46.7.4 Signaling System 7 Interconnection

46.7.4.1 At **SPRINT**'s request, **SBC-13STATE** shall perform SS7 interconnection services for **SPRINT** pursuant to the applicable Appendix SS7, which is/are attached hereto and incorporated herein by reference.

46.7.5 Publishing and Directory

46.7.5.1 **SBC-13STATE** will make nondiscriminatory access to Publishing and Directory service available under the terms and conditions of the applicable Appendix White Pages, which is/are attached hereto and incorporated herein by reference.

46.8 RESALE SECTIONS 251(b)(1)

46.8.1 **SBC-13STATE** shall provide to **SPRINT** Telecommunications Services for resale at wholesale rates pursuant to the applicable Appendix Resale, which is/are attached hereto and incorporated herein by reference.

46.9 TRANSMISSION AND ROUTING OF SWITCHED ACCESS TRAFFIC PURSUANT TO 251(c)(2)

46.9.1 **SBC-13STATE** shall provide to **SPRINT** certain trunk groups (Meet Point Trunks) under certain parameters pursuant to the applicable Appendix ITR, which is/are attached hereto and incorporated herein by reference.

46.10 TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE SERVICE TRAFFIC PURSUANT TO SECTION 251(c)(2)(D); 252(d)(1) and (2); 47 CFR § 51.305(a)(5).

46.10.1 The applicable Appendix Reciprocal Compensation, which is/are attached hereto and incorporated herein by reference, prescribe traffic routing parameters for Local Interconnection Trunk Group(s) the Parties shall establish over the Interconnections specified in the applicable Appendix ITR, which is/are attached hereto and incorporated herein by reference

46.11 UNBUNDLED NETWORK ELEMENTS -- SECTIONS 251(c)(3)

46.11.1 Pursuant to the applicable Appendix UNE, which is/are attached hereto and incorporated herein by reference, **SBC-13STATE** will

provide **SPRINT** access to Unbundled Network elements for the provision of Telecommunications Service as required by Sections 251 and 252 of the Act and in the Appendices hereto. **SPRINT** agrees to provide access to its Network Elements to **SBC-13STATE** under the same terms, conditions and prices contained herein and in the applicable Appendices hereto.

46.12 INW
46.13 PRICES
46.14 NIM
46.15 NUMBERING
46.16 PERFORMANCE MEASURES
46.17 CUSTOMER USAGE DATA
46.18 RECIPROCAL COMPENSATION
46.19 xDSL
46.20 800
46.21 BFR
46.22 LIDB SVC
46.23 LIDB-AS
46.24 OSS
46.25 BILLING, COLLECTING AND REMITTING
46.26 DAL
46.27 DIRECT
46.28 FEATURE GROUP A
46.29 RECORDING – FACILITIES BASED

47. AUTHORITY

47.1 Each of the SBC owned ILEC(s) for which this Agreement is executed representsand warrants that it is a corporation duly organized, validly existing and in good standing under the laws of its state of incorporation. Each of the SBC owned ILEC(s) for which this Agreement is executed represents and warrants that SBC Telecommunications, Inc. has full power and authority to execute and deliver this Agreement as agent for that SBC owned ILEC. Each of the SBC owned ILEC(s) for which this Agreement is executed represents and warrants that it has full power and authority to perform its obligations hereunder.

47.2 **SPRINT** represents and warrants that it is a Limited Partnership duly organized, validly existing and in good standing under the laws of the State of Delaware and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. **SPRINT** represents and warrants that it has been or will be certified as a LEC by the Commission(s) prior to submitting any orders hereunder and is or will be authorized to provide the Telecommunications

Services contemplated hereunder in the territory contemplated hereunder prior to submission of orders for such Service.

47.3 Each Person whose signature appears below represents and warrants that he or she has authority to bind the Party on whose behalf he or she has executed this Agreement.

48. COUNTERPARTS

48.1 This Agreement may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.

49. ENTIRE AGREEMENT

49.1 **SBC-12STATE**

49.1.1 The terms contained in this Agreement and any Appendices, Attachments, Exhibits, Schedules, and Addenda 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.

49.2 **SNET**

49.2.1 The terms contained in this Agreement and any Appendices, Attachments, Exhibits, Schedules, Addenda, Commission approved tariffs and other documents or instruments referred to herein and incorporated into this Agreement by 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.

49. GENERAL TERMS AND CONDITIONS APPLICABLE TO ATTACHMENT 6: UNBUNDLED NETWORK ELEMENTS (INCLUDING APPENDICES AND EXHIBITS THERETO) MO (M2A); ATTACHMENT 7: ORDERING AND PROVISIONING – UNE MO (M2A); ATTACHMENT 8: MAINTENANCE – UNE MO (M2A); ATTACHMENT 9: CONNECTIVITY BILLING – OTHER MO (M2A); ATTACHMENT 10: PROVISION OF CUSTOMER USAGE DATA -UNE MO (M2A), INCLUDING ASSOCIATED PRICING AND ATTACHMENT 26: LEGITIMATELY RELATED PROVISIONS - MO (M2A)

The following terms and conditions are legitimately related and only apply to Attachment 6: Unbundled Network Elements-MO (M2A) including the following appendices to Attachment 6: Unbundled Network Elements MO (M2A), Appendix Pricing –UNE and Exhibit 1 to Appendix Pricing-UNE MO (M2A); Attachment 7: Ordering And

Provisioning – UNE MO (M2A); Attachment 8: Maintenance – UNE MO (M2A); Attachment 9: Connectivity Billing – Other MO (M2A); Attachment 10: Provision Of Customer Usage Data -UNE MO (M2A); Attachment 26: Legitimately Related Provisions – MO (M2A) and Appendix Pricing (but with respect to the Appendix Pricing, such terms and condition shall only be legitimately related to the UNE rates from the M2A incorporated into the revised Appendix Pricing of this Agreement pursuant to Amendment No. 1, under which CLEC exercised its rights pursuant to Section 252(i) of the Act, to sectionally adopt the above-referenced Attachments from the Missouri 271 Agreement. In the event that any of the legitimately related terms and conditions set forth below conflict with any of the other General Terms and Conditions in this Agreement, the legitimately related terms and conditions set forth below shall control and shall supersede any conflicting terms, but only with respect to Attachment 6: UNE-MO (M2A) including the following appendices to Attachment 6: Appendix Pricing –UNE and Exhibit 1 to Appendix Pricing-UNE MO (M2A); Attachment 7: Ordering And Provisioning – UNE MO (M2A); Attachment 8: Maintenance – UNE MO (M2A); Attachment 9: Connectivity Billing – Other MO (M2A); Attachment 10: Provision Of Customer Usage Data -UNE MO (M2A); Attachment 26: Legitimately Related Provisions - MO (M2A), and Appendix Pricing (but only as to the UNE rates incorporated from the M2A).

