Attachment if CLEC will transmit the calling party's Local Telephone Number in connection with calls exchanged over the trunk.
- 6.3.6 [Intentionally left blank.]
- 6.3.7 Before (1) converting a High-Cap wholesale service to a High-Cap EEL, (2) ordering a new High-Cap EEL Arrangement, or (3) ordering a High-Cap EEL that is comprised of commingled wholesale services and UNEs, CLEC must certify to all of the requirements set out in Section 6.3 for each circuit. To the extent the service eligibility criteria for High Capacity EELs apply, CLEC shall be permitted to self-certify its compliance with the eligibility criteria by providing SBC written notification. Upon CLEC's self-certification of compliance, in accordance with this Attachment, SBC shall provide the requested EEL and shall not exercise self help to deny the provisioning of the requested EEL.
- 6.3.8 SBC may audit CLEC's compliance with service eligibility criteria by obtaining and paying for an independent auditor to audit, on no more frequently than an annual basis, CLEC's compliance in Ohio with the conditions set out in Section 6. Such an audit will be initiated only to the extent reasonably necessary to determine CLEC's compliance with the service eligibility criteria. For purposes of calculating and applying an "annual basis", "annual basis" shall mean a consecutive 12-month period, beginning upon SBC's written notice that an audit will be performed for Ohio, subject to Section 6.3.8.4 of this Section.
- 6.3.8.1 To invoke its limited right to audit, SBC will send a Notice of Audit to CLEC, identifying examples of particular circuits for which SBC alleges non-compliance and the cause upon which SBC rests its audit. The Notice of Audit shall also include all supporting documentation upon which SBC establishes the cause that forms the basis of its belief that CLEC is non-compliant. Such Notice of Audit will be delivered to CLEC with supporting documentation no less than thirty (30) calendar days prior to the date upon which SBC seek to commence an audit.
- 6.3.8.2 Unless otherwise agreed by the Parties (including at the time of the audit), the independent auditor shall perform its evaluation in accordance with the standards established by the American Institute for Certified Public Accountants (AICPA), which will require the auditor to perform an "examination engagement" and issue an opinion that includes the auditor's determination regarding CLEC's compliance with the qualifying service eligibility criteria. The independent auditor's report will conclude whether CLEC complied in all material respects with this Section 6.
- 6.3.8.3 Consistent with standard auditing practices, such audits require compliance testing designed by the independent auditor, which typically include an examination of a sample selected in accordance with the independent auditor's judgment.
- 6.3.8.4 SBC shall provide CLEC with a copy of the report within 2 business days from the date of receipt. If the auditor's report concludes that CLEC failed to comply in all material respects with the eligibility criteria, CLEC must true-up any difference in payments paid to SBC and the rates and charges CLEC would have owed SBC beginning from the date that the noncompliant circuit was established as a UNE/UNE combination (unless there is clear evidence in the auditor's report that the noncompliance occurred after the date the circuit was established, in which case true-up shall apply from such date of noncompliance), in whole or in part (notwithstanding any other provision hereof), but no earlier than the date on which this Attachment is effective. CLEC shall submit orders to

SBC to either convert all noncompliant circuits to the equivalent or substantially similar wholesale service or disconnect noncompliant circuits. Conversion and/or disconnect orders shall be submitted within 30 days of the date on which CLEC receives a copy of the auditor's report and CLEC shall begin paying the trued-up and correct rates and charges for each converted circuit beginning with the next billing cycle following SBC's acceptance of such order, unless CLEC disputes the auditor's finding and initiates a proceeding at the Ohio Commission for resolution of the dispute, in which case no changes shall be made until the Commission rules on the dispute. However CLEC shall pay the disputed amount into an escrow account, pending resolution. With respect to any noncompliant circuit for which CLEC fails to submit a conversion or disconnect order or dispute the auditor's finding within such 30-day time period, SBC may initiate and effect such a conversion on its own without any further consent by CLEC. If converted, CLEC must convert the UNE or UNE combination, or Commingled Arrangement, to an equivalent or substantially similar wholesale service, or group of wholesale services. Reasonable steps will be taken to avoid disruption to CLEC's customer's service or degradation in service quality in the case of conversion. Following conversion, CLEC shall make the correct payments on a going-forward basis in addition to paying trued-up and correct rates and charges, as provided by this section. In no event shall rates set under Section 252(d)(1) apply for the use of any UNE for any period in which CLEC does not meet the Service Eligibility Requirements conditions set forth in this Section 6 for that UNE, arrangement, or circuit, as the case may be. Furthermore, if CLEC disputes the auditor's finding and initiates a proceeding at the Ohio Commission and if the Commission upholds the auditor's finding, the disputed amounts held in escrow shall be paid to SBC and SBC shall retain any disputed amounts already paid by CLEC.

- 6.3.8.5 CLEC will take action to correct the noncompliance and, if the number of circuits found to be non-compliant is 10% or greater than the number of circuits investigated, CLEC will reimburse SBC for 100% of the cost of the independent auditor; if the number of circuits found to be non-compliant is less than 10%, CLEC will reimburse SBC in an amount that is in direct proportion to the number of circuits found to be non-compliant. CLEC will maintain the appropriate documentation to support its self-certifications. The CLEC reimbursement in this Section 6.3.8.5 is only applicable where there is an auditor finding of noncompliance and no party challenges this finding with the Commission, or if there is an auditor finding of noncompliance followed by a party filing a challenge to this with the Commission followed by the Commission affirming the auditor finding of noncompliance.
- 6.3.8.6 To the extent the auditor's report concludes that CLEC complied in all material respects with the Service Eligibility Requirements, SBC must reimburse CLEC for all of its reasonable costs associated with the audit.
- 6.3.8.7 CLEC will maintain the appropriate documentation to support its self certifications of compliance with the Eligibility Criteria pursuant to the document retention terms and conditions of the underlying Agreement. To the extent the underlying Agreement does not include document retention terms and conditions, CLEC will maintain the appropriate documentation to support its self certifications for as long as the Agreement is operative, plus a period of two years. SBC can seek such an audit for any particular circuit for the period which is the shorter of (i) the period subsequent to the last day of the period covered by the Audit which was last performed (or if no audit has been performed, the date the circuit was established) and (ii) the twenty-four (24) month period immediately preceding the date the Audited Party received notice of such requested audit, but in any event not prior to the date the circuit was established.

6.3.8.8 Any disputes between the Parties related to this audit process will be resolved in accordance with the Dispute Resolution process set forth in the General Terms and Conditions of this Agreement.

6.3.8.9 In the event the underlying Agreement does not contain a backbilling statute of limitations, backbilling pursuant to Section 6 is limited to two years prior to the date of the invoice containing the backbilling following the results of the audit.

6.4 Provisioning for EELs

6.4.1 With respect to an EEL, CLEC will be responsible for all Channel Facility Assignment (CFA). The CFA are the assignments CLEC provides to SBC from CLEC's collocation arrangement.

6.4.2 SBC will perform all maintenance functions on EELs during a mutually agreeable timeframe to test and make adjustments appropriate for maintaining the UNEs in satisfactory operating condition. No credit will be allowed for normal service disruptions involved during such testing and adjustments. Standard credit practices will apply to any service disruptions not directly associated with the testing and adjustment process.

6.4.3 EELs may utilize multiplexing capabilities. The high capacity EEL (DS1 unbundled loop combined with a DS1 or DS3 UDT; or DS3 unbundled loop combined with DS3 UDT) may be obtained by CLEC if available and if CLEC meets all services eligibility requirements set forth in this Section 6.0.

6.5 [Intentionally left blank.]

6.6 Other than the service eligibility criteria set forth in this Section, SBC shall not impose limitations, restrictions, or requirements on requests for the use of UNEs for the service a telecommunications carrier seeks to offer

7.0 Availability of HFPL for Purposes of Line Sharing

7.1 SBC shall make available to CLEC (or its proper successor or assign pursuant to the terms of the Agreement) line sharing over the HFPL in accordance with Rules 51.319(a)(1)(i)-(iv) and (b)(1).

7.2 Grandfathered and New End-Users: SBC will continue to provide access to the HFPL, where: (i) prior to October 2, 2003, CLEC began providing DSL service to a particular end-user customer and has not ceased providing DSL service to that customer ("Grandfathered End-Users"); and/or (ii) CLEC began providing xDSL service to a particular end-user customer between October 2, 2003, and December 3, 2004 ("New End-Users"). Such access to the HFPL shall be provided at the same monthly recurring rate that SBC charged prior to October 2, 2003 as set forth in Appendix Pricing of this Agreement, and shall continue for Grandfathered End-Users until CLEC's xDSL-base service to the end-user customer is disconnected for whatever reason, and as to New End-Users the earlier of: (1) CLEC's xDSL-base of service to the customer is disconnected for whatever reason; or (2) October 2, 2006. Beginning October 2, 2006, SBC shall have no obligation to continue to provide the HFPL for CLEC to provide xDSL-based service to any New End-Users that CLEC began providing xDSL-based service to over the HFPL on or after October 2, 2003 and before December 3, 2004. Rather, effective October 2, 2006, CLEC must provide xDSL-based service to any such new end-user customer(s) via a line splitting arrangement, over a stand-alone xDSL Loop purchased from SBC, or through an alternate arrangement, if any, that the Parties may negotiate. Any references to the HFPL being made available as an unbundled network element or "UNE" are hereby deleted from the underlying Agreement.

8.0 Routine Network Modifications

8.1 Routine Network Modifications – UNE Local Loops

8.1.1 SBC shall make all routine network modifications to UNE Local Loop facilities used by CLEC where the requested UNE Local Loop facility has already been constructed. SBC shall perform all routine network modifications to UNE Local Loop facilities in a nondiscriminatory fashion, without regard to whether the UNE Local Loop facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier.

8.1.2 A routine network modification is an activity that SBC regularly undertakes for its own customers. Routine network modifications include, but are not limited to, rearranging or splicing of cable; adding an equipment case; adding a doubler or repeater; adding a smart jack; installing a repeater shelf; adding a line card; deploying a new multiplexer or reconfiguring an existing multiplexer; and attaching electronic and other equipment that SBC ordinarily attaches to activate such loops for its own customers. Routine network modifications may entail activities such as accessing manholes, splicing into existing cable, deploying bucket trucks to reach aerial cable, and installing equipment casings.

8.1.3 Routine network modifications do not include the construction of an altogether new loop; installing new aerial or buried cable; securing permits or rights-of-way; or constructing and/or placing new manholes, or conduits or installing new terminals. SBC is not obligated to perform such activities.

8.1.4 [Intentionally left blank.]

8.1.5 [Intentionally left blank.]

8.1.6 SBC shall be entitled to recover the costs of routine network modifications, to the extent such costs are not otherwise recovered through the recurring or non-recurring charges in SBC's current UNE rates.

8.1.6.1 SBC has established the following interim prices to be charged to CLEC for the routine network modifications (RNM) identified below:

- i. Repeaters (per repeater)
 - a. Initial installation--\$588.24
 - b. Subsequent channels with trip--\$498.28
 - c. Subsequent channels without trip--\$414.32
- ii. Dark Fiber Transport Splicing (per splice)
 - a. Initial--\$726.65
 - b. Additional splices, same enclosure--\$185.50
 - c. Additional splices, different enclosure, same path--\$521.66

8.1.6.2 Any costs for other RNMs which SBC asserts are not otherwise recovered through SBC's recurring or non-recurring charges associated with SBC's current UNE rates shall be addressed in the following manner: The first time an RNM function is performed by SBC on behalf of a CLEC, SBC should perform all functions and take all steps necessary to provide access to the requested UNE, including RNM, in a timely manner, and should charge that CLEC and all subsequent CLECs requesting that function an interim price for such service.

8.1.6.3 The interim prices set forth or provided for in this Section 8.1.6 shall apply until SBC and CLEC agree to other rates or until the State Commission determines different rates. The interim prices set forth or provided for herein shall be subject to true-up, back to the effective date of this Amendment, upon the effectiveness of the Ohio Commission's final order in a proceeding to

determine appropriate rates for RNMs. SBC or CLEC may seek Ohio Commission review of any interim prices charged pursuant to this subsection 8.1.6.

8.2 Routine Network Modifications –UNE Dedicated Transport and Dark Fiber

- 8.2.1 SBC shall make all routine network modifications to UNE Dedicated Transport including Dark Fiber facilities used by CLEC where the requested UNE Dedicated Transport including Dark Fiber facilities have already been constructed. SBC shall perform all routine network modifications to UNE Dedicated Transport including Dark Fiber facilities in a nondiscriminatory fashion, without regard to whether the UNE Dedicated Transport including Dark Fiber facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier.
- 8.2.2 A routine network modification is an activity that SBC regularly undertakes for its own customers. Routine network modifications include, but are not limited to, rearranging or splicing of cable, adding an equipment case, adding a doubler or repeater, adding a smart jack, installing a repeater shelf, adding a line card and deploying a new multiplexer or reconfiguring an existing multiplexer. Routine network modifications may entail activities such as accessing manholes, deploying bucket trucks to reach aerial cable and installing equipment casings. Routine network modifications do not include the installation of new aerial or buried cable for a requesting telecommunications carrier.
- 8.2.3 Routine network modifications do not include the construction of new UNE Dedicated Transport including Dark Fiber; installing new aerial or buried cable; securing permits or rights-of-way; constructing and/or placing new manholes, or conduits or installing new terminals. SBC is not obligated to perform the above stated activities for a CLEC. However, when a CLEC purchases Dark Fiber, SBC shall not be obligated to provide the optronics for the purpose of lighting the Dark Fiber.

9.0 Batch Hot Cut Process

The “Batch Hot Cut Process Offerings” are new hot cut processes developed after multi-state collaboration between SBC and interested CLECs. The Batch Hot Cut Process Offerings are available to CLECs in addition to any hot cut processes available pursuant to CLEC’s underlying interconnection agreement. The Batch Hot Cut Process Offerings are designed to provide additional hot cut options for conversions of voice service provisioned by SBC Ohio as resale, UNE-P, or Local Wholesale Complete™ to CLEC-provided analog, circuit switching. Detailed information and documentation regarding each of the Batch Hot Cut Process Offerings (including order guidelines, supported ordering scenarios, volume limitations (where applicable), and available due date intervals/cut times) is contained on SBC’s CLEC Online website (or successor website). Any future enhancements or modifications to SBC’s Batch Hot Cut Process Offerings will be made in accordance with SBC’s Change Management Process. SBC will ensure that its Batch Hot Cut Process Offerings comply with all applicable Public Utilities Commission of Ohio batch cut rulings.

9.1 General:

- 9.1.1 Enhanced Daily Process: The “Enhanced Daily Process” option is designed to support hot cuts associated with new customer acquisitions. SBC places no limitations on the number of Enhanced Daily Process orders CLEC may place per day.
- 9.1.2 Defined Batch Hot Cut Process: The “Defined Batch Hot Cut Process” is designed to support hot cuts associated with the conversion of CLEC’s embedded base customers from service provisioned using SBC-provided switching to service provisioned using CLEC-provided switching. CLEC may request up to one hundred hot cuts per day per central office using the Defined Batch

Hot Cut Process. The maximum number of Defined Batch Hot Cut Process requests that SBC must accept for a single day in a single central office for all CLECs combined is two hundred lines.

- 9.1.3 Bulk Project Offering: The “Bulk Project Offering” is designed to support large volumes of hot cuts associated with the conversion of CLEC’s embedded base customers from service provisioned using SBC-provided switching to service provisioned using CLEC-provided switching.
- 9.2 Pricing For Batch Hot Cut Process Offerings. The per line rates applicable for each available Batch Hot Cut Process Offering option are set forth on the attached Batch Hot Cut Process Offerings Pricing Schedule, which is incorporated herein by this reference. The rates contained in the Batch Hot Cut Process Offering Pricing Schedule only apply to Batch Hot Cut Process Offering hot cut requests. To the extent that the rate application and/or rate structure for the Batch Hot Cut Process Offerings conflicts with provisions contained in CLEC’s underlying interconnection agreement, the rate structure and/or rate application contained in the Batch Hot Cut Process Offering Pricing Schedule prevails for Batch Hot Cut Process Offering requests only. This Attachment does not modify the rate structure or rates applicable for any hot cuts requested using other hot cut processes supported by CLEC’s underlying interconnection Agreement.
- 10.0 Conversions
- 10.1 Conversion of Wholesale Services to UNEs
- 10.1.1 Upon request, SBC shall convert a wholesale service, or group of wholesale services, to the equivalent UNE, or combination of UNEs, that is available to CLEC under terms and conditions set forth in this Attachment, so long as the CLEC and the wholesale service, or group of wholesale services, and the UNEs, or combination of UNEs, that would result from the conversion meet the eligibility criteria that may be applicable. (By way of example only, the statutory conditions would constitute one such eligibility criterion.)
- 10.1.2 Where processes for the conversion requested pursuant to this Attachment are not already in place, SBC will develop and implement processes, subject to any associated rates, terms and conditions. The Parties will comply with any applicable Change Management guidelines. Unless otherwise agreed to in writing by the Parties, such conversion shall be completed in a manner so that the correct charge is reflected on the next billing cycle after CLEC’s request. SBC agrees that CLEC may request the conversion of such special access circuits on a “project” basis. For other types of conversions, until such time as the Parties have agreed upon processes for such conversions, SBC agrees to process CLEC’s conversion requests on a case-by-case basis and without delay.
- 10.1.2.1 For UNE conversion orders for which SBC has either a) not developed a process or b) developed a process that falls out for manual handling, SBC will charge CLEC the Electronic Service Order (Flow Thru) Record charge for processing CLEC’s orders until such process has been developed and CLEC agrees to immediately use the electronic process. Then SBC may charge service order charges and/or record change charges, as applicable.
- 10.1.2.2 Except as agreed to by the Parties or otherwise provided hereunder, SBC shall not impose any untariffed termination charges, or any disconnection fees, re-connection fees, or charges associated with converting an existing wholesale service or group of wholesale services to UNEs or combinations of UNEs. SBC may charge applicable service order charges or record change charges.
- 10.1.3 SBC will complete CLEC conversion orders in accordance with the OSS guidelines in place in support of the conversion that the CLEC is requesting with any disruption to the end user’s service

reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize any disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions

10.1.3.1 CLEC agrees to pay all non-recurring charges applicable to the conversion provided the order activities necessary to facilitate such conversion involves physical work (physical work does not include the re-use of facilities in the same configuration) and involve other than a "record order" transaction. The rates, terms and conditions associated with such transactions are set forth in the Pricing Schedule applicable to the service being transitioned to. To the extent that physical work is not involved in the conversion the applicable service order charges and/or applicable non-recurring tariff order charges, if any, as governed by this Agreement and/or Tariff from which the service being transitioned to is ordered, will be the only applicable charge. SBC will not impose any untariffed termination charges, or any disconnect fees, re-connect fees or charges associated with establishing a service for the first time, where the service is already established and will remain in place.

10.1.4 SBC shall perform any conversion from a wholesale service or group of wholesale services to a unbundled Network Element or Combination of unbundled Network Elements, in such a way so that no service interruption as a result of the conversion will be discernable to the end user customers.

10.1.5 Except as provided in 10.1.2, in requesting a conversion of an SBC service, CLEC must follow the standard guidelines and ordering requirements that are applicable to converting the particular SBC service sought to be converted.

11.0 FTTH Loops, FTTC Loops, Hybrid Loops and Retirement of Copper Loops

11.1 The following terms shall apply to FTTH and FTTC Loops.

11.1.1 New Builds. SBC shall not be required to provide nondiscriminatory access to a FTTH or FTTC Loop on an unbundled basis where SBC has deployed such a Loop to premises that previously were not served by any SBC Loop.

11.1.2 Overbuilds. SBC shall not be required to provide nondiscriminatory access to a FTTH or FTTC Loop on an unbundled basis when SBC has deployed such a Loop parallel to, or in replacement of, an existing copper Loop facility, except that:

- (a) SBC shall maintain the existing copper Loop connected to the particular customer premises after deploying the FTTH/FTTC Loop and provide nondiscriminatory access to that copper Loop on an unbundled basis unless SBC retires the copper Loop pursuant to the terms of Section 11.1.3.
- (b) If SBC maintains the existing copper Loop pursuant to this Section 11.1.2, SBC need not incur any expenses to ensure that the existing copper loop remains capable of transmitting signals. Prior to receiving a request for access by CLEC, upon receipt of a request for access pursuant to this section, SBC shall restore the copper loop to serviceable condition and will maintain the copper loop when such loop is being purchased by CLEC on an unbundled basis under the provisions of this Attachment.
- (c) For each copper loop retired pursuant to Section 11.1.3 below, SBC shall offer to provide nondiscriminatory access to a 64 kilobits per second transmission paths capable of voice grade service over the FTTH/FTTC Loop on an unbundled basis on the same rates and terms applicable under the Agreement to a DS-0 Local Loop to the same premises were such a loop

available. CLEC is entitled to request any number of 64kbps paths up to the number of copper loops or subloops previously serving the customer premises that were retired.

- 11.1.3 Prior to retiring any copper loop or copper subloop that has been replaced with a FTTH/FTTC loop, SBC must comply with the network disclosure requirements set forth in Section 251 (c) (5) of the Act and in Rules 51.325 through 51.335 and any applicable state requirements and must provide CLECs using such copper loops with a copy of such Short Term notice via an accessible letter SBC will perform, upon CLEC request, a line station transfer (“LST”) where an alternative copper or non-packetized hybrid (TDM) loop is available. In order to request an LST, CLEC must have the rates, terms and conditions for an LST in the underlying Agreement. CLEC will be billed and shall pay for such an LST at the rates set forth in the pricing Appendix. If no such rates, terms and conditions exist in the underlying Agreement, CLEC can request an LST pursuant to the rates, terms and conditions in SBC’s Generic Interconnection Agreement.
- 11.1.4 SBC shall not engineer the transmission capabilities of its network in a manner, or engage in any policy, practice, or procedure, that disrupts or degrades CLEC’s access to, or ability to tap the full capabilities of, a local loop or subloop. As such, SBC’s modification of loop plant (e.g., removing copper feeder facilities and stranding CLEC’s access to distribution subloop) shall not limit or restrict CLEC’s ability to access all of the loop features, functions and capabilities, including DSL capabilities, nor increase the price of any loop used by, or to be used by, CLEC. Furthermore, SBC will comply with Rules 51.325 through 51.335, and any applicable state requirements.

11.2 Hybrid Loops Generally.

- 11.2.1 Broadband Services. When CLEC seeks access to a Hybrid Loop for the provision of broadband services SBC shall provide CLEC with nondiscriminatory access to the time division multiplexing (TDM) features, functions, and capabilities of that Hybrid Loop, including DS1 or DS3 capacity (subject to CLEC’s self-certification in accordance with Section 4 of this Attachment), regardless of the type of DLC systems (e.g., NGDLC, UDLC, IDLC) on an unbundled basis, to establish a complete transmission path between the SBC central office and an end user customer premise. This access shall include access to all features, functions, and capabilities of the Hybrid Loop to the extent that such are not used to transmit packetized information. In instances where both TDM and packetized functionality exist on the Hybrid Loop, SBC is required to only make the TDM functionality available on an unbundled basis.
- 11.2.2 Narrowband Services. When CLEC seeks access to a Hybrid Loop for the provision to its customer of narrowband services, SBC shall either (a) provide nondiscriminatory access to a spare home-run copper Loop serving that customer on an unbundled basis, or (b) provide nondiscriminatory access, on an unbundled basis, to an entire Hybrid Loop capable of voice-grade service (i.e., equivalent to DS-0 capacity), using time division multiplexing technology at a rate no higher than the DS-0 loop rate in the Pricing Appendix.
- 11.2.3 Rates. The non-recurring and recurring rates for Hybrid Loops provided pursuant to Sections 11.2.1 and 11.2.2 shall be no higher than for a copper or fiber loop of comparable capacity as set forth in the Pricing Appendix. SBC may not impose special construction or other non-standard charges to provision such Hybrid Loops except as provided under this Agreement.
- 11.2.4 Feeder. SBC shall not be required to provide access to the Feeder portion of a Loop on an unbundled, standalone basis.

12.0 Use of Unbundled Network Elements

12.1 Except as provided in Section 6.0 of this Attachment, SBC shall not impose limitations, restrictions, or requirements on requests for, or the use of, unbundled network elements for the service CLEC seeks to offer.

12.2 CLEC may not access an unbundled network element for the exclusive provision of mobile wireless services or interexchange services.

12.3 A CLEC that accesses and uses an unbundled network element consistent with paragraph 12.2 may provide any telecommunications services over the same unbundled network elements.

13.0 [Intentionally left blank.]

14.0 Entrance Facilities and Interconnection Facilities.

14.1 Dedicated Transport facilities that do not connect a pair of incumbent LEC wire centers, including but not limited to, the transmission facilities that connect CLEC's networks with SBC's networks, are Entrance Facilities that will no longer be Unbundled Network Elements provided pursuant to 47 U.S.C. § 251(c)(3) under the Agreement. Effective immediately, CLEC shall not place orders for new Entrance Facilities as UNEs. As to existing Entrance Facility UNEs, CLEC must within 90 days of the Effective Date of this Attachment either request disconnection; submit a request for analogous access service; or identify and request another alternative service arrangement.

14.2 Notwithstanding Section 14.1, SBC is required to provide access to facilities that CLEC requests to interconnect with SBC's network for the transmission and routing of telephone exchange service and exchange access service, in accordance with the requirements of Section 251(c)(2) of the Act ("Interconnection Facilities").

BATCH HOT CUT PROCESS OFFERING—PRICING SCHEDULE

Rate Element	USOC	Rate	
<u>Enhanced Daily Rates</u>			
Enhanced Daily FDT Basic	NRFHA	\$29.82	
Enhanced Daily CHC Basic	NRFHB	\$33.78	
Enhanced Daily IDLC Basic	NRFHC	\$62.54	
<u>Defined Batch Rates</u>			
Defined FDT Basic	NRFHD	\$23.71	
Defined CHC Basic	NRFHE	\$25.04	
Defined FDT Expanded	NRFHF	\$23.84	
Defined CHC Expanded	NRFHG	\$25.12	
Defined IDLC Basic	NRFHH	\$61.02	
<u>Bulk Batch Rates</u>			
Bulk FDT Basic	NRFHJ	\$23.69	
Bulk CHC Basic	NRFHK	\$25.03	
Bulk FDT Expanded	NRFHL	\$23.81	
Bulk CHC Expanded	NRFHM	\$25.11	
Bulk FDT Premium	NRFHN	\$26.09	
Bulk CHC Premium	NRFHO	\$27.70	
Bulk IDLC Basic	NRFHP	\$61.01	

RETAIL TARIFF AMENDMENT
TO
INTERCONNECTION AGREEMENT UNDER SECTION 251 AND 252 OF THE
TELECOMMUNICATIONS SECTION OF 1996
BETWEEN
THE OHIO BELL TELEPHONE COMPANY d/b/a AT&T OHIO
AND
NEUTRAL TANDEM-MICHIGAN, LLC

This is a Retail Tariff Amendment (the "Amendment") to the Interconnection Agreement, including, without limitation, all appendices and attachments thereto (the "Agreement"), by and between The Ohio Bell Telephone Company¹ d/b/a AT&T Ohio ("AT&T Ohio") and Neutral Tandem-Michigan, LLC ("CLEC") (collectively referred to as "the Parties") previously entered into by and between the Parties pursuant to Sections 251 and 252 of the Telecommunications Act of 1996 (the "Act").

WHEREAS, On August 12, 2003, the United States Court of Appeals 7th Circuit in Wisconsin Bell v. Bie concluded that an Incumbent Local Exchange Carrier (ILEC) cannot be required by a state to tariff the terms and conditions of its wholesale offerings that are required pursuant to §251 of the Telecommunications Act of 1996 (the "1996 Act"); and,

WHEREAS, in its Opinion and Order in Case No. 06-1345-TP-ORD, dated June 6, 2007, the Public Utilities Commission of Ohio held that all regulated nonresidential Tier 2 services and all regulated toll services shall no longer be included in tariffs filed with the Commission, and,

WHEREAS, on April 1, 2008, AT&T Ohio will move the rates, terms and conditions for certain of its regulated retail services (as defined by Ohio law) from the retail tariff to the AT&T Ohio Guidebook (the "Guidebook"); and,

WHEREAS, such certain regulated retail services include non-residential Tier 2 services and all message toll services (residential and non-residential) and more specifically exclude:

- Primary business local exchange service access line and local usage
- Number Only Caller ID
- 2nd and 3rd business local exchange service access lines and usage in non-competitive exchanges
- Call Trace in non-competitive exchanges
- Call Waiting in non-competitive exchanges
- N-1-1 Service in non-competitive exchanges
- Non-Pub Service in non-competitive exchanges
- Payphone Access Lines in non-competitive exchanges
- Per Line Call Blocking in non-competitive exchanges
- Switched and Special Access services; and,

WHEREAS, the Parties desire to amend their current Agreement to reflect the above-referenced changes.

NOW, THEREFORE, in consideration of the foregoing, and the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. INTRODUCTION

1.1 The Recitals hereon are incorporated into this Amendment.

¹ The Ohio Bell Telephone Company (previously referred to as "Ohio Bell" or "SBC Ohio") now operates under the name "AT&T Ohio."

1.2 Unless otherwise defined herein, capitalized terms shall have the meanings assigned to such terms in the Agreement.

1.3 To the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreement), the provisions of this Amendment shall control and apply but only to the extent of such conflict or inconsistency.

2. AMENDMENT TO THE AGREEMENT

2.1 On and after the Amendment Effective Date (as defined in Section 3 of this Amendment), the Agreement is hereby amended by referencing and incorporating the following:

2.1.1 All references in the Agreement, if any, to the retail tariff, or the like, shall be deemed to include the AT&T Ohio Guidebook (including, without limitation, its rates, terms and conditions). AT&T Ohio will post the Guidebook to an AT&T website at att.com/guidebook on or about March 1, 2008 and it will become effective on April 1, 2008.

2.1.2 Any changes to the rates, terms and conditions of the Guidebook will be automatically incorporated herein effective on the date any such change is made or otherwise effective as stated in the Guidebook.

3. AMENDMENT EFFECTIVE DATE

3.1 Based on the Public Utilities Commission of Ohio rules, the Amendment is effective upon filing ("Amendment Effective Date") and is deemed approved by operation of law on the 91st day after filing.

4. TERM OF AMENDMENT

4.1 EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED. This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreement; provided, however, this Amendment, in whole or in part, may terminate or expire earlier pursuant to other provisions of this Amendment, including Section 6. This Amendment does not extend the term of the Agreement.

5. RESERVATIONS OF RIGHTS

5.1 In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

6. MISCELLANEOUS

- 6.1 On and from the Amendment Effective Date, reference to the Agreement in any notices, requests, orders, certificates and other documents shall be deemed to include this Amendment, whether or not reference is made to this Amendment, unless the context shall be otherwise specifically noted.
- 6.2 This Amendment constitutes the entire amendment of the Agreement concerning the subject matter hereof and supersedes all previous proposals, both verbal and written.
- 6.3 The Parties acknowledge that in no event shall any provision of this Amendment apply prior to the "Amendment Effective Date".

Neutral Tandem-Michigan, LLC

By: David TatakPrinted: DAVID TATAKTitle: VP BILLING & REVENUE SVCS

(Print or Type)

Date: 3/14/08The Ohio Bell Telephone Company d/b/a AT&T Ohio
by AT&T Operations, Inc., its authorized agentBy: Eddie A. Reed, Jr.Printed: Eddie A. Reed, Jr.Title: Director - Interconnection Agreements

(Print or Type)

Date: 3.21.08

Resale OCN

UNE OCN

Switch Based OCN 464CACNA OVS

AMENDMENT TO
INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996
BETWEEN
THE OHIO BELL TELEPHONE COMPANY d/b/a AT&T OHIO
AND
NEUTRAL TANDEM-MICHIGAN, LLC

The Interconnection Agreement dated June 15, 2004 by and between The Ohio Bell Telephone Company d/b/a AT&T Ohio ("AT&T Ohio")¹ and Neutral Tandem-Michigan, LLC ("Neutral Tandem") ("Agreement") effective in the State of Ohio is hereby amended as follows:

1. Section 21.1 Effective Date, Term, and Termination of Section 21.0 Term and Termination of Article XXI Term and Termination is amended by adding the following section:
 - 21.1.2.1 Notwithstanding anything to the contrary in this Section 21.1, the original expiration date of this Agreement, as modified by this Amendment, will be extended for a period of three (3) years commencing January 11, 2008 until January 11, 2011 (the "Extended Expiration Date"). The Agreement shall expire on the Extended Expiration Date; provided, however, that during the period from the effective date of this Amendment until the Extended Expiration Date, the Agreement may be terminated earlier either by written notice from Neutral Tandem, by AT&T Ohio pursuant to the Agreement's early termination provisions, by mutual agreement of the parties, or upon the effective date of a written and signed superseding agreement between the parties.
2. The Parties acknowledge and agree that AT&T Ohio shall permit the extension of this Agreement, subject to amendment to reflect future changes of law as and when they may arise.
3. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
4. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
5. Based on the practice of the Public Utilities Commission of Ohio rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing.

¹ The Ohio Bell Telephone Company (previously referred to as "Ohio Bell" or "SBC Ohio") now operates under the name "AT&T Ohio."