2.1 Any CLEC that wants to accept this entire Agreement (after the Missouri Public Service Commission has issued an order finding that this Agreement satisfies the competitive checklist under 47 U. S. C. Section 271(c) and supporting SWBT's application for in-region intraLATA relief for the State of Missouri), shall notify SWBT in writing. Within 5 business days of such notification, SWBT shall present the CLEC with a signed Interconnection Agreement substantively identical to this Agreement. Within 5 business days of receipt of the SWBT signed Interconnection Agreement, the CLEC shall sign the Interconnection Agreement and file it with this Commission. The signed Interconnection Agreement between SWBT and the CLEC shall become effective by operation of law immediately upon filing with the Commission (the "Effective Date").

4.1 This Agreement will become effective as of the Effective Date stated above, and will expire March 6, 2002, unless the Federal Communications Commission (FCC) approves SWBT's application to provide in-region interLATA service in Missouri under 47 U.S.C. § 271 by June 29, 2001, in which event the terms of this Agreement will automatically be extended until March 6, 2005. In the event the FCC approves SWBT's application to provide in-region interLATA service in Missouri under 47 U.S.C. § 271 after June 29, 2001, but prior to March 6, 2002, SWBT shall have the option of extending the Agreement until March 6, 2005. In such event, SWBT will provide notice to the Commission and to CLEC, within five business days of FCC approval, of its agreement to extend the Agreement until March 6, 2005. If either party desires to negotiate a successor agreement to this Agreement, such party must provide the other party with a written request to negotiate such successor agreement (Request to Negotiate) not later than 180 days prior to the expiration of this Agreement. A Request to Negotiate does not

activate the negotiation timeframe set forth in this Agreement, nor does it shorten the life of this Agreement. The noticing Party will delineate the items desired to be negotiated. Not later than 30 days from receipt of said Notice to Negotiate, the receiving Party will notify the sending Party of additional items desired to be negotiated, if any. The Parties will begin negotiations not later than 135 days prior to expiration of this Agreement. If the FCC approves SWBT's application to provide in-region interLATA service in Missouri after June 29, 2001 and SWBT provides notice of its agreement under this Section to extend the Agreement until March 6, 2005 CLEC may withdraw its Request to Negotiate.

4.1.1 This Agreement will not go into effect until the Missouri Public Service Commission has issued an Order finding that this Agreement satisfies the competitive checklist under 47 U.S.C. Section 271(c) and supporting SWBT's application for in-region interLATA relief for the State of Missouri. SWBT's offering of this Agreement and all sections, attachments and offerings therein are expressly conditioned upon the Missouri Public Service Commission's support for SWBT's application for in-region interLATA relief for the State of Missouri. If the Missouri Public Service Commission does not support SWBT's application for in-region interLATA relief for the State of Missouri, then SWBT's offering of this Agreement and all sections, attachments and offerings therein is immediately withdrawn and this Agreement will not go into effect.

4.1.2 Should CLEC opt to incorporate any provision of another interconnection agreement into this Agreement pursuant to Section 252(i) of the Act, such incorporated provision shall expire on the date it would have expired under the interconnection agreement from which it was taken. Should CLEC opt to incorporate any provision of this Agreement into another interconnection agreement pursuant to Section 252(i) of the Act, the provision from this Agreement shall expire on the date provided in Section 4.1 above and shall not control the expiration date of the provisions of the other interconnection agreement.

4.2 If either party has served a Notice to Negotiate pursuant to paragraph 4.1 above then, notwithstanding the expiration of the Agreement in accordance with paragraph 4.1 above, the terms, conditions, and prices of this Agreement will remain in effect for a maximum of 135 days after expiration of the Agreement for completion of said negotiations and any necessary arbitration. The Parties agree to resolve any impasse by submission of the disputed matters to the Missouri PSC for arbitration. Should the Missouri PSC decline jurisdiction, the Parties will resort to a commercial provider of arbitration services.

4.2.1 Pursuant to Sections 18.2 and 18.3, SWBT and CLEC agree not to challenge the lawfulness of any provision of this Agreement. In the event that one of the Parties to this Agreement nonetheless challenges the

lawfulness of any provision of this Agreement in a judicial, dispute resolution, or regulatory proceeding, then the other Party, at its option, may terminate this Agreement immediately. In such event, the Parties shall have a period not to exceed 135 days in which to negotiate, and 135 additional days to arbitrate any disputes for, a replacement interconnection agreement. However, should a non-party successfully challenge the lawfulness of any provision of this Agreement, SWBT and CLEC agree that, despite such challenge, the terms and conditions of this Agreement will continue to apply and be effective between SWBT and CLEC. Nothing in this Section 4.2.1 is intended to imply that pursuit of resolution of disputes concerning a Party's clarifications or interpretations of the provisions of this Agreement, as provided in Sections 18.2 and 18.3, is a challenge to the lawfulness of this Agreement.

18.1 Except as otherwise provided in this Agreement, no amendment or waiver of any provision of this Agreement and no consent to any default under this Agreement will be effective unless the same is in writing and signed by an officer of the Party against whom such amendment, waiver or consent is claimed. In addition, no course of dealing or failure of a Party strictly to enforce any term, right or condition of this Agreement will be construed as a waiver of such term, right, or condition.

18.2 Pursuant to Attachment 6, Section 14.8 of the M2A, which is incorporated herein by this reference, and for the time periods specified in Attachment 6, Section 14 of the M2A, which is incorporated herein by this reference, SWBT expressly waives its right to assert that it need not provide pursuant to the "necessary and impair" standard of FTA Section 251(d)(2) a network element set forth in Attachment 6, Unbundled Network Elements, Sections 3-11 of the M2A, which are incorporated herein by this reference, and/or its rights with regard to the combination of any such network elements that are not already assembled pursuant to the provisions in Attachment 6, Section 14 of the M2A. By entering into this Agreement to obtain the benefits set forth herein in whole or in part, SWBT expressly waives its right to challenge the terms of this Agreement in any judicial, dispute resolution or regulatory proceeding, except that SWBT expressly reserves the right to seek clarification or interpretation of the terms of this Agreement through the dispute resolution process established by the Commission or challenge in any judicial, dispute resolution or regulatory proceeding the interpretation of this agreement or any agreement containing the same or substantively similar language to this Agreement; such right to seek clarification or interpretation or challenge the interpretation also includes the right to appeal the final judicial, dispute resolution or regulatory decision and to continue to pursue pending appeals. When any final decision is rendered by the appellate court, the affected contract provision shall be revised to reflect the result of such appeal except those relating to the prices and other terms and conditions at issue in SWBT vs. Missouri Public Service Commission, et al., Case Nos. 99-3833 and

99-3908 in the United States Court of Appeals for the 8th Circuit. Any dispute between the Parties regarding the manner in which this Agreement should be modified to reflect the affect of the appellate court decision shall be resolved by the Commission. SWBT also expressly reserves the right to contest any order or decision requiring the payment of reciprocal compensation for ISP traffic, including the right to seek refunds or to implement an alternate approach to such reciprocal compensation pursuant to regulatory or judicial approval. Except as provided in this section, SWBT reserves the right to pursue pending appeals and to appeal any other state or federal regulatory decision, but, absent a stay or reversal, will comply with any such final decision. Nothing in this Agreement limits SWBT's right or ability to participate in any proceedings regarding the proper interpretation and/or application of the FTA.