Neutral Tandem-Michigan, LLC

By: David TatakName: DAVID TATAK
(Print or Type)Title: VP BILLING & REVENUE SVCS.
(Print or Type)Date: 3/14/08The Ohio Bell Telephone Company d/b/a AT&T Ohio by
AT&T Operations, Inc., its authorized agentBy: Eddie A. Reed, Jr.Name: Eddie A. Reed, Jr.
(Print or Type)

Title: Director – Interconnection Agreements

Date: 3.31.08SWITCH-BASED OCN # 464C

UNE OCN # _____

RESALE OCN # _____

ACNA OWS

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESAL, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND



NEUTRAL TANDEM-ALABAMA, LLC; NEUTRAL TANDEM-LOUISIANA, LLC; NEUTRAL TANDEM-MISSISSIPPI, LLC; NEUTRAL TANDEM-NORTH CAROLINA, LLC; NEUTRAL TANDEM-SOUTH CAROLINA, LLC; NEUTRAL TANDEM-TENNESSEE, LLC; NEUTRAL TANDEM-FLORIDA, LLC; NEUTRAL TANDEM-GEORGIA, LLC; NEUTRAL TANDEM-KENTUCKY, LLC; NEUTRAL TANDEM-ILLINOIS, LLC; NEUTRAL TANDEM-ARKANSAS, LLC; NEUTRAL TANDEM-KANSAS, LLC; NEUTRAL TANDEM-OKLAHOMA, LLC; NEUTRAL TANDEM-INDIANA, LLC; NEUTRAL TANDEM-MISSOURI, LLC; NEUTRAL TANDEM-NEVADA, LLC; NEUTRAL TANDEM-MICHIGAN, LLC; NEUTRAL TANDEM-CALIFORNIA, LLC; NEUTRAL TANDEM-TEXAS, LLC

Signature: eSigned - John SchoderName: eSigned - John Schoder
(Print or Type)Title: CMO
(Print or Type)Date: 22 Oct 2016

Neutral Tandem-Alabama, LLC; Neutral Tandem-Louisiana, LLC; Neutral Tandem-Mississippi, LLC; Neutral Tandem-North Carolina, LLC; Neutral Tandem-South Carolina, LLC; Neutral Tandem-Tennessee, LLC; Neutral Tandem-Florida, LLC; Neutral Tandem-Georgia, LLC; Neutral Tandem-Kentucky, LLC; Neutral Tandem-Illinois, LLC; Neutral Tandem-Arkansas, LLC; Neutral Tandem-Kansas, LLC; Neutral Tandem-Oklahoma, LLC; Neutral Tandem-Indiana, LLC; Neutral Tandem-Missouri, LLC; Neutral Tandem-Nevada, LLC; Neutral Tandem-Michigan, LLC; Neutral Tandem-California, LLC; Neutral Tandem-Texas, LLC

Signature: eSigned - William A. BockelmanName: eSigned - William A. Bockelman
(Print or Type)Title: Director
(Print or Type)Date: 25 Oct 2016

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	CLEC OCN
ALABAMA	604E
ARKANSAS	348F
CALIFORNIA	649C
FLORIDA	937C
GEORGIA	067D
ILLINOIS	505B
INDIANA	097D
KANSAS	205F
KENTUCKY	896E
LOUISIANA	749E
MICHIGAN	543C
MISSISSIPPI	719E
MISSOURI	093F
NEVADA	029F

NORTH CAROLINA	638E
OHIO	464C
OKLAHOMA	409F
SOUTH CAROLINA	548E
TENNESSEE	525E
TEXAS	903C
WISCONSIN	225C

Description	ACNA Code(s)
ACNA(s)	OWS

AMENDMENT TO THE AGREEMENT BETWEEN

NEUTRAL TANDEM-ALABAMA, LLC; NEUTRAL TANDEM-ARKANSAS, LLC NEUTRAL TANDEM-CALIFORNIA, LLC; NEUTRAL TANDEM-FLORIDA, LLC; NEUTRAL TANDEM-GEORGIA, LLC
NEUTRAL TANDEM-ILLINOIS, LLC; NEUTRAL TANDEM-INDIANA, LLC; NEUTRAL TANDEM-KANSAS, LLC; NEUTRAL TANDEM-KENTUCKY, LLC; NEUTRAL TANDEM-LOUISIANA, LLC;
NEUTRAL TANDEM-MICHIGAN, LLC; NEUTRAL TANDEM-MISSOURI, LLC; NEUTRAL TANDEM-MISSISSIPPI, LLC; NEUTRAL TANDEM-NORTH CAROLINA, LLC; NEUTRAL TANDEM-NEVADA, LLC;
NEUTRAL TANDEM-OKLAHOMA, LLC; NEUTRAL TANDEM-SOUTH CAROLINA, LLC;
NEUTRAL TANDEM-TENNESSEE, LLC; NEUTRAL TANDEM-TEXAS, LLC

AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit A.

WHEREAS, AT&T and CLEC are Parties to the Agreement(s) as shown in the attached Exhibit A.

WHEREAS, CLEC will be providing interconnection to the PSTN on behalf of one or more interconnected VoIP providers ("IVP") in connection with the 2015 VoIP Number Access Order approved by the FCC in WC Docket No. 13-97; Numbering Policies for Modern Communications. As such, CLEC will be delivering traffic to and receiving traffic from AT&T on behalf of one or more IVPs; and

WHEREAS, the Parties wish to amend the Agreement, pursuant to Sections 251 and 252 of the Act, to include certain provisions relating to WC Docket No. 13-97 approved by the FCC; and

WHEREAS, the Parties desire to amend the Agreement to implement the Lifeline and Link Up Reform and Modernization et al., WC Docket No. 11-42 et al., Second Report and Order, FCC 15-71, Released June 22, 2015 ("FCC Lifeline Order"); and

WHEREAS, the Parties desire to amend the Agreement to implement to the Connect America Fund et al., WC Docket No. 10-90 et al, Report and Order issued by the Federal Communications Commission ("FCC") on November 18, 2011 (FCC 11-161), and as amended by the FCC on December 23, 2011 (FCC 11-189) ("FCC ICC Reform Order"); and

WHEREAS, the Parties desire to amend the Agreement to implement the Petition of USTelecom for Forbearance Pursuant to 47 U.S.C. § 160(c) from Enforcement of Obsolete ILEC Legacy Regulations That Inhibit Deployment of Next-Generation Networks, WC Docket No. 14-192, Released December 28, 2015 ("FCC US Telecom Forbearance Order"); and

WHEREAS, the Parties desire to, modify certain provisions related to Termination of Agreement After Initial Term Expiration and to modify certain provisions related to Customer Information Services.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, and Exhibit A, Exhibit B, and Exhibit C Pricing Sheets immediately following, all of which are hereby incorporated within this Amendment by this reference and constitute a part of this Amendment.
2. "Interconnected VoIP Provider" or "IVP" as used in this Agreement is the entity set forth in the Preamble and that provides interconnected VoIP service as that term is defined in 47 U.S.C. § 9.3 and for the purposes of this Agreement, refers to a specific Interconnected VoIP Provider that is a Party to this Agreement.
3. AT&T and CLEC will interconnect, exchange traffic and maintain compensation for traffic originated by or destined for an IVP as if it were traffic to or from CLEC's end users as provided for in the Agreement.
4. AT&T-21STATE shall route such IVP traffic destined for CLEC's directly connected end office as defined in the LERG, and CLEC shall be responsible, including financially, for any such traffic. AT&T-21STATE shall not be responsible for any misuse of CLEC's codes by IVP in the LERG.
5. By agreeing to exchange traffic pursuant to this Agreement, neither Party waives and each Party expressly reserves its respective advocacy positions regarding the appropriate means of interconnection, traffic exchange and intercarrier compensation for traffic exchanged between the Parties.
6. **Lifeline and Link Up Services**
 - 6.1 Delete the rates, terms and conditions related to Lifeline and Link Up service offerings from the Agreement. Lifeline and Link Up service will no longer be available under the Agreement beginning 180 days after Federal Register publication of the Office of Management and Budget's (OMB) approval.
7. **Inter-carrier Compensation**
 - 7.1 The Parties hereby implement the intercarrier compensation rates reflected in the Pricing Sheet attached hereto as Exhibit C, for the termination of all Section 251(b)(5) Traffic exchanged between the Parties in the applicable state(s). The intercarrier compensation rates included in Exhibit C hereby supersede the existing rate elements included in the Agreement for purposes of reciprocal compensation.
8. **Forbearance**
 - 8.1 Delete the rates, terms and conditions related to the unbundling of a 64 kbps voice-grade channel to provide narrowband services over fiber where an incumbent LEC retires a copper loop it has overbuilt with a fiber-to-the-home or fiber-to-the-curb loop.
9. **Customer Information Services (CIS)**
 - 9.1 With the exception of 9.3 herein, delete all rates, terms and conditions pertaining to Customer Information Services, including but not limited to services related to Operator Services (OS), Directory Assistance (DA), Directory Assistance Listings (DAL), Inward Assistance Operator Services (INW) and White Pages (e.g., Busy Line Verification (BLV), Busy Line Verification/Interrupt (BLV/I), etc.) from the Agreement.
 - 9.2 Add Attachment 06 - Operator Services and Directory Assistance (OS/DA), attached hereto as Exhibit B; and the Operator Services and Directory Assistance (OS/DA) rates reflected in the Pricing Sheet, attached hereto as Exhibit C, to the Agreement.
 - 9.3 **Add the following provisions to the Attachment or Appendix for Resale**
 - CIS.1 For Resale service, AT&T will provide Customer Information Services to CLEC's End Users where technically feasible and/or available to AT&T retail End Users. Dialing, response, and sound quality will be provided in parity to AT&T retail End Users.
 - CIS.2 CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC's location and its End Users' service locations.
 - CIS.3 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T.

CIS.4 AT&T shall not be responsible for the manner in which utilization of Resale Services or the associated charges are allocated to End Users or others by CLEC. Applicable rates and charges for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.

CIS.5 Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.

CIS.6 If CLEC does not wish to be responsible for payment of charges for calling card, collect, or third number billed calls (Alternately Billed Traffic or "ABT") or toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is the responsibility of CLEC to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Express Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.

10. For the States of Alabama, Louisiana, North Carolina, South Carolina and Tennessee - The Parties agree to replace Section 20 from the Agreement with the following language:

20. Notices

20.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

20.1.1 delivered by electronic mail (email).

20.1.2 delivered by facsimile.

20.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

20.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 20.4 below.

20.2.2 delivered by facsimile provided CLEC has provided such information in Section 20.4 below.

20.3 Notices will be deemed given as of the earliest of:

20.3.1 the date of actual receipt.

20.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.

20.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.

20.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606

PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com
AT&T CONTACT	
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- 20.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 20. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 20.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 20. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 20.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
11. For the States of Florida, Georgia, and Kentucky - The Parties agree to replace Section 19 from the Agreement with the following language:
19. **Notices**
- 19.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- 19.1.1 delivered by electronic mail (email).
- 19.1.2 delivered by facsimile.
- 19.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- 19.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 19.4 below.
- 19.2.2 delivered by facsimile provided CLEC has provided such information in Section 19.4 below.
- 19.3 Notices will be deemed given as of the earliest of:
- 19.3.1 the date of actual receipt.

19.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.

19.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.

19.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

19.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 19. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.

19.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 19. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.

19.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

12. For the States of Illinois, Nevada, Texas and Wisconsin - The Parties agree to replace Section 17 from the Agreement with the following language:

17. Notices

17.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

- 17.1.1 delivered by electronic mail (email).
- 17.1.2 delivered by facsimile.
- 17.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- 17.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 17.4 below.
- 17.2.2 delivered by facsimile provided CLEC has provided such information in Section 17.4 below.
- 17.3 Notices will be deemed given as of the earliest of:
- 17.3.1 the date of actual receipt.
- 17.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
- 17.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 17.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com
	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- 17.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 17. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 17.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the

change and/or addition in accordance with this Section 17. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.

- 17.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

13. For the State of California - The Parties agree to replace Section 29.14 from the Agreement with the following language:

29.14 Notices

- 29.14.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

29.14.1.1 delivered by electronic mail (email).

29.14.1.2 delivered by facsimile.

- 29.14.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

29.14.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 29.14.4 below.

29.14.2.2 delivered by facsimile provided CLEC has provided such information in Section 29.14.4 below.

- 29.14.3 Notices will be deemed given as of the earliest of:

29.14.3.1 the date of actual receipt.

29.14.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.

29.14.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.

- 29.14.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792

EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- 29.14.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 29.14. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 29.14.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 29.14. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 29.14.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

14. For the States of Michigan and Ohio - The Parties agree to replace Section 30.10 from the Agreement with the following language:

30.10 Notices

- 30.10.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- 30.10.1.1 delivered by electronic mail (email).
 - 30.10.1.2 delivered by facsimile.
- 30.10.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- 30.10.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section 30.10.4 below.
 - 30.10.2.2 delivered by facsimile provided CLEC has provided such information in Section 30.10.4 below.
- 30.10.3 Notices will be deemed given as of the earliest of:
- 30.10.3.1 the date of actual receipt.
 - 30.10.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
 - 30.10.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 30.10.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Richard Monto SVP
STREET ADDRESS	1 South Wacker Drive, Suite 200
CITY, STATE, ZIP CODE	Chicago, IL 60606
PHONE NUMBER*	312-384-8090
FACSIMILE NUMBER	312-346-2376
EMAIL ADDRESS	monto@neutraltandem.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- 30.10.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 30.10. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- 30.10.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 30.10. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- 30.10.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.
15. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC's agreement.
16. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
17. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

18. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
19. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
20. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
21. For Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Michigan, Missouri, Nevada, Oklahoma, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

Exhibit A

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Neutral Tandem-Alabama, LLC	Interconnection	03/04/2008
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Neutral Tandem-Louisiana, LLC	Interconnection	05/14/2008
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Neutral Tandem-Mississippi, LLC	Interconnection	04/08/2008
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Neutral Tandem-North Carolina, LLC	Interconnection	03/27/2008
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Neutral Tandem-South Carolina, LLC	Interconnection	03/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Neutral Tandem-Tennessee, LLC	Interconnection	03/24/2008
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Neutral Tandem-Florida, LLC	Interconnection	07/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Neutral Tandem-Georgia, LLC	Interconnection	07/10/2009
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Neutral Tandem-Kentucky, LLC	Interconnection	05/29/2009

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	Neutral Tandem-Illinois, LLC	Interconnection	02/04/2004
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Neutral Tandem-Arkansas, LLC	Interconnection	07/18/2008
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Neutral Tandem-Kansas, LLC	Interconnection	09/15/2008
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Neutral Tandem-Oklahoma, LLC	Interconnection	09/12/2008
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Neutral Tandem-Indiana, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Neutral Tandem-Missouri, LLC	Interconnection	11/29/2005
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Neutral Tandem-Nevada, LLC	Interconnection	09/06/2005
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Neutral Tandem-Texas, LLC	Interconnection	10/03/2005
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Neutral Tandem-Michigan, LLC	Interconnection	07/22/2004

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Neutral Tandem-Michigan, LLC	Interconnection	11/23/2004
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Neutral Tandem-California, LLC	Interconnection	08/06/2004
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Neutral Tandem-Illinois, LLC	Interconnection	07/26/2004

ATTACHMENT – OPERATOR SERVICES AND DIRECTORY ASSISTANCE - EXHIBIT B (f/k/a CUSTOMER INFORMATION SERVICES)

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1.0 INTRODUCTION

1.1 This Attachment sets forth the rates, terms and conditions under which AT&T-21STATE shall provide Operator Services/Directory Assistance (OS/DA) and Listings.

1.2 OS/DA:

1.2.1 This Attachment sets forth the rates, terms and conditions under which the Parties shall jointly carry out OS/DA on a wholesale basis for CLEC End Users residing in AT&T-21STATE's local Exchange territory, regardless of whether CLEC is serving its End Users via:

1.2.1.1 CLEC's own physical Switches; or

1.2.1.2 Resale of AT&T-21STATE Retail OS/DA service.

1.2.2 CLEC shall be the retail OS/DA provider to its End Users, and AT&T-21STATE shall be the wholesale provider of OS/DA operations to CLEC. AT&T-21STATE shall answer CLEC's End User OS/DA calls on CLEC's behalf, as follows:

1.2.2.1 When the End User dials 0- or 0+ the telephone number, AT&T-21STATE shall provide the Operator Services described in Section 3.4 below. CLEC may set its own retail OS/DA rates, and CLEC therefore acknowledges its responsibility to obtain (a) End User agreement to the OS/DA retail rates (e.g., by tariff or contract), and (b) any necessary regulatory approvals for its OS/DA retail rates.

1.2.2.2 In response to CLEC End User inquiries about OS/DA rates, where available and technically feasible, AT&T-21STATE operators shall quote CLEC retail OS/DA rates, provided by CLEC (see Section 3.6 below). If further inquiries are made about rates, billing and/or other "business office" questions, AT&T-21STATE's OS/DA operators shall direct the calling party's inquiries to a CLEC-provided contact number (also see Section 3.6 below).

1.2.3 CLEC shall pay the applicable OS/DA rates found in the Pricing Sheet based upon CLEC's status as a Facilities-Based CLEC or a reseller. Provided however, CLEC may serve both as a reseller and as a facilities-based provider and CLEC may convert its facilities-based End Users to Resale service, or vice versa, as described below in Section 3.6.7 below.

1.2.3.1 CLEC acknowledges and understands that wholesale OS/DA rates differ between Resale and facilities-based service, and that both types of OS/DA wholesale rates are listed in the Pricing Sheet.

1.2.3.2 Billing and payment details, including the assessment of late payment charges for unpaid balances, are governed by the General Terms and Conditions in this Agreement.

1.3 Listings:

1.3.1 This Attachment sets forth terms and conditions that apply to Resale and Facility-Based CLECs for subscriber listing information provided by AT&T-21STATE.

2.0 DEFINITIONS

2.1 "Consolidated Reference Rater (CRR)" provides reference information (business office and repair numbers) and rate quotes for CLEC End Users.

2.2 "Facilities-Based CLEC" means a CLEC that provides service through its own switch or a Third Party provider's switch.

2.3 "General Assistance" means a service in which the End User dialing - 0 asks the OS operator for assistance. The operator will respond in accordance with OS methods and practices that are in effect at the time the End User makes an OS call where available and technically feasible.