18.3 By entering into this Agreement to obtain the benefits set forth herein in whole or in part, CLEC expressly waives its right to challenge the terms of this Agreement in any judicial, dispute resolution or regulatory proceeding, except that CLEC expressly reserves the right to seek clarification or interpretation of the terms of this Agreement through the dispute resolution process established by the Commission or challenge in any judicial, dispute resolution or regulatory proceeding the interpretation of this agreement or any agreement containing the same or substantially similar language to this agreement; such right to seek clarification or interpretation or challenge the interpretation also includes the right to appeal the final judicial, dispute resolution or regulatory decision and to continue to pursue pending appeals. When a final decision is rendered by the appellate court, the affected contract provision shall be revised to reflect the result of such appeal. Any dispute between the Parties regarding the manner in which this Agreement should be modified to reflect the effect of the appellate court decision shall be resolved by the Commission. CLEC expressly reserves the right to contest any order or decision requiring the payment of reciprocal compensation for ISP traffic, including the right to seek refunds or to implement an alternate approach to such reciprocal compensation pursuant to regulatory or judicial approval. Except as provided in this section, CLEC reserves the right to pursue pending appeals and to appeal any other state or federal regulatory decision, but, absent a stay or reversal, will comply with any such final decision. Nothing in this Agreement limits CLEC's right or ability to participate in any proceedings regarding the proper interpretation and/or application of the FTA.

31.1 Any ruling by the Commission interpreting the same or substantively similar language in another Interconnection Agreement is applicable to the same or substantively similar language in this Agreement.

43.1 Except as otherwise specifically provided in Sections 4.2.1, 18.1, 18.2 and 18.3 of the General Terms & Conditions, if any term, condition or provision of this Agreement is held to be invalid or unenforceable for any reason, such invalidity or unenforceability will not invalidate the entire Agreement, unless such construction

would be unreasonable. The Agreement will be construed as if it did not contain the invalid or unenforceable provision or provisions, and the rights and obligations of each party will be construed and enforced accordingly; provided, however, that in the event such invalid or unenforceable provision or provisions are essential elements of this Agreement and substantially impair the rights or obligations of either Party, the Parties will promptly negotiate a replacement provision or provisions. If impasse is reached, the Parties will resolve said impasse under the dispute resolution procedures set forth in Section 9.5 of the M2A, which is incorporated herein by this reference.

SBC-13STATE Agreement
Signatures

Sprint Communications Company, L.P.

Signature: W. Richard Morris

Name: W. Richard Morris
(Print or Type)

Title: Vice President State External Affai
(Print or Type)

Date: NOV 12 2002

Southwestern Bell Telephone, L.P. d/b/a Southwestern Bell Telephone Company, By SBC Telecommunications, Inc., Its Authorized agent

Signature:

Name: Mike Auinbauh

Title: President - Industry Markets

Date: NOV 20 2002

Missouri

AECN/OCN# 8712
(Facility Based – if applicable)

ATTACHMENT 6: UNBUNDLED NETWORK ELEMENTS

1.0 Introduction

This Attachment 6: Unbundled Network Elements to the Agreement sets forth the unbundled Network Elements that SWBT agrees to offer to CLEC. The specific terms and conditions that apply to the unbundled Network Elements are described below. The price for each Network Element is set forth in Appendix Pricing - Unbundled Network Elements, attached hereto.

2.0 General Terms and Conditions

2.1 SWBT will permit CLEC to designate any point at which it wishes to connect CLEC's facilities or facilities provided by a third party on behalf of CLEC with SWBT's network for access to unbundled Network Elements for the provision by CLEC of a telecommunications service. If the point designated by CLEC is technically feasible, SWBT will make the requested connection.

2.2 CLEC may combine any unbundled Network Element with any other element without restriction. Unbundled Network Elements may not be connected to or combined with SWBT access services or other SWBT tariffed service offerings with the exception of tariffed collocation services. This paragraph does not limit CLEC's ability to purchase services under SWBT's resale tariff while also utilizing the UNE provisions of this agreement to the same end use customer. This paragraph does not limit CLEC's ability to permit IXCs to access ULS for the purpose of originating and/or terminating interLATA and intraLATA access traffic or limit CLEC's ability to originate and/or terminate interLATA or intraLATA calls using ULS consistent with Section 5 of this Attachment. Further, when customized routing is used by CLEC, pursuant to Section 5.2.4 of this Attachment, CLEC may direct local, local operator services, and local directory assistance traffic to dedicated transport whether such transport is purchased through the access tariff or otherwise.

2.3 CLEC may use one or more Network Elements to provide any technically feasible feature, function, or capability that such Network Element(s) may provide.

2.4 SWBT will provide CLEC access to the unbundled Network Elements provided for in this Attachment, including combinations of Network Elements, without restriction except as provided in this Attachment. CLEC is not required to own or control any of its own local exchange facilities before it can purchase or use Unbundled Network Elements to provide a telecommunications service under this Agreement. SWBT will allow CLEC to order each Network Element individually or in combination with any other Network Elements, pursuant to Attachment 7, in order to permit CLEC to combine such Network Elements with other Network Elements obtained from SWBT or with network components provided by itself or by third parties to provide telecommunications services

to its customers, provided that such combination is technically feasible and would not impair the ability of other carriers to obtain access to other unbundled network elements or to interconnect with SWBT's network. Any request by CLEC for SWBT to provide a type of connection between Network Elements that is not currently being utilized in the SWBT network and is not otherwise provided for under this Agreement will be made in accordance with the Special Request process described in Section 2.22.

2.4.1 When CLEC orders unbundled Network Elements in combination, and identifies to SWBT the type of telecommunications service it intends to deliver to its end user customer through that combination (e.g., POTS, ISDN), SWBT will provide the requested elements with all the functionality, and with at least the same quality of performance and operations systems support (ordering, provisioning, maintenance, billing and recording), that SWBT provides through its own network to its local exchange service customers receiving equivalent service, unless CLEC requests a lesser or greater quality of performance through the Special Request process. For example, loop/switch port combinations ordered by CLEC for POTS service will include, without limitation, MLT testing, real time due date assignment, dispatch scheduling, service turn-up without interruption of customer service, and speed and quality of maintenance, at parity with SWBT's delivery of service to its POTS customers served through equivalent SWBT loop and switch ports. Network element combinations provided to CLEC by SWBT will meet all performance criteria and measurements that SWBT achieves when providing equivalent end user service to its local exchange service customers (e.g., POTS, ISDN).

2.5 For each Network Element, to the extent appropriate, SWBT will provide a demarcation point (e.g., an interconnection point at a Digital Signal Cross Connect or Light Guide Cross Connect panels or a Main Distribution Frame) and, if necessary, access to such demarcation point, as the Parties agree is suitable. However, where SWBT provides contiguous Network Elements to CLEC, SWBT may provide the existing interconnections.

2.6 Various subsections below list the Network Elements that SWBT has agreed, subject to the other terms and conditions in this Agreement, to make available to CLEC for the provision by CLEC of a telecommunications service. SWBT will make additional Network Elements available pursuant to the terms of Section 2.22 of this Attachment. The waiver contained in the first sentence of Section 14.8 of this Attachment shall not apply to such additional Network Elements requested by CLEC nor shall it apply to new Network Elements made available by SWBT pursuant to Section 14.5 of this Attachment. Notwithstanding SWBT's ability to challenge the provision of new UNEs pursuant to the "necessary and impair" standards of Section 251(d)(2) of Title 47, United States Code, SWBT agrees, absent a stay or reversal on appeal, to make such new UNEs available under the provisions of Section 14.5.

2.7 Subject to the terms herein, SWBT is responsible only for the installation, operation and maintenance of the Network Elements it provides. SWBT is not otherwise responsible

for the telecommunications services provided by CLEC through the use of those elements.

2.8 Except upon request, SWBT will not separate requested network elements that SWBT currently combines.

2.9 Where unbundled elements provided to CLEC are dedicated to a single end user, if such elements are for any reason disconnected they will be made available to SWBT for future provisioning needs, unless such element is disconnected in error.

2.10 This Section Intentionally Left Blank

2.11 Each Party is solely responsible for the services it provides to its end users and to other Telecommunications Carriers.

2.12 SWBT will provide CLEC reasonable notification of service-affecting activities that may occur in normal operation of SWBT's business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual service specific, but affect many services. No specific advance notification period is applicable to all such service activities. Reasonable notification procedures will be negotiated by SWBT and CLEC.

2.13 The use of the term "purchase" herein notwithstanding, network elements provided to CLEC under the provisions of this Attachment will remain the property of SWBT.

2.14 The elements provided pursuant to this Agreement will be available to SWBT at times mutually agreed upon in order to permit SWBT to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.15 CLEC's use of any SWBT network element, or of its own equipment or facilities in conjunction with any SWBT network element, will not materially interfere with or impair service over any facilities of SWBT, 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, SWBT may discontinue or refuse service if CLEC violates this provision, provided that such termination of service will be limited to CLEC's use of the element(s) causing the violation.

2.16 SWBT and CLEC will negotiate to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters and catastrophic network failures (e.g., interoffice cable cuts and central office power failure)

which affect their telecommunications services. These plans will provide for restoration and disaster recovery for CLEC customers at least equal to what SWBT provides for its customers and will allow CLEC to establish restoration priority among CLEC customers consistent with applicable law.

2.17 Performance of Network Elements

2.17.1 Each Network Element provided by SWBT to CLEC will meet applicable regulatory performance standards and be at least equal in quality and performance as that which SWBT provides to itself. Each Network Element will be provided in accordance with SWBT Technical Publications or other written descriptions. Such publications will be shared with CLEC. CLEC may request, and SWBT will provide, to the extent technically feasible, Network Elements that are superior or lesser in quality than SWBT provides to itself and such service will be requested pursuant to the Special Request process. SWBT shall not impose its own standards for provision services, through Technical Publications or otherwise, without further negotiations by the parties; provided however, that SWBT may make and apply to CLEC, changes to Technical Publications to comply with actions of Missouri or Federal legislative bodies, Courts, or Regulatory Agencies.

2.17.2 SWBT will provide a SWBT Technical Publication or other written description for each Network Element offered under this Agreement. The Technical Publication or other description for an Element will describe the features, functions, and capabilities provided by the Element as of the time the document is provided to CLEC. No specific form for the Technical Publication or description is required, so long as it contains a reasonably complete and specific description of the Element's capabilities. The Technical Publication or other description may be accompanied by reference to vendor equipment and software specifications applicable to the Element.

2.17.3 Nothing in this Agreement will limit either Party's ability to modify its network through the incorporation of new equipment, new software or otherwise. Each Party will provide the other Party written notice of any such upgrades in its network which will materially impact the other Party's service consistent with the timelines established by the FCC in the Second Report and Order, CC Docket 96-98. CLEC will be solely responsible, at its own expense, for the overall design of its telecommunications services and for any redesigning or rearrangement of its telecommunications services which may be required because of changes in facilities, operations or procedure of SWBT, minimum network protection criteria, or operating or maintenance characteristics of the facilities.

2.17.4 Where SWBT is required to provide six or twelve month notice to CLEC pursuant to Section 2.17.3, CLEC may submit a request within thirty (30) days of CLEC's receipt of a notice of planned network modification, to maintain characteristics of affected elements. Where SWBT is permitted to provide less than six months notice, CLEC

may submit such request within ten days of CLEC's receipt of SWBT's notice. To the extent the requested characteristics are specifically provided for in this Attachment, Technical Publication or other written description, SWBT, at its own expense, will be responsible for maintaining the functionality and required characteristics of the elements purchased by CLEC, including any expenses associated with changes in facilities, operations or procedure of SWBT, network protection criteria, or operating or maintenance characteristics of the facilities. To the extent requested characteristics are not specifically provided for therein, CLEC's request will be considered under the Special Request Process and the process will be completed prior to modifying CLEC's affected element.

2.17.5 For elements purchased through the Special Request Process, SWBT, in its discretion, will determine whether it can offer the applicability of the preceding paragraph on a case by case basis.

2.17.6 For each Network Element provided for in this Attachment, SWBT Technical Publications or other written descriptions meeting the requirements of this section will be made available to CLEC not later than thirty (30) days after the Effective Date of this Agreement.

2.17.7 SWBT will provide performance measurements as outlined in Attachment 17 under this Agreement. SWBT will not levy a separate charge for providing this information.

2.18 If one or more of the requirements set forth in this Attachment are in conflict, the Parties will jointly elect which requirement will apply.

2.19 This Section Intentionally Left Blank

2.20 When CLEC purchases unbundled Network Elements to provide interexchange services or exchange access services for intraLATA traffic originated by or terminating to CLEC local service customers, SWBT will not collect access charges from CLEC or other IXCs except for charges for exchange access transport services that an IXC elects to purchase from SWBT.

2.21 CLEC will connect equipment and facilities that are compatible with the SWBT Network Elements and will use Network Elements in accordance with the applicable regulatory standards and requirements referenced in Section 2.17.

2.22 <u>Special Request</u>

The sections below identify unbundled Network Elements and provide terms and conditions on which SWBT will offer them to CLEC: Network Interface device; local loop; loop distribution; loop feeder; digital loop carrier; local switching; tandem switching; interoffice transport, including common transport, and dedicated transport;

signaling and call-related database; operations support systems functions; and cross-connects. Any request by CLEC for an additional unbundled Network Element will be considered under the procedures set forth below. Where facilities and equipment are not available, CLEC may request and, to the extent required by law and as SWBT may otherwise agree, SWBT will provide Network Elements through the Special Request process.