- 2.4 “Listings” means information identifying the listed names of subscribers of carriers and subscribers’ telephone numbers, addresses or primary advertising classification or any combination, and that carrier or affiliate has published, caused to be published or accepted for publication in any directory format.
- 2.5 “Services” means Operator Services/Directory Assistance (OS/DA) and Listings.
- 2.6 “Toll Center Code” means the three digit access tandem code (“ATC”) that uniquely identifies a tandem switch in the Local Exchange Routing Guide (LERG) designated as providing access to operator services functions.
- 3.0 OPERATOR SERVICES (OS) / DIRECTORY ASSISTANCE (DA)
- 3.1 Dialing Parity:
- 3.1.1 AT&T-21STATE will provide OS/DA to CLEC’s End Users with no unreasonable dialing delays and at dialing parity with AT&T-21STATE retail OS/DA services.
- 3.2 Response Parity:
- 3.2.1 Where available and technically feasible, CLEC’s End Users shall be answered by AT&T-21STATE’s OS and DA platforms with the same priority and using the same methods as for AT&T-21STATE’s End Users.
- 3.2.2 Any technical difficulties in reaching the AT&T-21STATE OS/DA platform (e.g., cable cuts in the OS/DA trunks, unusual OS/DA call volumes, etc.) will be experienced at parity with AT&T-21STATE End Users served via that same AT&T-21STATE End Office Switch.
- 3.3 Requirements to Physically Interconnect:
- 3.3.1 This section describes the physical interconnection and trunking requirements for a Facilities-Based CLEC to interconnect with AT&T-21STATE’s OS/DA switches.
- 3.3.2 The demarcation point for OS/DA traffic between the Parties’ networks need not coincide with the point of interconnection for the physical interconnection of all other inter-carrier voice traffic, but at a minimum must be in the Local Access and Transport Area (LATA) in which the CLEC’s OS/DA traffic originates.
- 3.3.2.1 Because CLEC’s switch may serve End Users in more than one LATA, the Parties agree that CLEC’s OS/DA traffic originates from the physical location of the End User dialing 0, 411, or 555-1212 and not the physical location of CLEC’s switch.
- 3.3.2.2 To the extent CLEC is serving via circuit-switched wireless technology, the physical location of the End User dialing 0, 411, or 555-1212 shall be deemed the End User’s physical billing address, regardless of whether the End User may be roaming at the time of placing the OS/DA call.
- 3.3.3 The Parties will establish an OS/DA demarcation point at the AT&T-21STATE’s OS/DA switch. By mutual agreement, an alternative OS/DA demarcation point may be determined based on the following factors:
- 3.3.3.1 The size and type of facilities needed to carry CLEC’s switch-based OS/DA traffic;
- 3.3.3.2 Whether CLEC wishes to interconnect for OS or DA, or both;
- 3.3.3.3 Whether CLEC or CLEC’s Affiliate is collocated in an AT&T-21STATE local tandem office and wishes to use the collocation as the OS/DA demarcation point; and
- 3.3.3.4 Whether CLEC or CLEC’s Affiliate already has existing OS/DA facilities in place to the AT&T-21STATE’s OS/DA platforms.
- 3.3.4 CLEC shall be financially responsible for the transport facilities to the AT&T-21STATE’s switch(es). CLEC may self-provision these OS/DA facilities, lease them from Third Parties, or lease them from AT&T-21STATE’s intrastate Special Access Tariff. CLEC shall remain financially responsible for the transport facilities to the AT&T-21STATE’s switch(es) and/or any one-way trunk groups from its designated operator assistance and directory assistance (or OA/DA) switch to the AT&T-21STATE operator assistance switch until CLEC initiates and successfully disconnects such transport facilities and/or trunk groups.
- 3.3.5 General OS/DA Trunking Requirements:

- 3.3.5.1 CLEC will initiate an Access Service Request (ASR) for all OS/DA trunk groups from its switch to the appropriate AT&T-21STATE OS/DA switches as a segregated one-way trunk group utilizing Multi-Frequency (MF) signaling. Unless technically infeasible, AT&T-21STATE will provision all such one-way trunk groups in the same manner and at the same intervals as for all other interconnection trunks between the Parties.
- 3.3.5.2 CLEC will employ Exchange Access Operator Services Signaling (EAOSS) from the AT&T-21STATE End Offices to the AT&T-21STATE OS/DA switches that are equipped to accept 10-Digit Signaling for Automatic Number Identification (ANI).
- 3.3.5.3 Where EAOSS is not available, Modified Operator Services Signaling (MOSS) will be utilized, and a segregated one-way trunk group with MF signaling will be established from CLEC to each AT&T-21STATE OS/DA switch for each served Numbering Plan Area (NPA) in the LATA.
- 3.3.6 Specific OS/DA Trunk Groups and Their Requirements
 - 3.3.6.1 Operator Service Trunks:
 - 3.3.6.1.1 CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE OS switch serving OS End Users in that LATA. An OS only trunk group will be designated with the appropriate OS traffic use code and modifier. If the trunk group transports combined OS/DA/DACC over the same trunk group, then the group will be designated with a different traffic use code and modifier for combined services. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2 DA/DA Call Completion (DACC) Trunks:
 - 3.3.6.2.1 Where permitted, CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE DA switch serving DA End Users in that LATA. If the trunk group transports DA/DACC only, but not OS, then the trunk group will be designated with the appropriate DA traffic use code and modifier.
 - 3.3.6.2.2 In AT&T-12STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with a different appropriate traffic use code and modifier from that used for a DA/DACC only trunk group. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2.3 In AT&T SOUTHEAST REGION 9-STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with an appropriate traffic use code and modifier. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
- 3.4 Operator Services Call Processing and Rates:
 - 3.4.1 AT&T-21STATE will assess its OS charges based upon whether the CLEC End User is receiving (a) manual OS (i.e., provided via an operator), or (b) automated OS (i.e., an OS switch equipment voice recognition feature, functioning either fully or partially without operators where available and technically feasible). The Pricing Sheet contains the full set of OS recurring and nonrecurring rates.
 - 3.4.2 AT&T-21STATE will provide OS to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with OS methods and practices in effect at the time the CLEC End User makes an OS call.
- 3.5 Directory Assistance Call Processing and Rates:
 - 3.5.1 AT&T-21STATE DA charges are assessed on a flat rate per call, regardless of call duration. The Pricing Sheet contains the recurring and nonrecurring rates.
 - 3.5.2 AT&T-21STATE will provide DA Services to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with DA Services methods and practices that are in effect

at the time CLEC End User makes a DA call. AT&T-21STATE will provide the following DA services to a CLEC End User:

- 3.5.2.1 Local Directory Assistance - Consists of providing published name and telephone number.
- 3.5.2.2 Directory Assistance Call Completion (DACC) - A service in which a local or an intraLATA call to the requested number is completed.
- 3.5.2.3 National Directory Assistance (NDA) - A service whereby callers may request published name and telephone number outside their LATA or local calling area for any listed telephone number in the United States.
- 3.5.2.4 Reverse Directory Assistance (RDA) - Consists of providing listed local and national name and address information associated with a telephone number.
- 3.5.2.5 Business Category Search (BCS) - A service whereby callers may request business telephone number listings for a specified category of business, when the name of the business is not known. Telephone numbers may be requested for local and national businesses.

3.6 OS/DA Non-recurring Charges for Loading Automated Call Greeting (i.e., Brand Announcement), Rates and Reference Information:

- 3.6.1 CLEC End Users will hear silence upon connecting with the OS/DA switch. As an alternative to silence, CLEC may custom brand for which custom brand charges will apply.
 - 3.6.1.1 CLEC will provide announcement phrase information, via Operator Services Translations Questionnaire (OSTQ), to AT&T-21STATE in conformity with the format, length, and other requirements specified for all CLECs on the AT&T CLEC Online website.
 - 3.6.1.2 AT&T-21STATE will then perform all of the loading and testing of the announcement for each applicable OS/DA switch prior to live traffic. CLEC may also change its pre-recorded announcement at any time by providing a new announcement phrase in the same manner. CLEC will be responsible for paying subsequent loading and testing charges.
 - 3.6.1.3 CLEC understands that End Users may not perceive silent announcements as ordinary mechanical handling of OS/DA calls.
 - 3.6.1.4 CLEC agrees that if it does not brand the call, CLEC shall indemnify and hold AT&T-21STATE harmless from any regulatory violation, consumer complaint, or other sanction for failing to identify the OS/DA provider to the dialing End User.
- 3.6.2 AT&T-21STATE will be responsible for loading the CLEC provided recording into all applicable OS and/or DA switches prior to live traffic, testing the announcement for sound quality at parity with that provided to AT&T-21STATE End Users. CLEC will be responsible for paying the initial recording announcement loading charges, and thereafter, the per-call charge as well as any subsequent loading charges if new recordings or silent announcements are provided as specified above.
- 3.6.3 Branding load charges are assessed per loaded recording, per OCN, per switch. For example, a CLEC Reseller may choose to brand under a different name than its facilities-based operations, and therefore two separate recordings could be loaded into each switch, each incurring the branding or silent load charge. These charges are mandatory, nonrecurring, and are found in the Pricing Sheet.
- 3.6.4 Where Consolidated Reference Rater ("CRR") is available and technically feasible, the applicable CLEC-charged retail OS/DA rates and a CLEC-provided contact number (e.g., reference to a CLEC business office or repair center) are loaded into the system utilized by the OS operator.
- 3.6.5 Where CRR is available and technically feasible, AT&T-21STATE will be responsible for loading the CLEC-provided OS/DA retail rates and the CLEC provided contact number(s) into the OS/DA switches. CLEC will be responsible for paying the initial reference and rate loading charges.

- 3.6.6 CRR load charges are assessed per loaded set of rates/references, where CRR is available and technically feasible, per OCN, per state. For example, a CLEC reseller may choose to rate differently than its Facilities-Based CLEC operations, or may change its rates/references during the life of the contract, and therefore separate sets of rates/references could be loaded for each OCN, per state, with each loading incurring the rate/reference charge. These charges are mandatory, nonrecurring and are found in the Pricing Sheet.
- 3.6.7 Converting End Users from prior branded service to CLEC or silent-branded service, or between Resale and facilities-based service:
 - 3.6.7.1 To the extent that CLEC has already established the branding/silent announcement recording in AT&T-21STATE OS/DA switches for both Resale and facilities-based service, then no non-recurring charges apply to the conversion of End Users from prior Resale OS/DA wholesale service to facilities-based OS/DA wholesale service, or vice versa.
 - 3.6.7.2 To the extent that CLEC has not established the branding announcement recording in AT&T-21STATE OS/DA switches for Resale and/or facilities-based service, then non-recurring charges apply to set up the OS/DA call for the new type of service, as is described in Section 3.6 above, and at the rates set forth in the Pricing Sheet.

4.0 LISTINGS

4.1 General Provisions:

- 4.1.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of listings, AT&T-21STATE will make available to CLEC, for CLEC End Users, non-discriminatory access to listings, as described herein.
- 4.1.2 AT&T-21STATE will meet state requirements to make available listings through itself or a contracted vendor to provide listings for its ILEC Territory, as defined in the General Terms and Conditions of this Agreement.

4.2 Responsibilities of the Parties:

- 4.2.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE will include in appropriate white pages directories the primary alphabetical listings of CLEC End Users located within the AT&T-21STATE ILEC Territory. When CLEC provides its subscriber listing information to AT&T-21STATE listings database, CLEC will receive for its End User, one primary listing in AT&T-21STATE white pages directory and a listing in AT&T-21STATE's DA database at no charge, other than applicable service order charges as set forth in the Pricing Sheet.
 - 4.2.1.1 Except in the case of a Local Service Request (LSR) submitted solely to port a number from AT&T SOUTHEAST REGION 9-STATE, if such listing is requested on the initial LSR associated with the request for services, a single manual service order charge or electronic service order charge, as appropriate, will apply to both the request for service and the request for the directory listing. Where a subsequent LSR is placed solely to request a directory listing, or is placed to port a number and request a directory listing, separate service order charges as set forth in AT&T-21STATE's tariffs shall apply, as well as the manual service order charge or the electronic service order charge, as appropriate.
 - 4.2.1.2 Listing Information Confidentiality:
 - 4.2.1.2.1 AT&T-21STATE will afford CLEC's directory listing information the same level of confidentiality that AT&T-21STATE affords its own directory listing information.
 - 4.2.1.3 Unlisted/Non-Published End Users:
 - 4.2.1.3.1 CLEC will provide to AT&T-21STATE the names, addresses and telephone numbers of all CLEC End Users who wish to be omitted from directories. Non-listed/Non-Published listings will be subject to the rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings.

4.2.1.4 Additional Listings:

4.2.1.4.1 Where a CLEC End User requires listings in addition to the primary listing to appear in the white pages directory, AT&T-21STATE will offer such listings at rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings. CLEC shall furnish to AT&T-21STATE subscriber listing information pertaining to CLEC End Users located within the AT&T-21STATE ILEC Territory, along with such additional information as AT&T-21STATE may be required to include in the alphabetical listings of said directory. CLEC shall refer to the AT&T CLEC Online website for methods, procedures and ordering information.

4.2.2 CLEC will provide accurate subscriber listing information of its subscribers to AT&T-21STATE via a mechanized feed of the directory listing information to AT&T-21STATE's Directory Listing database. CLEC agrees to submit all listing information via a mechanized process within six (6) months of the Effective Date of this Agreement, or upon CLEC reaching a volume of two hundred (200) listing updates per day, whichever comes first. CLEC's subscriber listings will be interfiled (interspersed) in the directory among AT&T-21STATE's subscriber listing information. CLEC will submit listing information within one (1) business day of installation, disconnection or other change in service (including change of non-listed or non-published status) affecting the DA database or the directory listing of a CLEC End User. CLEC must submit all listing information intended for publication by the directory close (a/k/a last listing activity) date.

4.2.3 Distribution of Directories:

4.2.3.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, each CLEC subscriber may receive one copy per primary End User listing, as provided by CLEC, of the appropriate AT&T-21STATE white pages directory in the same manner, format and at the same time that they are delivered to AT&T-21STATE's subscribers.

4.2.4 AT&T-21STATE shall direct its publishing vendor to offer CLEC the opportunity to include in the "Information Pages", or comparable section of its white pages directories (covering the territory where CLEC is certified to provide local service), information provided by CLEC for CLEC installation, repair, customer service and billing information.

4.2.5 Use of Subscriber Listing Information:

4.2.5.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE agrees to serve as the single point of contact for all independent and Third Party directory publishers who seek to include CLEC's subscriber (i.e., End User) listing information in an area directory, and to handle the CLEC's subscriber listing information in the same manner as AT&T-21STATE's subscriber listing information. In exchange for AT&T-21STATE serving as the single point of contact and handling all subscriber listing information equally, CLEC authorizes AT&T-21STATE to include and use the CLEC subscriber listing information provided to AT&T-21STATE DA databases, and to provide CLEC subscriber listing information to directory publishers. Included in this authorization is release of CLEC listings to requesting competing carriers as required by Section 271(c)(2)(B)(vii)(II) and Section 251(b)(3) and any applicable state regulations and orders. Also included in this authorization is AT&T-21STATE's use of CLEC's subscriber listing information in AT&T-21STATE's DA, DA related products and services, and directory publishing products and services.

4.2.5.2 AT&T-21STATE further agrees not to charge CLEC for serving as the single point of contact with independent and Third Party directory publishers, no matter what number or type of requests are fielded. In exchange for the handling of CLEC's subscriber list information to directory publishers, CLEC agrees that it will receive no compensation for AT&T-21STATE's receipt of the subscriber list information or for the subsequent release of this information to directory publishers. Such CLEC subscriber list information shall be interfiled (interspersed) with AT&T-21STATE's subscriber

list information and the subscriber list information of other companies that have authorized a similar release of their subscriber list information by AT&T-21STATE.

- 4.2.6 CLEC further agrees to pay all costs incurred by AT&T-21STATE and/or its Affiliates as a result of CLEC not complying with the terms of this Attachment.
- 4.2.7 This Attachment shall not establish, be interpreted as establishing, or be used by either Party to establish or to represent their relationship as any form of agency, partnership or joint venture.
- 4.2.8 Breach of Contract:
 - 4.2.8.1 If either Party is found to have materially breached the Listings terms of this Attachment, the non-breaching Party may terminate the Listings terms of this Attachment by providing written Notice to the breaching Party, whereupon this Attachment shall be null and void with respect to any issue of white pages directory published sixty (60) or more calendar days after the date of receipt of such written Notice. CLEC further agrees to pay all costs incurred by AT&T-21STATE and/or its Affiliates and vendor as a result of such CLEC breach.
- 4.2.9 General Conditions for Listings:
 - 4.2.9.1 Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any Listings Service offerings that are provided under this Attachment on ninety (90) days' written notice in the form of an Accessible Letter.
 - 4.2.9.2 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of Listings products and/or services to CLEC End Users under this Section.

5.0 GENERAL CONDITIONS FOR OPERATOR SERVICES (OS), DIRECTORY ASSISTANCE (DA)

- 5.1 Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any OS and/or DA feature of Service(s) offerings that are provided under this Attachment on one hundred eighty (180) days' written notice in the form of an Accessible Letter.
- 5.2 Termination:
 - 5.2.1 If the CLEC terminates OS and/or DA service prior to the expiration of the term of this Agreement, CLEC shall pay AT&T-21STATE, within thirty (30) calendar days of the issuance of any bills by AT&T-21STATE, all amounts due for actual services provided under this Attachment, plus estimated monthly charges for the remainder of the term. Estimated charges will be based on an average of the actual monthly amounts billed by AT&T-21STATE pursuant to this Attachment prior to its termination. The rates applicable for determining the amount(s) under the terms outlined in this Section are those specified in the Pricing Sheet.
- 5.3 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of OS and/or DA products/services to CLEC End Users under this Attachment.

6.0 TERMINATION – ENTIRE ATTACHMENT – OPERATOR ASSISTANCE AND DIRECTORY ASSISTANCE SERVICES

- 6.1 The Parties reserve the right to suspend or terminate, without penalty, this Attachment in its entirety on one hundred eighty (180) days' written notice. The Attachment will be coterminous with the ICA or will continue until the Party desiring to terminate this Attachment provides one hundred eighty (180) days' written Notice to the other Party of the date the Attachment will terminate ("Termination Date"), whichever date is earlier.