2.22.1 Each Party will promptly consider and analyze access to new unbundled Network Element with the submission of a Network Element Special Request hereunder. The Network Element Special Request process set forth herein does not apply to those services requested pursuant to FCC Report & Order and Notice of Proposed Rulemaking 91-141 (rel. Oct. 19, 1992) paragraph 259 and n. 603 and subsequent rulings.

2.22.2 A Network Element Special Request will be submitted in writing and will include a technical description of each requested Network Element, the date when interconnection is requested and the projected quantity of interconnection points ordered with a demand forecast.

2.22.3 The requesting Party may cancel a Network Element Special Request in a commercially reasonable manner.

2.22.4 Within ten (10) business days of its receipt, the receiving Party will acknowledge receipt of the Network Element Special Request.

2.22.5 Except under extraordinary circumstances, within thirty (30) days of its receipt of a Network Element Special Request, the receiving Party will provide to the requesting Party a preliminary analysis of such Network Element Special Request. The preliminary analysis will confirm that the receiving Party will offer access to the Network Element or will provide a detailed explanation that access to the Network Element is not technically feasible and/or that the request does not qualify as a Network Element that is required to be provided under the Act. If the receiving party does not accept the request within thirty (30) days, the issue may be presented to the Commission in accordance with the Arbitration Order dated December 11, 1996, in Case No. TO-97-40, as follows: the requesting party has twenty (20) days in which to file a petition with the Commission, seeking a determination that the receiving party be required to provide the unbundled element. The receiving party must respond within 20 days of the filing of the petition and demonstrate why it is technically infeasible to provide the UNE or why such provision violates network integrity.

2.22.6 If the receiving Party determines that the Network Element Special Request is technically feasible and otherwise qualifies under the Act, it will promptly proceed with developing the Network Element Special Request upon receipt of written authorization from the requesting Party. When it receives such authorization, the

receiving Party will promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.

2.22.7 Unless the Parties otherwise agree, the Network Element Special Request must be priced in accordance with Section 252(d)(1) of the Act.

2.22.8 As soon as feasible, but not more than sixty (60) days after its receipt of authorization to proceed with developing the Network Element Special Request, the receiving Party shall provide to the requesting Party a Network Element Special Request quote which will include, at a minimum, a description of each Network Element, the availability, the applicable rates and the installation intervals.

2.22.9 Within thirty (30) days of its receipt of the Network Element Special Request quote, the requesting Party must either confirm its order for the Network Element Special Request pursuant to the Network Element Special Request quote or seek arbitration by the Commission pursuant to Section 252 of the Act.

2.22.10 If a Party to a Network Element Special Request believes that the other Party is not requesting, negotiating or processing the Network Element Special Request in good faith, or disputes a determination, or price or cost quote, such Party may seek mediation or arbitration by the Commission pursuant to Section 252 of the Act.

2.22.11 Whenever CLEC requests to purchase a particular SWBT Network Element that is operational at the time of the request but for which no unbundled Network Element price has been established or agreed by the Parties, CLEC's request will be considered as follows: SWBT will provide a price quote for the Element, consistent with the Act, within twenty (20) days following SWBT's receipt of CLEC's request. If the Parties have not agreed on a price for the Element within ten (10) days following CLEC's receipt of the price quote, either Party may submit the matter for Dispute Resolution as provided for in the General Terms and Conditions of this Agreement.

3.0 Network Interface Device

3.1 The Network Interface Device (NID) is a cross-connect used to connect loop facilities to inside wiring. The fundamental function of the NID is to establish the official network demarcation point between a carrier and its end user customer. The NID contains the appropriate and accessible connection points or posts to which the service provider and the end user customer each make its connections.

3.2 CLEC personnel may connect to the customer's inside wire at the SWBT NID, as is, at no charge. Should CLEC request SWBT to disconnect its loop from the customer's inside wire, SWBT will charge CLEC a non recurring charge as reflected on Appendix Pricing UNE - Schedule of Prices labeled as "Disconnect Loop from Inside Wiring per NID". Any repairs, upgrades and rearrangements (other than loop disconnection addressed in the

preceding sentence) required by CLEC will be performed by SWBT based on Time and Materials charges as reflected on Appendix Pricing UNE - Schedule of Prices labeled "Time and Materials Charges".

3.3 To the extent a SWBT NID exists, it will be the interface to customers' premises wiring unless CLEC and the customer agree to an interface that bypasses the SWBT NID.

3.4 CLEC will provide its own NID and will interface to the customer's premises wiring through connections in the customer chamber, if available, of the SWBT NID, unless CLEC and the customer agree to an alternate interface as provided for in Section 3.3.

3.5 With respect to multiple dwelling units or multiple-unit business premises, CLEC will provide its own NID, will connect directly with the customer's inside wire and will not require any connection to the SWBT NID, unless such premises are served by "single subscriber" type NIDs.

3.6 The SWBT NIDs that CLEC uses under this Attachment will be those installed by SWBT to serve its customers.

3.7 CLEC will not attach to or disconnect SWBT's ground. CLEC will not cut or disconnect SWBT's loop from its protector. CLEC will not cut any other leads in the NID. CLEC will protect all disconnected leads with plastic sleeves and will store them within the NID enclosure. CLEC will tighten all screws or lugs loosened by CLEC in the NID's enclosure and replace all protective covers.

4.0 Local Loop

4.1 Definition: A "loop" is a dedicated transmission facility between a distribution frame (or its equivalent) in a SWBT central office and an end user customer premises.

4.2 SWBT will provide at the rates, terms, and conditions set out in Appendix Pricing UNE - Schedule of Prices the types of unbundled loops in Sections 4.2.1 through 4.2.4. When CLEC orders an unbundled loop, CLEC will be provided a termination on whatever NID, if any, connects the loop to the customer premises, without additional charge.

4.2.1 The 2-Wire analog loop supports analog voice frequency, voice band services with loop start signaling within the frequency spectrum of approximately 300 Hz and 3000 Hz.

4.2.1.1 SWBT will offer 5 dB conditioning on a 2-wire analog loop as the standard conditioning option available.

4.2.2 The 4-Wire analog loop provides a non-signaling voice band frequency spectrum of approximately 300 Hz to 3000 Hz. The 4-Wire analog loop provides separate transmit and receive paths.

4.2.3 The 2-Wire digital loop 160 Kbps supports Basic Rate ISDN (BRI) digital exchange services. The 2-Wire digital loop 160 Kbps supports usable bandwidth up to 160 Kbps.

4.2.4 The 4-Wire digital loop 1.544 Mbps loop will support DS1 service including Primary Rate ISDN (PRI). The 4-wire digital loop 1.544 Mbps supports usable bandwidth up to 1.544 Mbps.

4.2.5 Nothing in the loop definitions provided above is intended to limit a CLEC from using UNE loops to transmit signals in the ranges as specified in Attachment DSL-MO, which forms a part of this Agreement. SWBT agrees to provide CLEC with access to UNEs for providing advanced services in accordance with the terms of Attachment DSL-MO and the general terms and conditions applicable to UNEs (sections 2.0 - 2.22.11, *supra*).

4.3 CLEC may request and, to the extent technically feasible, SWBT will provide additional loop types and conditioning, including, without limitation, loops capable of carrying DS3 signals, pursuant to the Special Request process. The availability of a loop type, *e.g.*, DS3 loop, through the Special Request process does not limit the availability to CLEC of equivalent functionality through the dedicated transport entrance facilities that are available to CLEC and priced under this Agreement, *e.g.*, DS3 Entrance Facility.

4.4 When CLEC owns or manages its own switch and requests an unbundled Loop to be terminated on CLEC's switch and the requested loop is currently serviced by SWBT's Integrated Digital Loop Carrier (IDLC) or Remote Switching technology, SWBT will, where available, move the requested unbundled Loop to a spare, existing physical or a universal digital loop carrier unbundled Loop at no additional charge to CLEC. If, however, no spare unbundled Loop is available, SWBT will within forty-eight (48) hours, excluding weekends and holidays, of CLEC's request notify CLEC of the lack of available facilities. CLEC may request alternative arrangements through the Special Request process. This section does not apply when CLEC orders a Loop/Switch port combination from SWBT.

4.5 In addition to any liability provisions in this agreement, SWBT does not guarantee or make any warranty with respect to unbundled loops or entrance facilities when used in an explosive atmosphere. CLEC will indemnify, defend and hold SWBT harmless from any and all claims by any person relating to CLEC's or CLEC end user's use of unbundled loops in an explosive atmosphere, excluding claims of gross negligence or willful or intentional conduct by SWBT.

4.6 Subloop Elements

SWBT will provide subloop elements as unbundled network elements in the following manner.

4.6.1 Distribution: SWBT will offer as an unbundled element the segment of the local loop extending between a remote terminal (RT) site (located in a hut, CEV, or cabinet) and the end user premises. Loop distribution will be provided for each of the unbundled loop types described in Sections 4.2.1 through 4.2.4 preceding. Loop distribution is only available where digital loop carrier exists in the loop route. SWBT is not required to offer the segment of the loop between a Feeder Distribution Interface (FDI) and the RT site, or the FDI and the end user premises, as a separate unbundled network element.

4.6.1.1 When CLEC purchases the subloop element called loop distribution, CLEC will pay the charges shown on Appendix Pricing UNE - Schedule of Prices labeled "Subloop Distribution".

4.6.2 Feeder: in the feeder segment of the loop, only the dark fiber and the 4-wire copper cable that is conditioned for DS-1 must be offered as unbundled network elements. SWBT must provide dark fiber in the feeder segment of the loop as an unbundled network element under the following conditions: SWBT will offer its dark fiber to CLEC but may offer it pursuant to agreements that would permit revocation of CLEC's right to use the dark fiber upon twelve (12) months' notice by SWBT. The parties will develop a standardized form for leasing interoffice dark fiber and dark fiber feeder within 10 days after CLEC's initial request for dark fiber. Thereafter, within 30 days from its receipt of an CLEC request for dark fiber feeder, SWBT either will grant the request and issue an appropriate lease or deny the request and provide CLEC with a written explanation demonstrating SWBT's need to use the specific fiber requested by CLEC within the twelve month period following CLEC's request. To exercise its right of revocation, SWBT will demonstrate that the subject dark fiber is needed to meet SWBT's bandwidth requirements or the bandwidth requirements of another LSP. An LSP, including CLEC, may not, in a twenty-four (24) month period, lease more than 25% of SWBT's excess dark fiber capacity in a particular feeder segment. If SWBT can demonstrate within a twelve (12) month period after the date of a dark fiber lease that the LSP is using the leased dark fiber capacity at a level of transmission less than OC-12 (622.08 million bits per second), SWBT may revoke the lease agreement with an LSP and provide the LSP a reasonable and sufficient alternative means of transporting the traffic. SWBT will provide CLEC physical access to, and the right to connect to, the feeder provided under this section in a remote terminal site which may include cabinets, huts, or vaults as appropriate, as further specified in the lease for that segment and consistent with the collocation provisions of this Agreement and any applicable collocation tariffs. Consistent with the definition of loop feeder, dark fiber or 4 wire DS1 will be terminated in the central

office on a main distribution frame or its equivalent and will be terminated on an appropriate termination panel at a remote terminal site.

4.6.2.1 When CLEC purchases dark fiber in the feeder segment of the loop, CLEC will pay the charges shown on Appendix Pricing UNE - Schedule of Prices labeled "Dark Fiber" under the heading "Subloop - Feeder".

4.6.2.2 When CLEC purchases 4-Wire Copper cable that is conditioned for DS1 in the feeder segment of the loop, CLEC will pay the charges shown on Appendix Pricing UNE - Schedule of Prices labeled "DS1 4-Wire Copper" under the heading "Subloop - Feeder".

4.6.3 Digital Loop Carrier: the DLC will be offered as an unbundled network element but SWBT is not required to offer further unbundling of the DLC. DLC will be offered as an unbundled element on a case by case basis through the Special Request Process.

5.0 Local Switching

5.1 Definition: The local switching element encompasses line-side and trunk side facilities plus the features, functions and capabilities of the switch. The line side facilities include the connection between a loop termination at, for example, a main distribution frame (MDF), and a switch line card. Trunk-side facilities include the connection between, for example, trunk termination at a trunk-side cross-connect panel and a trunk card. The local switching element includes all features, functions, and capabilities of the local switch, including but not limited to the basic switching function of connecting lines to lines, lines to trunks, trunks to lines and trunks to trunks. It also includes the same basic capabilities that are available to SWBT customers, such as a telephone number, dial tone, signaling and access to 911, access to operator services, access to directory assistance, and features and functions necessary to provide services required by law. In addition, the local switching element includes all vertical features that the switch is capable of providing, including custom calling, CLASS features, and Centrex-like capabilities as well as any technically feasible customized routing, blocking/screening, and recording functions.

5.1.1 The local switching element also includes access to all call origination and completion capabilities (including intraLATA and interLATA calls), and CLEC is entitled to all revenues associated with its use of those capabilities, including access and toll revenues. SWBT will provide CLEC with recordings which will permit it to collect all access or toll revenues associated with the use of the local switching element.

5.2 Technical Requirements

5.2.1 SWBT will provide the local switching element so that the dialing plan associated with the port will be equal to the dialing plan established in the office for SWBT's own customers. When the established dialing plan calls for 10 digit dialing, it will apply equally to Unbundled Local Switching purchased by CLEC.

5.2.2 Except as required to fulfill CLEC requests for customized routing, SWBT's Local Switching element will route local calls on SWBT's common network (i.e., Common Transport) to the appropriate trunk or lines for call origination transport according to the same criteria that SWBT applies to its own calls.

5.2.3 SWBT should route all local operator services and directory assistance calls to a single destination designated by CLEC where technically feasible.

5.2.3.1 Subject to the above, SWBT will provide Customized Routing with Unbundled Local Switching or Resale only according to the following conditions: Customized Routing will only be permitted on a class of call basis (i.e., all Directory Assistance Calls and/or all Operator Services calls (or all local calls for Unbundled Local Switching only) must be routed to the same dedicated facility.) CLEC may request additional types of Customized Routing for local calls through the Special Request Process.