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective through 6/30/17)				0.0007			MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000023			MILE/MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0003224			MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	AL	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	AL	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	AL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	AL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	AL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Initial Load, per listing					0.04		listing
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Update, per listing				0.04			listing
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Monthly Recurring Fee				150.00			monthly
6	AL	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	AL	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			call
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			call
6	AL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN
6	AL	DIRECTORY LISTING PRODUCT	White Page Directory Listings - Initial Listing				0.00	0.00	0.00	initial listing is no charge

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	AL	DIRECTORY LISTING PRODUCT	Non Published / Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	AL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.30%	N/A	N/A	Flat Rate Discount for Resale
6	AL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.30%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective through 6/30/17)		ZZUR2		\$ 0.0007	NA	NA	MOU
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU (Effective 7/1/2015 – 6/30/2016)		ZZUR2		\$ 0.0058000	NA	NA	MOU
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU (Effective 7/1/2016 – 6/30/2017)		ZZUR2		\$ 0.0007	NA	NA	MOU
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU (Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	AR	Transit Traffic Service	Transiting OCA - Optional Area				\$ 0.004000	NA	NA	per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 3		ZZUTN	3	\$ 0.002137	NA	NA	per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 2		ZZUTN	2	\$ 0.002152	NA	NA	per minute of use
2MR-AT	AR	Transit Traffic Service	Transit Rate per Minute of Use - Zone 1		ZZUTN	1	\$ 0.002251	NA	NA	per minute of use
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$ 0.40	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$ 0.40	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call		ZZUO5		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit		ZZUO6		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call		ZZUO8		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit		ZZUO9		\$ 0.65	NA	NA	per call
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load - per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per OCN, per switch
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - per call		ZZUCB		\$ 0.030	NA	NA	per call
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load - per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load - per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	AR	DIRECTORY LISTING PRODUCT	White Page Directory Listings					NA	NA	initial listing is no charge
6	AR	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	AR	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA	NA	per completed automated call
6	AR	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$ 0.030	NA	NA	per work second
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - Initial/Subsequent Load - per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per state per OCN
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - per call		ZZUCB		\$ 0.030	NA	NA	per call
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load - per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state per OCN
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load - per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state per OCN
6	AR	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				14.50%	NA	NA	Flat Rate Discount for Resale
6	AR	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				14.50%	NA	NA	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	CA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound Traffic and Section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective Through 6/30/17)				\$ 0.000700			MOU
2MR-AT	CA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				\$0.00			MOU
2MR-AT	CA	TRANSIT TRAFFIC SERVICE	CALL SET UP - Setup Charge Per Call	L1T++	GMC00		\$0.001130			per call
2MR-AT	CA	TRANSIT TRAFFIC SERVICE	CALL DURATION - Duration Charge per MOU	L1T++	GMD00		\$0.002770			MOU
6	CA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Rate, per call				\$ 0.40			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Express Call Completion/Directory Assistance Call Completion (DACC) - Rate per call				\$ 0.15			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Express Call Completion/Directory Assistance Call Completion (DACC) - Call Completion LATA Wide - Per MOU				\$ 0.00436			Per Call
6	CA	BRANDING - DIRECTORY ASSISTANCE	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	CA	BRANDING - DIRECTORY ASSISTANCE	Branding and Reference/Rate Look Up, per DA Call				\$ 0.03			DA call
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00	per state, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Branding and Reference/Rate Look Up, per OS Call				\$ 0.03			OS call
6	CA	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00	per state, per OCN
6	CA	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call				\$ 0.15			call
6	CA	OPERATOR CALL PROCESSING	Operator - Assisted Call Processing - All Types, per work second				\$ 0.03			work second
6	CA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	CA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	CA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				17.00%	N/A	N/A	Flat Rate Discount for Resale
6	CA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				17.00%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective through 6/30/17)				0.0007			MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000035			MILE/MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0004372			MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	FL	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	FL	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	FL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	FL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	FL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	FL	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	FL	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	FL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Unbranding via OLNS - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN
6	FL	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	FL	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	FL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.83% (Res) 16.81% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	FL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.83% (Res) 16.81% (Bus)	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective through 6/30/17)				0.0007			MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000028			MILE/MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0001955			MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	GA	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	GA	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	GA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	GA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	GA	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	GA	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state OCN						1,500.00	per state per OCN
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	GA	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	GA	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	GA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	GA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	GA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	GA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	GA	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	GA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.30% (Res) 17.30% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	GA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.30% (Res) 17.30% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	GA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	GA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	GA	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	IL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective through 6/30/17)	OHU	USG15		0.0007			MOU
2MR-AT	IL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15		\$0.00			MOU
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$0.40	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance National Directory Assistance (NDA), per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$0.15	NA		per call
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch per OCN				NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$0.03	NA		per OS/DA call
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial/Subsequent Load - per trunk group				NA	\$800.00	\$800.00	per trunk group
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$5,000.00		per state, per OCN
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA		\$1,500.00	per state, per OCN
6	IL	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$0.15	NA	NA	per call
6	IL	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$0.03	NA	NA	per work second
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for initial load				NA	\$0.04	NA	per listing
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for subsequent updates				\$0.06	NA	NA	per listing
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Directory Assistance				See IL. C.C No. 22 Tariff (Part 22)	NA		discount
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Operator Assistance Services				See IL. C.C No. 22 Tariff (Part 22)	NA		discount
6	IL	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	IL	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	IL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services					N/A	N/A	Flat Rate Discount for Resale
6	IL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service					N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	IN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
2MR-AT	IN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15		\$0.00			MOU
2MR-AT	IN	Transit Traffic Service	Tandem Switching	OHU	USG23		\$0.004388	NA	NA	per minute of use
2MR-AT	IN	Transit Traffic Service	Tandem Termination	OHU	USG20		\$0.000095	NA	NA	per minute of use
2MR-AT	IN	Transit Traffic Service	Tandem Facility - per mile	OHU	USG21		\$0.000056	NA	NA	per minute of use, per mile
6	IN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$ 0.03	NA	NA	per OS/DA call
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding per Trunk Group				NA	\$800.00		
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	NA	per state, per OCN
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	NA	\$ 1,500.00	per state, per OCN
6	IN	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	IN	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	IN	DIRECTORY LISTING PRODUCT	DA Listing - per listing for initial load				NA	\$ 0.040	NA	per listing
6	IN	DIRECTORY LISTING PRODUCT	DA Listing - per listing for subsequent updates				\$ 0.060		NA	per listing
6	IN	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	IN	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	IN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.64%	N/A	N/A	Flat Rate Discount for Resale
6	IN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.64%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$ 0.0007	NA	NA	MOU
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Optional EAS Transport and Termination per MOU (Effective through 6/30/2017)		ZZUR2		\$0.0210000	NA	NA	MOU
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Optional EAS Transport and Termination per MOU (Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	KS	Transit Traffic Service	Transit Rate (Zone 1 - Rural)		ZZUTN	1	\$0.001027	NA	NA	per minute of use
2MR-AT	KS	Transit Traffic Service	Transit Rate (Zone 2 - Suburban)		ZZUTN	2	\$0.000981	NA	NA	per minute of use
2MR-AT	KS	Transit Traffic Service	Transit Rate (Zone 3 - Metro)		ZZUTN	3	\$0.000953	NA	NA	per minute of use
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$ 0.40	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit		ZZUO4		\$ 0.40	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)		ZZUO5		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) - Credit		ZZUO6		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS)		ZZUOB		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA)		ZZUO8		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) - Credit		ZZUO9		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	KS	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	KS	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Initial Load per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	KS	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	KS	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA	NA	Per completed automated call
6	KS	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$ 0.03	NA	NA	per work second
6	KS	OPERATOR SERVICES - BRANDING	Operator Services - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
6	KS	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference Initial Load per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	KS	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	KS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	NA	NA	Flat Rate Discount for Resale
6	KS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	NA	NA	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.000003			MILE/MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0007466			MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
2MR-AT	KY	Transit Traffic Service	Local Intermediary Charge, composite, per MOU				0.002			MOU
6	KY	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	KY	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	KY	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	KY	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	KY	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	KY	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	KY	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	KY	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	KY	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	KY	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04	N/A	N/A	listing
6	KY	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	KY	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	KY	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	KY	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.79% (Res) 15.54% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	KY	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.79% (Res) 15.54% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	KY	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	KY	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	KY	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000032			MILE/MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0003748			MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	LA	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	LA	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	LA	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	LA	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	LA	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	LA	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	LA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	LA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	LA	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	LA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.72%	N/A	N/A	Flat Rate Discount for Resale
6	LA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.72%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	LA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	LA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG14		0.0007			MOU
2MR-AT	MI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG14		\$0.00			MOU
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per call	XPU	OPEN		\$ 0.03		NA	per OS/DA call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial / Subsequent Load - per trunk group					\$800.00	\$800.00	per trunk group
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Initial Load, per state, per OCN					\$ 5,000.00		per state, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN					NA	\$ 1,500.00	per state, per OCN
6	MI	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	MI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060	NA	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	MI	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.62%	N/A	N/A	Flat Rate Discount for Resale
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.62%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MO	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU		ZZUR2		NA	NA	NA	MOU
2MR-AT	MO	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$0.0007	NA	NA	MOU
2MR-AT	MO	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 1 (Urban, STL, KS)		ZZUTN		\$0.001712	NA	NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 2 (Suburban)		ZZUTN		\$0.001844	NA	NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 3 (Rural)		ZZUTN		\$0.001918	NA	NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone 4 (Urban Springfield)		ZZUTN		\$0.001679	NA	NA	MOU
2MR-AT	MO	TRANSIT TRAFFIC SERVICE	Transit Rate per Minute of Use - Zone Interzone		ZZUTN		\$0.001863	NA	NA	MOU
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$0.40	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$0.15	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call		ZZUO5		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call - credit		ZZUO6		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call		ZZUOB		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call		ZZUO8		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	MO	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	MO	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Subsequent Load per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state, per OCN
6	MO	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$0.15	NA	NA	per completed automated call
6	MO	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$0.03	NA	NA	per work second
6	MO	OPERATOR SERVICES - BRANDING	Operator Services - Branding Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	MO	OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	MO	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	Per state, per OCN
6	MO	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	Per state, per OCN
6	MO	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				19.20%	NA	NA	Flat Rate Discount for Resale
6	MO	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				19.20%	NA	NA	Flat Rate Discount for Resale
6	MO	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	MO	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000026			MILE/MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0004541			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	MS	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	MS	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	MS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	MS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	MS	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	MS	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	MS	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	MS	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	MS	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	MS	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	MS	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	MS	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	MS	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	MS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				15.75%	N/A	N/A	Flat Rate Discount for Resale
6	MS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				15.75%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	MS	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	MS	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	MS	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/1/17)				0.00bk			MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000023			MILE/MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0001676			MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
2MR-AT	NC	TRANSIT TRAFFIC SERVICE	Local Intermediary Charge, composite, per MOU				0.002			MOU
6	NC	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	NC	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	NC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	NC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	NC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	NC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	NC	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	NC	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	NC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	NC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	NC	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	NC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	NC	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	NC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.50% (Res) 17.60% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	NC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.50% (Res) 17.60% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	NC	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	NC	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	NC	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	NV	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All Traffic ISP-Bound and 251(b)(5) Traffic as per FCC 01-131 (Effective Through 6/30/17)		GOC00		\$ 0.0007			MOU
2MR-AT	NV	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All Traffic ISP-Bound and 251(b)(5) Traffic as per FCC 01-131 (Effective 7/01/17)		GOC00		\$0.00			MOU
6	NV	DIRECTORY ASSISTANCE	Directory Assistance, per call				\$0.40	NA		per call
6	NV	DIRECTORY ASSISTANCE	National Directory Assistance (NDA), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Reverse Directory Assistance (RDA), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Business Category Search (BCS), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Express Call Completion / Directory Assistance Call Completion, per call				0.15	NA		per call
6	NV	DIRECTORY ASSISTANCE LISTINGS	Directory Assistance Listing Services - Lata-Wide Call Completion - Rate per MOU for each completed ECCS call				\$ 0.0120	NA		per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	switch, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per DA call				\$0.03	NA		per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		state, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00		state, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	switch, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		state, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00		state, per OCN
6	NV	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call				0.15	NA		call
6	NV	OPERATOR CALL PROCESSING	Operator Assisted Call processing - All Types, per work second				\$0.03	NA		work second
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per OA call				\$0.03	NA		per call
6	NV	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	NV	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	NV	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				18.05%	N/A	N/A	Flat Rate Discount for Resale
6	NV	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				18.05%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	OH	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
2MR-AT	OH	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15		\$0.00			MOU
2MR-AT	OH	Transit Traffic Service	Tandem Switching	OHU	USG23		\$0.004587	NA	NA	per minute of use
2MR-AT	OH	Transit Traffic Service	Tandem Termination	OHU	USG20		\$0.000226	NA	NA	per minute of use
2MR-AT	OH	Transit Traffic Service	Tandem Facility - per mile	OHU	USG21		\$0.000188	NA	NA	per minute of use, per mile
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch per OCN				NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$ 0.03	NA		per OS/DA call
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	NA	\$ 1,500.00	per state, per OCN
6	OH	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA		per call
6	OH	OPERATOR CALL PROCESSING	Operator Assisted Call Processing - All Types, per work second	XPU	OPEN		\$ 0.03	NA		per work second
6	OH	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load				NA	\$ 0.040		per listing
6	OH	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060			per listing
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial / Subsequent Load - per trunk group					\$800.00	\$800.00	per trunk group
6	OH	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	OH	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	OH	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.29%	N/A	N/A	Flat Rate Discount for Resale
6	OH	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.29%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	OK	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$0.0007	NA	NA	MOU
2MR-AT	OK	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective 7/01/17)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	OK	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU				NA	NA	NA	MOU
2MR-AT	OK	Transit Traffic Service	Transit Rate (Zone 1 - Rural)		ZZUTN	1	\$0.001770	NA	NA	per minute of use
2MR-AT	OK	Transit Traffic Service	Transit Rate (Zone 2 - Suburban)		ZZUTN	2	\$0.001485	NA	NA	per minute of use
2MR-AT	OK	Transit Traffic Service	Transit Rate (Zone 3 - Metro)		ZZUTN	3	\$0.001356	NA	NA	per minute of use
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$0.40	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$0.15	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call		ZZUO5		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call - credit		ZZUO6		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUO8		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call		ZZUO8		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Based Rate Reference - Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state per OCN
6	OK	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	OK	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	OK	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$0.15	NA	NA	completed automated call
6	OK	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$0.03	NA	NA	per work second
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Per call		ZZUCB		\$0.030	NA	NA	per call
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Based Rate Reference - Initial Load, per state per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state per OCN
6	OK	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				19.80%	N/A	N/A	Flat Rate Discount for Resale
6	OK	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				19.80%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000045			MILE/MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			MILE/MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0004095			MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			MOU
6	SC	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	SC	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	SC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	SC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	SC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	SC	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	SC	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			per call
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			per call
6	SC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS for Wholesale CLEC - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS for Wholesale CLEC - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	SC	BRANDING - OPERATOR CALL PROCESSING	Wholesale CLEC - Unbranding via OLNS - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Wholesale CLEC - Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN
6	SC	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	SC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	SC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				14.80%	N/A	N/A	Flat Rate Discount for Resale
6	SC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				14.80%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)				0.0007			MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)				0.00bk			MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective through 6/30/18)				0.0000064			Per Mile, Per MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU (Effective 7/1/2018)				0.00bk			Per Mile, Per MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective through 6/30/18)				0.0000064			Per Mile, Per MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU (Effective 7/1/2018)				0.00bk			Per Mile, Per MOU
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement [DISCONNECT] (USOC=CBADA)	AMT	SOMAN			13.32	1.40	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement (USOC=CBADA)	AMT	SOMAN			20.35	10.54	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement [DISCONNECT]	AMT	CBADA			7.03	7.03	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN (USOC=CBADC)	AMT	SOMAN			20.35	10.54	per Switch per OCN
6	TN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	TN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	TN	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement [DISCONNECT] (USOC=CBAOS)	AMT	SOMAN			19.99	19.99	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement (USOC=CBAOS)	AMT	SOMAN			19.99	19.99	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement [DISCONNECT]	AMT	CBAOS			7.03	7.03	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per state per OCN	AMT	CBAOL			500.00	500.00	per state per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per state per OCN (USOC=CBAOL)	AMT	SOMAN			19.99	19.99	per state per OCN
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			per call

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			per call
6	TN	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	TN	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	TN	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	TN	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	16.00	16.00	OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	1,200.00	1,200.00	per switch per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)							OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	TN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.00%	N/A	N/A	Flat Rate Discount for Resale
6	TN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.00%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU (Effective 7/1/2016 – 6/30/2017)		ZZUR2		\$0.0007	NA	NA	MOU
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU (Effective 7/1/2017)		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU (Effective Through 6/30/17)		ZZUR2		\$0.000700	NA	NA	MOU
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU1 (Effective 7/01/17)		ZZUR2		\$0.000000	NA	NA	MOU
2MR-AT	TX	Transit Traffic Service	Local Transiting		ZZUTN		\$0.000960	NA	NA	per minute of use
2MR-AT	TX	Transit Traffic Service	Optional EAS Transit				\$0.001030	NA	NA	per minute of use
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit		ZZUO4		\$0.40	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per cal		ZZUO7		\$0.15	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per cal		ZZUO5		\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit		ZZUO6		\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call		ZZUO8		\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	TX	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	TX	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state, per OCN
6	TX	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$0.15	NA	NA	per completed automated call
6	TX	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$0.03	NA	NA	per work second
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Initial Load per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state, per OCN
6	TX	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	N/A	N/A	Flat Rate Discount for Resale
6	TX	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non- Recurring Charge (NRC) First	Non- Recurring Charge (NRC) Additional	Per Unit
2MR-AT	WI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
2MR-AT	WI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG15		\$0.00			MOU
6	WI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC)	XPU	OPEN		\$ 0.15	NA	NA	per call
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load per switch per OCN				N/A	\$1,800.00	\$1,800.00	per switch, per OCN
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Rate/Reference Look Up, per OS/DA call	XPU	OPEN		\$ 0.03			per OS/DA call
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding-Facility Based-Initial/Subsequent Load - Branding, per trunk group				NA	\$ 800.00	NA	per trunk group
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	NA	per state, per OCN
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00	\$ 1,500.00	per state, per OCN
6	WI	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	WI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	WI	OPERATOR CALL PROCESSING	Branding-Other-Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	WI	OPERATOR CALL PROCESSING	per call	XPU	OPEN		\$ 0.03			per OS/DA call
6	WI	OPERATOR CALL PROCESSING	Branding - Initial/Subsequent Load - per trunk group					\$ 800.00		per trunk group
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Initial Load					\$ 5,000.00		per state, per OCN
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Subsequent Load				NA	\$ 1,500.00	\$ 1,500.00	per state, per OCN
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060		NA	per listing
6	WI	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	WI	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	WI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				25.00%	N/A	N/A	Flat Rate Discount for Resale
6	WI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				25.00%	N/A	N/A	Flat Rate Discount for Resale

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T MISSISSIPPI
AND AT&T TENNESSEE, THE OHIO BELL TELEPHONE COMPANY
D/B/A AT&T OHIO

AND

ONVOY, LLC, NEUTRAL TANDEM-MICHIGAN, LLC, NEUTRAL
TANDEM-MISSISSIPPI, LLC, NEUTRAL TANDEM-TENNESSEE, LLC

Signature: eSigned - John BullockSignature: eSigned - William BockelmanName: eSigned - John Bullock
(Print or Type)Name: eSigned - William Bockelman
(Print or Type)Title: Chief Operating Officer
(Print or Type)Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)Date: 02 Feb 2019Date: 04 Feb 2019Neutral Tandem-Michigan, LLC, Neutral
Tandem-Mississippi, LLC, Neutral Tandem-
Tennessee, LLCBellSouth Telecommunications, LLC d/b/a AT&T
MISSISSIPPI and AT&T TENNESSEE, The Ohio Bell
Telephone Company d/b/a AT&T OHIO by AT&T
Services, Inc., its authorized agent

State	Resale OCN	CLEC OCN
MISSISSIPPI	---	719E
OHIO	363F	215F,464C
TENNESSEE	---	525E

Description	ACNA Code(s)
ACNA(s)	MSK,OWS

Signature: eSigned - Kyle V. BertrandSignature: eSigned - William BockelmanName: eSigned - Kyle V. Bertrand
(Print or Type)Name: eSigned - William Bockelman
(Print or Type)Vice President, Network Optimization & Procurement
Title: _____
(Print or Type)Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)Date: 04 Feb 2019Date: 04 Feb 2019

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T
MISSISSIPPI and AT&T TENNESSEE, The Ohio Bell
Telephone Company d/b/a AT&T OHIO by AT&T
Services, Inc., its authorized agent

State	Resale OCN	CLEC OCN
MISSISSIPPI	---	719E
OHIO	363F	215F,464C
TENNESSEE	---	525E

Description	ACNA Code(s)
ACNA(s)	MSK,OWS

**AMENDMENT TO THE AGREEMENTS
BETWEEN
NEUTRAL TANDEM-MICHIGAN, LLC, NEUTRAL TANDEM-MISSISSIPPI, LLC, NEUTRAL
TANDEM-TENNESSEE, LLC
AND
BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T MISSISSIPPI, AT&T TENNESSEE,
THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO**

This Amendment (the "Amendment") amends the Agreements by and between AT&T and Neutral Tandem-Michigan, LLC, Neutral Tandem-Mississippi, LLC, Neutral Tandem-Tennessee, LLC ("Neutral Tandem") as shown in the attached Exhibit A.