5.2.3.2 Permanent prices for AIN Customized Routing are found in Appendix Pricing UNE – Schedule of Prices. The AIN Customized Routing prices also will apply to Customized Routing in any Missouri local switches that are not AIN compatible, and SWBT will supply Customized Routing for these switches through the Line Class Code method or other method agreed upon by the parties.

5.2.3.3 Intentionally left blank

5.2.3.4 For particular customer serving arrangements in which Customized Routing is not available through AIN, if CLEC requests Customized Routing of OS/DA calls by the Line Class Code method (LCC), CLEC will pay rates to be established by future negotiation or arbitration. If CLEC does not so request, Customized Routing will be unavailable and the customer's operator services and directory assistance calls will be routed to the SWBT OS/DA platform as defined in Attachment 22 DA-Fac and Attachment 23 OS-Fac. CLEC will pay appropriate OS/DA charges for SWBT to properly handle such calls to SWBT's OS/DA platform found in Attachment 22 DA-Fac and Attachment 23 OS-Fac. The particular customer serving arrangements in which customized routing is not available through AIN consist of the following: end user service with voice activated dial served out of a 5ESS switch; coin services where SWBT's network

rather than the telephone provides the signaling; hotel/motel services; and certain CENTREX-like services with features that are incompatible with AIN.

5.2.4 Customized Routing of CLEC Directory Assistance and Operator Services; Call Blocking/Screening

5.2.4.1 Where CLEC purchases Unbundled Local Switching or Resale and elects to provide Directory Assistance and Operator Services to its customers through its own Directory Assistance and Operator Services platforms, SWBT will provide the functionality and features required to route calls from CLEC customers for Directory Assistance and Operator Services to CLEC designated trunks for the provision of CLEC Directory Assistance and Operator Services, in accordance with this Attachment.

5.2.4.2 SWBT agrees to provide CLEC the AIN solution for customized routing in each of its end offices.

5.2.4.2.1 SWBT will provide to CLEC the functionality of blocking calls (e.g., 900, international calls (IDDD) and toll calls) by line or trunk to the extent that SWBT provides such blocking capabilities to its customers and to the extent required by law. In those end offices where AIN is deployed, there will be no additional charge for blocking/screening for the above listed standard blocking/screening capabilities.

5.2.4.2.2 When CLEC uses unbundled local switching and requests blocking/screening for one of those particular customer serving arrangements that are not AIN compatible, SWBT will provide blocking/screening via special line class codes at rates to be negotiated by the Parties. The particular customer serving arrangements consist of the following: end user service with voice activated dial served out of a 5ESS switch; coin services where SWBT's network rather than the telephone provides the signaling; hotel/motel services; and certain CENTREX-like services with features that are incompatible with AIN.

5.2.4.3 SWBT has deployed customized routing via AIN technology. SWBT will provide Customized Routing via LCC technology at the request of CLEC. In the event a CLEC specifically requests an LCC in any local switch where AIN is implemented, SWBT shall provide a forward-looking cost estimate to the CLEC through the Special Request Process, provided that such LCC needs to be developed to accommodate the CLEC's customized routing requirement or calling scope. CLEC will pay the costs for implementing the request, provided that, if CLEC does not agree with SWBT's proposed charges for LCC customized routing, SWBT will submit its costs and proposed prices to the Commission for approval in accordance with TELRIC requirements, and CLEC will only be required to pay the prices approved by the Commission. If a CLEC requests an

LCC in a switch where that LCC is already implemented and used by SWBT, no charge as related to development of such LCC applies.

5.2.4.4 SWBT will make available to CLEC the ability to route all local Directory Assistance and Operator Services calls (e.g., 1+411, 0-, and 0+ seven or ten digit local, 1+HNPA+555-1212) dialed by CLEC Customers to the CLEC Directory Assistance and Operator Services platform. Customized Routing will not be used in a manner to circumvent the inter or intraLATA PIC process directed by the FCC. To the extent that intraLATA calls are routed to CLEC OS and DA platforms, CLEC may complete such calls and receive the associated revenue.

5.2.4.5 SWBT will provide the functionality and features within its local switch (LS) to route CLEC customer-dialed Directory Assistance local calls to CLEC. (Designated trunks via Feature Group C signaling, or as the Parties may otherwise agree, for direct-dialed calls (i.e., sent paid).)

5.2.4.6 SWBT will provide the functionality and features within its LS to route CLEC dialed 0/0+ local calls to CLEC. (Designated trunks via operator services Feature Group C signaling.)

5.2.4.7 Intentionally left blank

5.2.4.8 Intentionally left blank

5.2.4.9 Direct routing capabilities described herein will permit CLEC customers to dial the same telephone numbers for CLEC Directory Assistance and Operator Services that similarly-situated SWBT customers dial for reaching equivalent SWBT services.

5.2.4.10 SWBT, no later than five (5) days after the date CLEC requests the same, will provide to CLEC the emergency public agency (e.g., police, fire, ambulance) telephone numbers used by SWBT in each NPA-NXX. Such data will be transmitted via paper copies of all SWBT emergency listings reference documents from all of SWBT's Operator Services offices. CLEC agrees to indemnify and hold SWBT harmless from all claims, demands, suits or actions by third parties against SWBT, or jointly against CLEC and SWBT, arising out of its provision of such information to CLEC.

5.2.5 SWBT will provide the Local Switching element only with standard central office treatments (e.g., busy tones, vacant codes, fast busy, etc.), supervision and announcements.

5.2.6 SWBT will perform testing through the Local Switching element for CLEC customers in the same manner and frequency that it performs such testing for its own customers for an equivalent service.

5.2.7 SWBT will repair and restore any SWBT equipment or any other maintainable component that may adversely impact Local Switching.

5.2.8 SWBT will control congestion points such as those caused by radio station call-ins, and network routing abnormalities, using capabilities such as Automatic Call Gapping, Automatic Code Gapping, Automatic Congestion Control, and Network Routing Overflow. CLEC agrees to respond to SWBT's notifications regarding network congestion.

5.2.9 SWBT will perform, according to its own procedures and applicable law, manual traps as requested by designated CLEC personnel (Attachment 16: Network Security) and permit customer originated call trace (Attachment 1: Resale, Appendix Services/Pricing). CLEC will obtain all necessary legal authorization for the call trace.

5.2.10 SWBT will record billable events, where technically feasible, and send the appropriate billing data to CLEC as outlined in Attachments 9 and 10.

5.2.11 SWBT will provide switch interfaces to adjuncts in the same manner it provides them to itself. CLEC requests for use of SWBT adjuncts will be handled through the Special Request process.

5.2.12 SWBT will provide Usage Data and trouble history regarding a customer line, upon CLEC's request as provided in Attachment: 8 and Attachment: 10.

5.2.13 SWBT will allow CLEC to designate the features and functions that are activated on a particular unbundled switch port to the extent such features and functions are available or as may be requested by the Special Request process. When CLEC purchases Unbundled Local Switching (ULS), SWBT will provide CLEC the vertical features that the switch is equipped to provide.