WHEREAS, AT&T and Neutral Tandem are Parties to the Agreements as shown in the attached Exhibit A.

WHEREAS, AT&T and Onvoy, LLC ("Onvoy") are Parties to the Agreements as shown in the attached Exhibit B.

WHEREAS, Neutral Tandem desires to assign its Agreements to Onvoy, LLC ("Onvoy");

WHEREAS, Onvoy represents that it has registered this merger transaction and name with each Secretary of State impacted by the assignment to the extent required under applicable law or regulation;

WHEREAS, Onvoy represents that it has filed for a change in its certification with each Public Utilities Commission to the extent required under applicable law or regulation or by the assignment;

WHEREAS, Onvoy represents that it will continue to use its SPIDs registered with NPAC, ACNA registered with iconectiv and OCNs with NECA;

WHEREAS, Onvoy seeks to assume the SPIDs, ACNA and OCNs to the Neutral Tandem Agreements;

WHEREAS, Onvoy represents that it has registered these SPIDs with NPAC, ACNAs with iconectiv and OCNs with NECA;

WHEREAS, Onvoy desires to terminate its Agreements with AT&T, as contained in Exhibit B;

WHEREAS, Onvoy represents that it has authority to amend the Neutral Tandem Agreements;

WHEREAS, Onvoy desires to continue to purchase services from AT&T under the Neutral Tandem Agreements;

WHEREAS, AT&T and Onvoy agree to amend the Neutral Tandem Agreements to reflect the name change to Onvoy, LLC and assume the Neutral Tandem SPIDs, ACNAs and OCNs listed in this Amendment; and

WHEREAS, concurrent with the execution of this Amendment, certain services being provided today by AT&T to Onvoy will subsequently be provided by AT&T to Onvoy under the Neutral Tandem Agreements, as amended, including by way of name change from Neutral Tandem to Onvoy.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, AT&T and Onvoy agree to amend the Neutral Tandem Agreements as follows:

1. This Amendment is composed of the foregoing recitals, the terms and conditions, contained within, Exhibit A – Listing of Neutral Tandem's Agreements and Exhibit B – Listing of Onvoy, LLC's Agreements immediately following, all of which are hereby incorporated in this Amendment by this reference and constitute a part of this Amendment.
2. Upon the Effective date of this amendment for each state, Onvoy's Agreement for the respective state, as listed in Exhibit B, is hereby terminated.
3. The Neutral Tandem Agreements are hereby amended to reflect the assignment from "Neutral Tandem" to "Onvoy, LLC"

- 3.1 AT&T shall reflect the assignment from "Neutral Tandem" to "Onvoy, LLC" only for the main billing account (header card) for each of the CLEC accounts previously billed to Neutral Tandem. AT&T shall not be obligated, whether under this Amendment or otherwise, to make any other changes to AT&T records with respect to those accounts previously billed to Neutral Tandem, including to the services and items provided and/or billed thereunder or under the Neutral Tandem Agreements. Without limiting the foregoing, Onvoy affirms, represents, and warrants that the ACNA and OCN for those accounts shall not change from that previously used by Neutral Tandem with AT&T for those accounts and the services and items provided and/or billed thereunder or under the Neutral Tandem Agreements.
- 3.2 Once this Amendment is effective, Onvoy shall operate with AT&T under the "Onvoy, LLC" name for those CLEC accounts previously billed Neutral Tandem. Such operation shall include, by way of example only, submitting orders under Onvoy, LLC and labeling equipment and facilities installed on AT&T premises after the effective date of this amendment with "Onvoy, LLC"
4. The Parties agree to continue use of Neutral Tandem's company codes to the Neutral Tandem Agreements:
- ACNA: OWS
OCN: 719E, 464C, 525E
SPID: 505B, 604E
5. The Parties agree to assign and use Onvoy's company codes to the Neutral Tandem Agreements upon the Effective Date of this Amendment.
- ACNA: MSK
OCN: 215F, 363F
SPID: 4899, 858G
6. For the States of Mississippi and Tennessee, the Parties agree to add the following provision to the Attachment or Appendix for Network Interconnection.
- NI.1 CLEC is solely responsible, including financially, for the facilities that carry Operator Services/Directory Assistance ("OS/DA"), E911, Mass Calling, Third Party and Meet Point Trunk Groups.
7. The Parties agree to replace Section N from the Neutral Tandem Agreements with the following language:
- N Notices**
- N.1 Notices given by CLEC to AT&T-21STATE under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- N.1 delivered by electronic mail (email).
N.2 delivered by facsimile.
- N.2 Notices given by AT&T-21STATE to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- N.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section N.4 below.
N.2.2 delivered by facsimile provided CLEC has provided such information in Section N.4 below.
- N.3 Notices will be deemed given as of the earliest of:
- N.3.1 the date of actual receipt;

- N.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent;

NOTICE CONTACT	CARRIER CONTACT
NAME/TITLE	Kyle V. Bertrand Vice President, Procurement Management and Network Optimization
STREET ADDRESS	75 Erieview Plaza, Suite 400
CITY, STATE, ZIP CODE	Cleveland, OH 44114
PHONE NUMBER*	(216) 373-4636
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	Kyle.Bertrand@inteliquent.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- N.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section N. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- N.6 In addition, CLEC agrees that it is responsible for providing AT&T-21STATE with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T-21STATE to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section N notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.
- N.6.1 CLEC may not order services under a new account and/or subsequent state certification, established in accordance with this Section until thirty (30) days after all information specified in this Section is received from CLEC.
- N.6.2 CLEC may be able to place orders for certain services in AT&T-21STATE without having properly updated the CLEC Profile; however, at any time during the term of this Agreement without additional notice AT&T may at its discretion eliminate such functionality. At such time, if CLEC has not properly updated its CLEC Profile, ordering capabilities will cease, and CLEC will not be able to place orders until thirty (30) days after CLEC has properly updated its CLEC Profile.
- N.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this

Agreement.

7. This Amendment shall be deemed to revise the terms and provisions of the Neutral Tandem Agreements only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Neutral Tandem Agreements (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Neutral Tandem Agreements), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Neutral Tandem Agreements, or in the Neutral Tandem Agreements but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
8. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Neutral Tandem Agreements (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Neutral Tandem Agreements or which may be the subject of further review.
9. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING NEUTRAL TANDEM AGREEMENTS SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
10. This Amendment shall not modify or extend the Effective Date or Term of the underlying Neutral Tandem Agreements, but rather, shall be coterminous with such Neutral Tandem Agreements.
11. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
12. For all States except Ohio: This Amendment shall be filed with and is subject to approval by the State Commission and shall become effective ten (10) days following approval by such Commission. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing.

Exhibit A - Listing of Neutral Tandem's Agreements

AT&T ILEC ("AT&T")	CLEC Name	Contract Type	Approval Date
The Ohio Bell Telephone Company d/b/a OHIO	Neutral Tandem-Michigan, LLC	Interconnection	11/23/2004
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Neutral Tandem-Mississippi, LLC	Interconnection	4/8/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Neutral Tandem-Tennessee, LLC	Interconnection	3/24/2008

Exhibit B – Listing of Onvoy, LLC's Agreements

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
The Oho Bell Telephone Company d/b/a AT&T OHIO	Onvoy, LLC	Interconnection	11/5/2008
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Onvoy, LLC	No ICA	
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Onvoy, LLC	No ICA	

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

ONVOY, LLC



Signature: eSigned - Kyle V. BertrandSignature: eSigned - William BockelmanName: eSigned - Kyle V. Bertrand
(Print or Type)Name: eSigned - William Bockelman
(Print or Type)

VP Procurement Management and Network Optimization

Title: _____
(Print or Type)Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)Date: 08 Feb 2019Date: 12 Feb 2019

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	CLEC OCN
ALABAMA	- - -	604E
ARKANSAS		348F
CALIFORNIA	- - -	649C,668G
FLORIDA	- - -	301H,937C
GEORGIA	- - -	067D,302H
ILLINOIS		304H,505B
INDIANA	363F	213F,097D
KANSAS		205F
KENTUCKY	- - -	896E,205F
LOUISIANA		749E
MICHIGAN	363F	214F,543C
MISSISSIPPI	- - -	719E
MISSOURI	- - -	093F,389H
NEVADA		029F

NORTH CAROLINA	---	267H,638E
OHIO	363F	464C,215F
OKLAHOMA	---	390H,409F
SOUTH CAROLINA		548F
TENNESSEE	---	525E
TEXAS	---	903C,914G
WISCONSIN	---	225C,940E

Description	ACNA Code(s)
ACNA(s)	OWS,MSK

**AMENDMENT TO THE AGREEMENT
BETWEEN
ONVOY, LLC
AND**

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreements by and between AT&T and CLEC as shown in the attached Exhibit A.

WHEREAS, AT&T and CLEC are Parties to the Agreements as shown in the attached Exhibit A.

WHEREAS, CLEC is providing interconnection to the PSTN on behalf of one or more interconnected VoIP providers ("IVP") in connection with the 2015 VoIP Number Access Order approved by the FCC in WC Docket No. 13-97; Numbering Policies for Modern Communications. As such, CLEC has been delivering traffic to and receiving traffic from AT&T on behalf of one or more IVPs pursuant to an amendment executed between the parties on October 25, 2016; and

WHEREAS, the Parties wish to amend the Agreement, pursuant to Sections 251 and 252 of the Act, to change certain provisions relating to WC Docket No. 13-97 approved by the FCC; and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, and Exhibit A immediately following, all of which are hereby incorporated within this Amendment by this reference and constitute a part of this Amendment.
2. The Parties agree to replace the definition of Interconnected VoIP Provider with the following:

"Interconnected VoIP Provider" or "IVP" as used in this Agreement is an entity as set forth in the Preamble that provides interconnected VoIP service as that term is defined in 47 U.S.C. § 9.3.
3. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC's agreement.
4. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
5. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

6. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
7. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
8. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
9. For Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Michigan, Missouri, Nevada, Oklahoma, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

Exhibit A

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Onvoy, LLC	Interconnection	03/04/2008
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Onvoy, LLC	Interconnection	05/14/2008
BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Onvoy, LLC	Interconnection	04/08/2008
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Onvoy, LLC	Interconnection	03/27/2008
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Onvoy, LLC	Interconnection	03/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Onvoy, LLC	Interconnection	03/24/2008
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Onvoy, LLC	Interconnection	07/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Onvoy, LLC	Interconnection	07/10/2009
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Onvoy, LLC	Interconnection	05/29/2009

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (f/k/a Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	Onvoy, LLC	Interconnection	02/04/2004
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Onvoy, LLC	Interconnection	07/18/2008
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Onvoy, LLC	Interconnection	09/15/2008
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Onvoy, LLC	Interconnection	09/12/2008
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Onvoy, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Onvoy, LLC	Interconnection	11/29/2005
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Onvoy, LLC	Interconnection	09/06/2005
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Onvoy, LLC	Interconnection	10/03/2005
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Onvoy, LLC	Interconnection	07/22/2004

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Onvoy, LLC	Interconnection	11/23/2004
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Onvoy, LLC	Interconnection	08/06/2004
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Onvoy, LLC	Interconnection	07/26/2004

INTERCONNECTION AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

ONVOY, LLC

Signature: eSigned - Kyle V. BertrandSignature: eSigned - William BockelmanName: eSigned - Kyle V. Bertrand
(Print or Type)Name: eSigned - William Bockelman
(Print or Type)

VP Procurement Management and Network Optimization

Title: _____
(Print or Type)Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)Date: 07 Jan 2020Date: 10 Jan 2020

Onvoy, LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

AMENDMENT TO THE AGREEMENT
BETWEEN
ONVOY, LLC
AND

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit B.

WHEREAS, AT&T and CLEC are parties to the Interconnection Agreements as shown in the attached Exhibit B, under Sections 251 and 252 of the Communications Act of 1934 as amended (the "Act") and as subsequently amended (the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to implement the FCC Orders FCC-19-66 and FCC-19-72 in WC Dkt. No. 18-141; Petition of USTelecom for Forbearance Pursuant to 47 U.S.C. § 160(c) to Accelerate Investment in Broadband and Next-Generation Networks which was filed with the FCC on May 4, 2018 ("FCC UNE and Resale Forbearance Order"); and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals and the terms and conditions contained herein, all of which are hereby incorporated by this reference and constitute a part of this Amendment.
2. As of February 2, 2020, except for resale services that are grandfathered pursuant to subsection a, CLEC may no longer purchase any resale services pursuant to the rates, terms and conditions of this Agreement, including any resale Tariff referred to in this Agreement, other than the rates, terms and conditions provided for in Attachment 251(b)(1) Resale.
 - a. Resale services ordered on or before February 1, 2020 ("Resale Embedded Base"), are grandfathered until August 2, 2022, and available only:
 - i. to the same End User; and
 - ii. at that same End User's existing location;
 - iii. both as of February 2, 2020.
3. Add Attachment - 251(b)(1) Resale to the Agreement.
4. As of February 2, 2020, CLEC may no longer order 2-Wire Analog UNE Loops or 4-Wire Analog UNE Loops ("Analog Loops") pursuant to this Agreement. Any existing Analog Loops ordered on or before February 1, 2020 ("Analog Loop Embedded Base") are grandfathered until August 2, 2022. CLEC shall convert the Analog Loop Embedded Base to a commercial offering, or other comparable service, or disconnect such Analog Loop on, or before, August 1, 2022. Exhibit A to this Amendment contains Analog Loop element descriptions and USOCs that are subject to the FCC UNE and Resale Forbearance Order, however this Agreement may also contain additional and/or older element descriptions and USOCs that are also Analog Loops subject to the FCC UNE and Resale Forbearance Order.

- a. To the extent CLEC fails to adhere to the above, at AT&T's sole discretion, AT&T may take one or more of the following actions for any remaining Analog Loops and CLEC will be responsible for all recurring and non-recurring charges:
 - i. convert to an analogous arrangement available under a separate commercial agreement executed by the Parties, or
 - ii. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
 - iii. reprice by application of a new rate (or by application of a surcharge to an existing rate), or
 - iv. disconnect.
 - b. AT&T reserves the right to backbill CLEC for the difference between an Analog Loop rate and the non-UNE rate that applies under this Section 4 for any new Analog Loops inadvertently ordered on or after February 2, 2020, and any Analog Loop Embedded Base remaining as of August 1, 2022.
 - c. AT&T's election to reprice the Analog Loop shall not preclude AT&T from later converting the Analog Loop to an analogous arrangement available under a separate commercial agreement or an AT&T tariff or guidebook service.
5. As of January 12, 2020, CLEC may no longer order DS1/DS3 Unbundled Dedicated Transport ("DS1/DS3 UDT"), whether stand-alone or part of a combination (e.g., Enhanced Extended Link), pursuant to this Agreement between Tier 1 wire centers and/or wire centers subject to UDT forbearance under Public Notice DA 19-733, dated August 1, 2019. Any such existing DS1/DS3 UDT ordered on or before January 11, 2020, is grandfathered until July 12, 2022 ("UDT Embedded Base").
- i. CLEC must convert any grandfathered DS1/DS3 UDT to another product/service offering on or before July 12, 2022, pursuant to the Conversion of 251(c)(3) UNE/UNE Combinations to Wholesale Services provisions of this Agreement or other similar provision.
 - ii. If CLEC fails to convert grandfathered DS1/DS3 UDT before July 12, 2022, at AT&T's sole discretion, AT&T may convert any, or all, of the remaining DS1/DS3 UDT to the equivalent Special Access service at month-to-month rates, terms and conditions. CLEC shall be responsible for all associated recurring and non-recurring charges.
 - iii. AT&T reserves the right to backbill CLEC for the difference between a DS1/DS3 UDT rate and the non-UNE rate that applies under this Section 5 for any new circuits inadvertently ordered on or after January 12, 2020 and any UDT Embedded Base remaining as of July 12, 2022.
 - iv. If the FCC determines that additional wire centers are subject to forbearance, CLEC shall cease ordering DS1/DS3 UDT as of the date specified by the FCC and adhere to any FCC-specified transition timelines.
6. Any future forbearance from or rule changes for Section 251(c)(3) UNEs offered pursuant to this Agreement shall be incorporated by reference as of the effective date of the FCC order and shall not require a written amendment. AT&T shall provide Notice to CLEC of how the Parties will implement the subsequent UNE forbearance or rule change. Notice will include applicable transition periods and any changes to rate(s), term(s) and/or condition(s) to the underlying Agreement.
7. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
8. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.

9. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
10. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterpart shall together constitute one and the same instrument.
11. For Alabama, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Michigan, Mississippi, Missouri, Nevada, North Carolina, Oklahoma, South Carolina, Tennessee, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

ATTACHMENT 16b – 251(b)(1) RESALE

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1.0 INTRODUCTION

- 1.1 This Attachment sets forth terms and conditions for Section 251(b)(1) resale services ("Resale Services") provided by AT&T-21STATE to CLEC.
- 1.2 Pursuant to Section 251(b)(1), beginning February 2, 2020, CLEC may order and AT&T-21STATE shall make available to CLEC for resale, pursuant to the rates, terms and conditions of this Attachment, Telecommunications Services that AT&T-21STATE provides at retail to End Users who are not Telecommunications Carriers. Beginning August 2, 2022, this Attachment shall govern all Resale Services CLEC purchases from AT&T-21STATE, including Resale Services that were purchased prior to August 2, 2022 pursuant to other provisions of this Agreement and/or resale tariff and that remain in service as of that date ("Resale Embedded Base").

2.0 GENERAL PROVISIONS

- 2.1 AT&T-21STATE's obligation to provide Resale Services under this Attachment is subject to availability of existing facilities. CLEC may resell Telecommunications Services provided hereunder only in those service areas in which such Resale Services or any feature or capability thereof are currently offered to AT&T-21STATE's End Users at retail.
- 2.2 Notwithstanding any other provision in this Agreement or in any applicable Tariff, once a retail service has been grandfathered it is available to CLEC for resale pursuant to the rates, terms and conditions of the state-specific retail Tariff and only:
- (i) to the same End User; and
 - (ii) at that same End User's existing location;
 - (iii) both as of the time of that service's grandfathering.
- 2.3 AT&T-21STATE may withdraw the availability of certain Telecommunication Services that AT&T-21STATE previously provisioned to CLEC or retail End Users pursuant to C.F.R 51.325 through 51.335 as such rules may be amended from time to time (the "Network Disclosure Rules").
- 2.4 CLEC shall not use any Resale Services to avoid the rates, terms and conditions of AT&T-21STATE's corresponding retail Tariff(s). Moreover, CLEC shall not use any Resale Services to provide access or interconnection services to itself, interexchange carriers (IXCs), wireless carriers, competitive access providers (CAPs), interconnected VoIP providers (IVPs), mobile virtual network operators (MVNOs), or other Telecommunications providers; provided, however, that CLEC may permit its End Users to use resold local exchange telephone service to access IXCs, wireless carriers, CAPs, or other retail Telecommunications providers. CLEC may not resell any Resale Services to another CLEC, including its own Affiliate(s).
- 2.5 Except as otherwise expressly provided herein, the state-specific retail Tariff(s) shall govern the rates, terms and conditions associated with the Telecommunications Services available to CLEC for resale, except for any resale restrictions; provided, however, that any restrictions on further resale by the End User shall continue to apply. CLEC and its End Users may not use Resale Services in any manner not permitted for AT&T-21STATE's End Users. Any change to the rates, terms and conditions of any applicable Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- 2.6 CLEC shall only sell Plexar®, Centrex and Centrex-like services to a single End User or multiple End User(s) in accordance with the terms and conditions set forth in the retail Tariff(s) applicable to the state(s) in which service is being offered.
- 2.7 Except where otherwise explicitly permitted in AT&T-21STATE's Tariff(s), CLEC shall not permit the sharing of Resale Services by multiple End User(s) or the aggregation of traffic from multiple End User(s) onto a single service.
- 2.8 CLEC shall only provide Resale Services under this Attachment to the same category of End User(s) to which AT&T-21STATE offers such services (for example, residence service shall not be resold to business End Users).
- 2.9 Special Needs Services are services for the physically disabled as defined in state-specific Tariffs. Where available for resale in accordance with state-specific Tariffs, CLEC may resell Special Needs Services to End Users who are

eligible for each such service. To the extent CLEC provides Resale Services that require certification on the part of the End User, CLEC shall ensure that the End User meets all the Tariff eligibility requirements, has obtained proper certification, continues to be eligible for the program(s), and complies with all rules and regulations as established by the appropriate Commission and state Tariffs.

- 2.10 When ordering Resale Services that have an eligibility requirement (e.g., available only in a “retention”, “winback”, or “competitive acquisition” setting), CLEC shall maintain (and provide to AT&T-21STATE upon reasonable request) appropriate documentation, including, but not limited to, original End User service order data, evidencing the eligibility of its End User(s) for such offering or promotion. AT&T-21STATE may request up to one (1) audit for each promotion per twelve (12) month period that may cover up to the preceding twenty-four (24) month period.
- 2.11 Promotions of ninety (90) calendar days or less (“Short-Term Promotions”) shall not be available for resale. Promotions lasting longer than ninety (90) calendar (“Long-Term Promotions”) may be made available for resale. AT&T 21-STATE may eliminate any Resale Discount on all or certain Long-Term Promotions by providing a 45-day notice of such elimination.
- 2.12 If CLEC is in violation of any provision of this Attachment, AT&T-21STATE will notify CLEC of the violation in writing (“Resale Notice”). Such Resale Notice shall refer to the specific provision being violated. CLEC will have the breach cure period as specified in the General Terms and Conditions of this Agreement to correct the violation and notify AT&T-21STATE in writing that the violation has been corrected. AT&T-21STATE will bill CLEC the greater of:
- (i) the charges that would have been billed by AT&T-21STATE to CLEC or any Third Party but for the stated violation; or
 - (ii) the actual amounts CLEC billed its End User(s) in connection with the stated violation.
- 2.13 Notwithstanding any other provision of this Agreement, CLEC acknowledges and agrees that the assumption or resale to similarly-situated End Users of customer specific arrangement contracts, individual case basis contracts, or any other customer specific pricing contract is not addressed in this Agreement and that if CLEC would like to resell such arrangements, it may only do so consistent with applicable law and after negotiating an amendment hereto that establishes the rates, terms and conditions thereof. Such amendment will only be effective upon written execution by both Parties and approval by the Commission(s).
- 2.14 Except where otherwise required by law, CLEC shall not, without AT&T-21STATE's prior written authorization, offer the services covered by this Attachment using the trademarks, service marks, trade names, brand names, logos, insignia, symbols or decorative designs of AT&T-21STATE or its Affiliates, nor shall CLEC state or imply that there is any joint business association or similar arrangement with AT&T-21STATE in the provision of Telecommunications Services to CLEC's End Users.

3.0 PRICING AND DISCOUNTS

- 3.1 “Resale Discount” means the applicable discount off retail rates applied to AT&T-21STATE Telecommunications Services resold by CLEC to its End Users. Any change to the rates, terms and conditions of any applicable retail Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- 3.2 The Resale Discounts in the underlying Interconnection Agreement will apply until AT&T-21STATE provides notification of change to the Resale Discounts. AT&T-21STATE will provide such notification at least three (3) months in advance of any change to current Resale Discounts. Changes to the Resale Discounts will be posted to AT&T CLEC Online and will be incorporated by reference upon the effective date stated therein. For avoidance of doubt, changes to Resale Discounts do not apply to Embedded Base Resale until August 2, 2022.

4.0 RESPONSIBILITIES OF PARTIES

- 4.1 CLEC shall be responsible for modifying and connecting any of its systems with AT&T-21STATE-provided interfaces, as outlined in Attachment 07 – Operations Support Systems (OSS), and CLEC agrees to abide by AT&T-21STATE procedures for ordering Resale Services. CLEC shall obtain End User authorization as required by applicable federal and state laws and regulations and assumes responsibility for applicable charges as specified in Section 258(b) of the Act.

- 4.2 CLEC shall release End User accounts in accordance with the directions of its End Users or an End User's authorized agent. When a CLEC End User switches to another carrier, AT&T-21STATE may reclaim the End User or process orders for another carrier, as applicable.
- 4.3 CLEC will have the ability to report trouble for its End Users to the appropriate AT&T-21STATE maintenance center(s) as provided in the CLEC Online Handbook(s). CLEC End Users calling AT&T-21STATE will be referred to CLEC at the telephone number(s) provided by CLEC to AT&T-21STATE. Nothing herein shall be interpreted to authorize CLEC to repair, maintain, or in any way touch AT&T-21STATE's network facilities, including without limitation those facilities on End User premises.
- 4.4 CLEC's End Users' that activate Call Trace, or who are experiencing annoying calls, should contact law enforcement. Law Enforcement works with the appropriate AT&T-21STATE operations centers responsible for handling such requests. AT&T-21STATE shall notify CLEC of requests by its End Users to provide call records to the proper authorities. Subsequent communication and resolution of each case involving one of CLEC's End Users (whether that End User is the victim or the suspect) will be coordinated through CLEC. AT&T-21STATE shall be indemnified, defended and held harmless by CLEC and/or the End User against any claim, loss or damage arising from providing this information to CLEC. It is the responsibility of CLEC to take the corrective action necessary with its End User who makes annoying calls. Failure to do so will result in AT&T-21STATE taking corrective action, up to and including disconnecting the End User's service.
- 4.5 CLEC acknowledges that information AT&T-21STATE provides to law enforcement agencies at the agency's direction (e.g., Call Trace data) shall be limited to available billing number and address information. It shall be CLEC's responsibility to provide additional information necessary for any law enforcement agency's investigation.
- 4.5.1 In addition to any other indemnity obligations in this Agreement, CLEC shall indemnify AT&T-21STATE against any Claim that insufficient information led to inadequate prosecution.
- 4.5.2 AT&T-21STATE shall handle law enforcement requests in accordance with the Law Enforcement provisions of the General Terms and Conditions of this Agreement.

5.0 BILLING AND PAYMENT OF RATES AND CHARGES

- 5.1 CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC's location and its End Users' service locations.
- 5.1.1 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T-21STATE for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T-21STATE.
- 5.2 AT&T-21STATE shall not be responsible for how the associated charges for Resale Services may be allocated to End Users or others by CLEC. Applicable rates and charges for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.
- 5.2.1 Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.
- 5.2.2 If CLEC does not wish to be responsible for payment of charges for toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is CLEC's responsibility to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.
- 5.3 CLEC shall pay the Federal End User Common Line (EUCL) charge and any other appropriate FCC or Commission-approved charges, as set forth in the appropriate Tariff(s), for each local exchange line furnished to CLEC under this

Attachment.

- 5.4 To the extent allowable by law, CLEC shall be responsible for both Primary Interexchange Carrier (PIC) and Local Primary IntraLATA Presubscription (LPIC) change charges associated with each local exchange line furnished to CLEC under this Attachment. CLEC shall pay all charges for PIC and LPIC changes at the rates set forth in the Pricing Schedule or, if any such rate is not listed in the Pricing Schedule, then as set forth in the applicable Tariff.

6.0 ANCILLARY SERVICES

- 6.1 E911 Emergency Service: The terms and conditions for the provision of AT&T-21STATE 911 services are contained in Attachment 911/E911.
- 6.2 Payphone Services: CLEC may provide certain local Telecommunications Services to Payphone Service Providers (PSPs) for PSPs' use in providing payphone service. Rates for Payphone Services are established under the provisions of Section 276 of the Federal Telecommunications Act of 1996 and are not eligible for the Resale Discount unless required by State Commission order(s). However, given certain billing system limitations, the Resale Discount may be applied to Payphone Services, unless and until AT&T-21STATE is able to modify its billing system, AT&T-21STATE may issue true-up bills in accordance with the provisions set forth in the General Terms and Conditions.

7.0 SUSPENSION OF SERVICE

- 7.1 See applicable Tariff(s) for rates, terms and conditions regarding Suspension of Service.
- 7.2 AT&T-21STATE will offer Suspension of Service to CLEC for CLEC initiated suspension of service of the CLEC's End Users. This service is not considered a Telecommunications Service and will receive no Resale Discount.

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet (per DS0)	UEA	URESP	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet (per DS0)	NTCVG	URESP	
AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
AL	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation - Cross Connect		UCXC2	
AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop to Collocation (without testing) - Cross Connect		UCXD2	
AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop to Collocation - Cross Connect		UCXC4	
AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop to Collocation (without testing) - Cross Connect		UCXD4	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile		ULNHS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile		ULNHS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile		ULNJS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile		ULNJS	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS1 to Collocation		UCXHX	
AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS3 to Collocation		UCXJX	
AR	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
AR	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 1 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	1
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 2 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	2
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 3 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Statewide	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Loop - CO Facility Interface Connection (OANAD Terminology - 4-Wire - CO Facility Interface Connection)		3F74X	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage)	CT1++, EE7M+	1L5UB	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile)			
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage)	CT3++, EE7P+, EE7Q+	1L5UB	
CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile)			
CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1)	CT1++, EE7M+	MQ1UB	
CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3)	CT3++, EE7P+, EE7Q+	MQ3UB	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS1/DS0 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UC	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX91	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS3/DS1 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UD	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX99	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UD	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX99	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS3/DS1 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS1/DS0 (CESAR/LEX - Simple)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS1/DS0 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS3/DS1 (CESAR/LEX - Simple)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS3/DS1 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS1/DS0 (CESAR/LEX - Simple)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS1/DS0 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS3/DS1 (CESAR/LEX - Simple)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS3/DS1 (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX88	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UC	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (Mechanized)	CT1++, EE7M+	MOX88	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX88	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UC	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX88	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX98	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UD	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (Mechanized)	CT1++, EE7M+	MOX98	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX98	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UD	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX98	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOCH3	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	SOCH3	
CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (Mechanized)			
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOCH3	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	SOCH3	
CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (Mechanized)			
CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 2-Wire		ABPM2	
CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 4-Wire		ABPM4	
CA	ADDITIONAL NETWORK ELEMENTS	2-Wire Analog Bridge Plug			

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
CA	ADDITIONAL NETWORK ELEMENTS	4-Wire Analog Bridge Plug			

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
FL	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Loop Testing - Basic Additional Half Hour	UEANL	URETA	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop) [DISCONNECT]	UEANL	UEAMC	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 1	UEQ	UEQ2X	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 2	UEQ	UEQ2X	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Basic 1st Half Hour	UEQ	URET1	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Bulk Migration, per 2 Wire Voice Loop-SL1	UEQ	UREPN	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES	
GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone -DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone -DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
GA	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop -Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2HXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2HXB	B
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2HXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, Analog/Reverse Battery-Rural(Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2WXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, Analog/Reverse Battery-Suburban(Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2WXB	B
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, analog/Reverse Battery-Metro(Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2WXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2JXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Suburban (Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2JXB	B
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2JXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	B
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	B
IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Rural (Access Area C)	MUJ++, EE7KX, UOB++, UOR++	U4HXC	C
IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7KX, UOB++, UOR++	U4HXB	B

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Metro Access Area A)	MUJ++, EE7KX, UOB++, UOR++	U4HXA	A
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Initial - Per Occasion (Connect + Disconnect Service Order - Initial (Connect)	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	SEPUP	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Initial - Per Occasion (Connect + Disconnect) Service Order - (Disconnect)	MUJ++, UOB++, UOR++	NKCG6	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Subsequent - Per Occasion	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	REAH9	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Record Work Only - Per Occasion	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NR9UP	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXA	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WC	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBA	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBB	
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBC	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXA	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXB	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXC	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XA	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XB	
IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XC	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXA	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXB	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXC	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7MX, UK1++	NRBCL	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS3 Dedicated Transport Installation & Rearrangement Charges - DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBC4	
IL	UNBUNDLED DEDICATED TRANSPORT	Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBDT	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish Connection	EE7JX	NKCAR	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish Disconnection	EE7JX	NKCAS	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish	EE7JX	NKCAT	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Connection	EE7JX	NKCAU	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Disconnection	EE7JX	NKCAV	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Manual Subsequent	EE7JX	NKCAW	
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Electronic Establish Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Manual Establish Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Manual Establish Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Electronic Establish Disconnection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Manual Establish Connection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Manual Establish Disconnection	EE7NX		
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Non-Channelized DS1 EEL Service Order - Electronic Establish Connection	EE7MX	NKCB4	
IL	UNBUNDLED EXCHANGE ACCESS LOOP	Non-Channelized DS1 EEL Service Order - Electronic Establish Disconnection	EE7MX	NKCB5	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Initial Connection	EE7JX	NKCB8	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Initial Disconnection	EE7JX	NKCB9	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Additional Connection	EE7JX	NKCB A	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Additional Disconnection	EE7JX	NKCBB	
IL	OPERATIONS SUPPORT SYSTEM	Provisioining - 4-Wire Analog Loop Connection - Initial Connection	EE7KX	NKCBC	
IL	OPERATIONS SUPPORT SYSTEM	Provisioining - 4-Wire Analog Loop Connection - Initial Disconnection	EE7KX	NKCBD	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Additional Connection	EE7KX	NKCBF	
IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Additional Disconnection	EE7KX	NKCBF	
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Initial Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Initia Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Additional Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Additional Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Initial Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Initial Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Additional Connection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Additional Disconnection	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Initial Connection	EE7MX	NKCBT	
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Initial Disconnection	EE7MX	NKCBU	
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Additional Connection	EE7MX	NKCBV	
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Additional Disconnection	EE7MX	NKCBW	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Initial Connection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Initial Disconnection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Additional Connection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Additional Disconnection	EE7NX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Initial, Install	EE7MX	NKCC6	
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Additional, Install	EE7MX		
IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Additional, Disconnect	EE7MX	NKCC7	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from Cage, DS1 , Design and Coordination Charge	EE7MX	NKCC9	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from Cage, DS3, Design and Coordination Charge	EE7MX	NKCCA	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DSO, Design and Coordination Charge	EE7JX, EE7KX, EE7LX	NKCCB	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DS1, Design and Coordination Charge	EE7MX	NKCCC	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DS3, Design and Coordination charge	EE7NX	NKCCD	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DS1, Design and Coordination charge	EE7MX	NKCCE	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCF	

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State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DSO, Design and Coordination Charge			
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DSO, Design and Coordination Charge			
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from OPO, DSO, Design and coordination Charge	EE7JX, EE7KX, EE7LX	NKCCG	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DS1, Design and Coordination Charge	EE7MX	NKCCH	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCJ	
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Private Line to UNE Conversion			
IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - AC2U Project Administrative Activity Per Service Circuit	EE7JX, EE7KX, EE7LX, EE7MX, EE7NX	NKCC8	
IL	UNBUNDLED DEDICATED TRANSPORT	Routine Modiifications to Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++		

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2HX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2HX2	2
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2HX3	3
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2WX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2WX2	2
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2WX3	3
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2JX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2JX2	2
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2JX3	3
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2CX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2CX2	2
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2CX3	3
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2KX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2KX2	2
IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2KX3	3
IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7KX, UOB++, UOR++	U4HX1	1
IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7KX, UOB++, UOR++	U4HX2	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7KX, UOB++, UOR++	U4HX3	3
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAR	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAS	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Subsequent Order	EE7JX, EE7KX, EE7LX	NKCAT	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Analog 2-Wire Digital Loop, Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAU	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR manual, Analog 2-Wire Digital Loop, Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAV	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Analog 2-Wire Digital Loop, Subsequent Order	EE7MX	NKCAW	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Establishment Request, Install	EE7MX	NKCAX	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Establishment Request, Disconnect	EE7MX	NKCAY	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Subsequent Order	EE7MX	NKCAZ	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Establishment Request, Install	EE7MX	NKCB1	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Establishment Request, Disconnect	EE7MX	NKCB2	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Subsequent Order	EE7MX	NKCB3	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 or DS3 Transport, Establishment Request, Install			
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 or DS3 Transport, Establishment Request, Disconnect			

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 or DS3 Transport, Establishment Request, Install			
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 or DS3 Transport, Establishment Request, Disconnect			
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Non-channelized DS1 EEL, Establishment Request, Install	EE7MX	NKCB4	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Non-channelized DS1 EEL, Establishment Request, Disconnect	EE7MX	NKCB5	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Non-channelized DS1 EEL, Establishment Request, Install	EE7MX	NKCB6	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Non-channelized DS1 EEL, Establishment Request, Disconnect	EE7MX	NKCB7	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, CO Multiplexing, DS1 to Voice, Establishment Request, Install			
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, CO Multiplexing, DS1 to Voice, Establishment Request, Disconnect			
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, CO Multiplexing, DS1 to Voice, Establishment Request, Install			
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, CO Multiplexing, DS1 to Voice, Establishment Request, Disconnect			
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Initial, Install	EE7JX	NKCB8	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Initial, Disconnect	EE7JX	NKCB9	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Additional, Install	EE7JX	NKCB9A	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Additional, Disconnect	EE7JX	NKCB9B	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Install	EE7KX	NKCB9C	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Disconnect	EE7KX	NKCB9D	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Install	EE7KX	NKCB9E	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Disconnect	EE7KX	NKCB9F	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Install	EE7LX	NKCB9G	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Disconnect	EE7LX	NKCB9H	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Install	EE7LX	NKCB9J	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Disconnect	EE7LX	NKCB9K	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Install	EE7MX	NKCBL	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Disconnect	EE7MX	NKCBM	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Additional, Install	EE7MX	NKCBN	
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Additional, Disconnect	EE7MX	NKCBO	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DS I to Voice, Initial, Install	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Initial, Disconnect	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Additional, Install	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Additional, Disconnect	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Initial, Install	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Additional, Install	EE7MX		

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Additional, Disconnect	EE7MX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Initial, Install	EE7MX	NKCBT	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7MX	NKCBU	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Add'l, Install	EE7MX	NKCBV	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport, Collocated, Add'l, Disconnect	EE7MX	NKCBW	
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Initial, Install	EE7NX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7NX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Additional, Install	EE7NX		
IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Additional, Disconnect	EE7NX		
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element Clear Channel Capability, Initial, Install	EE7MX	NKCC6	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element Clear Channel Capability, Additional, Install	EE7MX	NKCC7	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX3	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X1	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X2	
IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X3	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, UK1++	ORCMX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, UK1++	NRBCL	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, UK1++	NRBBL	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, UK3++	ORCMX	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, UK3++	NRBCL	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, UK3++	NRBC4	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBBL	
IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBDT	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Zone 3 (Urban)		U21	3
KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I
KS	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation		UCXHX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
KS	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
KY	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 1	UEANL	UEAL2	1
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 2	UEANL	UEAL2	2
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 3	UEANL	UEAL2	3
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 1	UEANL	UEASL	1
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 2	UEANL	UEASL	2
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 3	UEANL	UEASL	3
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise	UEQ	URETL	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Loop Testing - Basic 1st Half Hour	UEQ	URET1	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Loop Testing - Basic Additional Half Hour	UEQ	URETA	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
LA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
LA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
LA	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2HC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2HB1	B
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2HAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2WC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2WB1	B
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2WAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2JC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2JB1	B
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2JAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2CC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2CB1	B
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2CAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2KC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2KB1	B
MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2KAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Zone C)	MUJ++, EE7KX, UOB++, UOR++	U4HC1	C
MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Zone B)	MUJ++, EE7KX, UOB++, UOR++	U4HB1	B

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Zone A)	MUJ++, EE7KX, UOB++, UOR++	U4HAA	A
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached	MUJ++, EE7KX, UOB++, UOR++	NKCU1	
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Design Layout Report Date	MUJ++, EE7KX, UOB++, UOR++	NR95O	
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Records Issue Date	MUJ++, EE7KX, UOB++, UOR++	NR95P	
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Designed, Verified, and Assigned Date	MUJ++, EE7KX, UOB++, UOR++	NR95Q	
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Plant Test Date	MUJ++, EE7KX, UOB++, UOR++	NR95R	
MI	UNBUNDLED EXCHANGE ACCESS LOOP	Due Date Change Charge, per Order, per Occasion Analog Loop	MUJ++, EE7KX, EE7JX, UOB++, UOR++	NR955	
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1	UB5++, EE7MX, UK1++	CZ4X1	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2	UB5++, EE7MX, UK1++	CZ4X2	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3	UB5++, EE7MX, UK1++	CZ4X3	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone	UB5++, EE7MX, UK1++	CZ4XZ	I
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1	UB5++, EE7MX, UK1++	1YZX1	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2	UB5++, EE7MX, UK1++	1YZX2	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3	UB5++, EE7MX, UK1++	1YZX3	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone	UB5++, EE7MX, UK1++	1YZXZ	I
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX1	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX2	
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX3	
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Disconnect			
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU8	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC (Connect + Disconnect) Connect Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU8	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU8	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU9	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU9	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU9	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC UDT Installation and Rearrangement - Admin. Charge, Connect, Per Order	UB5++, EE7MX, UK1++	ORCMX	
MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC EELS Installation and Rearrangement - Admin. Charge, Disconnect, Per Order	UB5++, EE7MX, UK1++	NR9OT	
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1	UB5++, EE7NX, UK3++	CZ4W1	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2	UB5++, EE7NX, UK3++	CZ4W2	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3	UB5++, EE7NX, UK3++	CZ4W3	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone	UB5++, EE7NX, UK3++	CZ4WZ	I
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1	UB5++, EE7NX, UK3++	1YZB1	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2	UB5++, EE7NX, UK3++	1YZB2	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3	UB5++, EE7NX, UK3++	1YZB3	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone	UB5++, EE7NX, UK3++	1YZBZ	I
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect) Connect Zone 1 per circuit	UB5++, EE7NX, UK3++	NKCUE	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect) Connect Zone 2 per circuit	UB5++, EE7NX, UK3++	NKCUE	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect) Connect Zone 3 per circuit	UB5++, EE7NX, UK3++	NKCUE	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7NX, UK3++	NKCUF	1
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7NX, UK3++	NKCUF	2
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 3 per circuit	UB5++, EE7NX, UK3++	NKCUF	3
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Installation and Rearrangement - Admin. Charge, Connect, Per Order	UB5++, EE7NX, UK3++	ORCMX	
MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC DS3 Installation and Rearrangement - Admin. Charge, Disconnect, Per	UB5++, EE7NX, UK3++	NRBCL	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX1	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX2	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX3	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X1	
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X2	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X3	
MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Urban STL, KC)		U21	1
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Rural)		U21	3
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 4 (Urban Springfield)		U21	4
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Urban STL, KC)		U4H	1
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Rural)		U4H	3
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 4 (Urban Springfield)		U4H	4
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC2	
MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)	LU1	UCXD2	
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC4	
MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)	LU1	UCXD4	
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 1		UXRB1	1
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 2		UXRB2	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 3		UXRB3	3
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 1		UXRC1	1
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 2		UXRC2	2
MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 3		UXRC3	3
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 1		UXRD1	1
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 2		UXRD2	2
MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 3		UXRD3	3
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1		UXRQ1	1
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2		UXRQ2	2
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3		UXRQ3	3
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 1			1
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 2			2
MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 3			3
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNHS	1
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNHS	3
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNHS	4

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNHS	1
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNHS	3
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNHS	4
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNJS	1
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNJS	3
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNJS	4
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNJS	1
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNJS	3
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNJS	4
MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I
MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation	UBNTX	DXZTA	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation - Disconnect	UBNTX	NKCTE	
MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS3 to Collocation		UCXJX	
MO	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
MO	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4	UEANL	UEAL2	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4 [DISCONNECT]	UEANL	UEAL2	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4	UEANL	UEASL	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4 [DISCONNECT]	UEANL	UEASL	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 4	UEQ	UEQ2X	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 4 [DISCONNECT]	UEQ	UEQ2X	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 4	UEA	UEAL4	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	UEA	UEAL4	4
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 4	NTCVG	UEAL2	4
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 4 [DISCONNECT]	NTCVG	UEAL2	4
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 4	NTCVG	UEAR2	4
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 4 [DISCONNECT]	NTCVG	UEAR2	4
MS	UNE LOOP COMMINGLING	Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 4	NTCVG	UEAL4	4
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	NTCVG	UEAL4	4
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 4	UNCVX	UEAL4	4
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 4 [DISCONNECT]	UNCVX	UEAL4	4
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 4	UNC1X	USLXX	4
MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 4 [DISCONNECT]	UNC1X	USLXX	4
MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
MS	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 1	UEANL	UEAL2	1
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 2	UEANL	UEAL2	2
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 3	UEANL	UEAL2	3
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 1	UEANL	UEASL	1
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 2	UEANL	UEASL	2
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1- Zone 3	UEANL	UEASL	3
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
NC	ADDITIONAL NETWORK ELEMENTS	NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 1			1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 2			2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 3			3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 1	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	1
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 2	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	2
NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 3	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	CCDSO	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AEE1S	
NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 4-wire		C2CB4	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 1	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 2	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 3	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA5	3
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 1		UXRB1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 2		UXRB2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 3		UXRB5	3
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 1	B1L++, R1L++, LK1, L56++, L2DC	UXRA1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 2	B1L++, R1L++, LK1, L56++, L2DC	UXRA2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 3	B1L++, R1L++, LK1, L56++, L2DC	UXRA5	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 1	BDL++	UXRB1	1
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 2	BDL++	UXRB2	2
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 3	BDL++	UXRB5	3
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation			
NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation			
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 / Voice Grade	CT1++, EE7M+	MQ1UB	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 / DS1	CT3++, EE7P+, EE7Q+	MQ3UB	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	XOX15	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOX15	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (Mechanized)	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	MOX15	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1S	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3S	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX82	
NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX82	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	XOX18	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+. RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOX18	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (Mechanized)	BCL++, RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	MOX18	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1D	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3D	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX96	
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 2-Wire - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 4-Wire - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - DS3 to Collocation - Initial (CESAR/LEX - Simple)			

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - DS3 to Collocation - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - DS3 to Collocation - Initial (CESAR/LEX - Simple)			
NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - D366DS3 to Collocation - Initial (Mechanized)			
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UC	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX91	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UC	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX91	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UD	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX99	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UD	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX99	
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (Mechanized)	CT1++, EE7M+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		
NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	C
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2HXD	D
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	C
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2JXD	D
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2WXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2WXC	C
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2WXD	D
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2CXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2CXC	C
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2CXD	D
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2KXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2KXC	C
OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2KXD	D
OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	B
OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	C

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7LX	U4HXD	D
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	
OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX1	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX2	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit	UB5++, EE7MX, UK1++	CLYX3	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Design & Central Office Connection	UB5++, EE7MX, UK1++	NRBCL	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	NRBCL	
OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I
OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to Collocation		UCXHX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation		UCXJX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG		UM4BX	
OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1		UM4AX	
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 1		UXRA1	1
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 2		UXRA2	2
OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 3		UXRA3	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise	UEQ	URETL	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 (USOC=UEAL2)	UEANL	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 (USOC=UEAL2)	UEANL	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 (USOC=UEAL2)	UEANL	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 (USOC=UEASL)	UEANL	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 (USOC=UEASL)	UEANL	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 (USOC=UEASL)	UEANL	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 (USOC=UEQ2X)	UEQ	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 (USOC=UEQ2X)	UEQ	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 (USOC=UEQ2X)	UEQ	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) [DISCONNECT] (USOC=URES�)	UEA	SOMAN	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) (USOC=URES L)	UEA	SOMAN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 (USOC=UEAL4)	UEA	SOMAN	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 (USOC=UEAL4)	UEA	SOMAN	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 (USOC=UEAL4)	UEA	SOMAN	3
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES L	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) [DISCONNECT] (USOC=URES L)	UEA	SOMAN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) (USOC=URES L)	UEA	SOMAN	
TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URES P	
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination [DISCONNECT] (USOC=U1TF1)	U1TD1	SOMAN	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination (USOC=U1TF1)	U1TD1	SOMAN	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination [DISCONNECT] (USOC=U1TF3)	U1TD3	SOMAN	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination (USOC=U1TF3)	U1TD3	SOMAN	
TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 (USOC=UEAL4)	UNCVX	SOMAN	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 (USOC=UEAL4)	UNCVX	SOMAN	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 (USOC=UEAL4)	UNCVX	SOMAN	3

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 (USOC=USLXX)	UNC1X	SOMAN	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 (USOC=USLXX)	UNC1X	SOMAN	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 (USOC=USLXX)	UNC1X	SOMAN	3
TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT] (USOC=UE3PX)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination (USOC=UE3PX)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT] (USOC=U1TF1)	UNC1X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination (USOC=U1TF1)	UNC1X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT] (USOC=U1TF3)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination (USOC=U1TF3)	UNC3X	SOMAN	
TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
TN	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Disconnect		NKCT1	
TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Disconnect		NKCT8	
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Disconnect		NKCT9	
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I
TX	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation	UBNTX	UCXHX	
TX	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG		UM4BX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG - Disconnect		NKCTC	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1		UM4AX	
TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1 - Disconnect		NKCT6	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	B
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2HXA	A
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2WXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2WXB	B
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2WXA	A
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	B
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2JXA	A
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	B
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	A
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	B
WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	A
WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	C
WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	B

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7KX	U4HXA	A
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	
WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Disconnect			
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administrative Charge - Per Disconnect Order	UB5++, EE7MX, UK1++	TBD	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge - Per	UB5++, EE7MX, UK1++	NRBCL	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge	UB5++, EE7MX, UK1++	TBD	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administrative Charge - Per Disconnect	UB5++, EE7NX, UK3++	TBD	

Exhibit A

State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	NRBCL	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection	UB5++, EE7NX, UK3++	TBD	
WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	

Exhibit B

AT&T ILEC ("AT&T")	CLEC Legal Name	Contract Type	Approval Date
BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA	Onvoy, LLC	Interconnection	3/4/2008
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	Onvoy, LLC	Interconnection	7/18/2008
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	Onvoy, LLC	Interconnection	8/6/2004
BellSouth Telecommunications, LLC d/b/a AT&T FLORIDA	Onvoy, LLC	Interconnection	7/21/2009
BellSouth Telecommunications, LLC d/b/a AT&T GEORGIA	Onvoy, LLC	Interconnection	7/10/2009
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (Previously referred to as Illinois Bell Telephone Company d/b/a AT&T ILLINOIS)	Onvoy, LLC	Interconnection	2/4/2004
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Onvoy, LLC	Interconnection	10/27/2005
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	Onvoy, LLC	Interconnection	9/15/2008
BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY	Onvoy, LLC	Interconnection	5/29/2009
BellSouth Telecommunications, LLC d/b/a AT&T LOUISIANA	Onvoy, LLC	Interconnection	5/14/2008
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Onvoy, LLC	Interconnection	7/22/2004
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	Onvoy, LLC	Interconnection	11/29/2005

BellSouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	Onvoy, LLC	Interconnection	4/8/2008
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	Onvoy, LLC	Interconnection	9/6/2005
BellSouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	Onvoy, LLC	Interconnection	3/27/2008
The Ohio Bell Telephone Company d/b/a AT&T Ohio	Onvoy, LLC	Interconnection	11/23/2004
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	Onvoy, LLC	Interconnection	12/14/2014
BellSouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	Onvoy, LLC	Interconnection	3/12/2008
BellSouth Telecommunications, LLC d/b/a AT&T TENNESSEE	Onvoy, LLC	Interconnection	3/24/2008
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	Onvoy, LLC	Interconnection	10/3/2005
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Onvoy, LLC	Interconnection	7/26/2004