5.3 Interface Requirements:

5.3.1 Unbundled Local Switching (ULS) Port includes the central office switch hardware and software required to permit the transport or receipt of information over the SWBT local switching network or other interconnected networks. The ULS Port provides access to all features, functions and capabilities of the local switch. The ULS Port charge includes the charges for cross connect to the main distribution frame or DSX panel. SWBT will provide the following switch ports:

5.3.1.1 Analog Line Port: A line side switch connection available in either a loop or ground start signaling configuration used primarily for switched voice communications including centrex-like applications. When CLEC orders a Loop/Switch combination in which the loop is served by IDLC, CLEC will pay the applicable loop charge and an Analog Line Port charge.

5.3.1.2 Analog (DID) Trunk Port: A trunk side switch connection used for voice communications via customer premises equipment primarily provided by a Private Branch Exchange (PBX) switch.

5.3.1.3 DS1 Trunk Port: A digital trunk side switch connection that provides the equivalent of 24 paths used primarily for voice communications via customer premises equipment provided by a PBX switch (4 wire).

5.3.1.4 ISDN Basic Rate Interface (BRI) Port: A line side switch connection which provides ISDN Basic Rate Interface (BRI) based capabilities including centrex-like applications. When CLEC orders a Loop/Switch combination in which the loop is served by IDLC, CLEC will pay the applicable loop charge and a BRI Port charge.

5.3.1.5 ISDN Primary Rate Interface (PRI) Port: switch connection which provides Primary Rate Interface (PRI) ISDN Exchange Service capabilities. Analog line port numbers (POTS) that are requested to be routed to this PRI trunk side port will be priced separately. The price for accomplishing this function is contained in Appendix Pricing UNE Schedule of Prices under "DS1 Digital Trunk Port" and labeled "Regular Numbers."

5.3.1.6 Input/Output (I/O) Port: Provides access to the switch for a variety of functions including but not limited to voice mail functions (e.g., SMDI Port). CLEC must have access to full functionality of the switch including but not limited to voice mail functions. The cost of a feature-specific I/O port is already included in the feature hardware additive applied in SCIS/IN. Any other I/O ports necessary shall be priced through the Special Request Process. This means that CLEC does not pay an additional amount for an SMDI ("voice mail") port, or for the input/output port that provides report generation for PBX customers.

5.3.1.7 When CLEC purchases switch ports, the applicable prices contained on Appendix Pricing UNE - Schedule of Prices and labeled "Port Charge per month" will apply. In addition, applicable usage sensitive charges are found in Appendix Pricing UNE - Schedule of Prices labeled "Local Switching".

5.3.1.8 This Section Intentionally Left Blank

5.3.1.9 CLEC may request additional port types from SWBT through the Special Request process.

6.0 Tandem Switching

6.1 Definition: Tandem Switching is defined as: (1) trunk-connect facilities, including but not limited to the connection between trunk termination at a cross-connect panel and a switch trunk card, (2) the basic switching function of connecting trunks to trunks; and (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.

6.1.1 When CLEC uses Tandem Switching, SWBT will charge the price shown on Appendix Pricing UNE - Schedule of Prices labeled "Tandem Switching", subject to the Blended Transport provisions of Section 5.2.2.1.1.1 of Appendix Pricing UNE. No port charge applies with Tandem Switching.

6.2 Technical Requirements

6.2.1 Tandem Switching will provide trunk to trunk connections for local calls between two end offices including two offices belonging to different CLECs (e.g., between an CLEC end office and the end office of another CLEC).

6.2.2 To the extent all signaling is SS7, Tandem Switching will preserve CLASS/LASS features and Caller ID as traffic is processed. Additional signaling information and requirements are provided in Section 9.

6.2.3 SWBT will perform testing through the Tandem Switching element for CLEC in the same manner and frequency that it performs such testing for itself.

6.2.4 To the extent that SWBT manages congestion from the Tandem Switching element for itself, it will control congestion points such as those caused by radio station call-ins, and network routing abnormalities, using capabilities such as Automatic Call Gapping, Automatic Code Gapping, Automatic Congestion Control, and Network Routing Overflow. CLEC agrees to respond to SWBT's notifications regarding network congestion.

6.2.5 Where SWBT provides the Local Switching Network element and the Tandem Switching Network element to CLEC from a single switch, both Local Switching and Tandem Switching will provide all of the functionality required of each of these Network Elements in this Agreement.

7.0 Intentionally left blank

8.0 Interoffice Transport

The Interoffice Transport network element is defined as SWBT interoffice transmission facilities dedicated to a particular customer or carrier, or shared by more than one customer or carrier, that provide telecommunications between wire centers owned by SWBT or CLEC or third parties acting on behalf of CLEC, or between switches owned by SWBT or CLEC or third parties acting on behalf of CLEC. Interoffice Transport includes Common Transport and Dedicated Transport.

8.1 Common Transport

8.1.1 Definition: Common Transport is a shared interoffice transmission path between SWBT switches. Common Transport will permit CLEC to connect its Local Switching element with Common Transport to transport the local call dialed by the Local Switching element to its destination through the use of SWBT's common transport network. Common Transport will also permit CLEC to utilize SWBT's common network between a SWBT tandem and a SWBT end office.

8.1.2 SWBT will be responsible for the engineering, provisioning, and maintenance of the underlying equipment and facilities that are used to provide Common Transport.

8.1.3 When CLEC purchases unbundled Local Switching, SWBT will charge the price shown on Appendix Pricing UNE - Schedule of Prices labeled "Common Transport" when such facilities are used on an interoffice call subject to Section 5.2.2.

8.2 Dedicated Transport

8.2.1 Dedicated Transport is an interoffice transmission path dedicated to a particular customer or carrier that provides telecommunications between wire centers owned by SWBT or CLEC or third parties acting on behalf of CLEC, or between switches owned by SWBT or CLEC or third parties acting on behalf of CLEC. Dedicated Transport includes interoffice dark fiber and Digital Cross-connect System (DCS) functionality as specified below. The price for dedicated transport is found in Appendix Pricing - UNE Schedule of Prices labeled "Interoffice Transport." Entrance facility rates are found in Appendix Pricing - UNE Schedule of Prices, labeled "Dedicated Transport, Entrance Facilities". Entrance facility rates apply in all cases in which unbundled dedicated transport is not being cabled through an existing collocation arrangement, whether physical or virtual. The parties agree that when CLEC collocates in SWBT central offices, and SWBT is not providing the connection between the SWBT central office and the CLEC premises (*i.e.*, the entrance facility), the "Dedicated Transport, Entrance Facilities" rate element would not apply. In this instance, CLEC provides the transmission facility between its premises and the SWBT premises and SWBT applies the unbundled Dedicated Transport interoffice rate elements for transport between SWBT offices, and the appropriate Collocation

Interconnection Arrangement would apply. When SWBT provides the transmission facility (*i.e.*, the entrance facility) between the CLEC premises and the SWBT central office, the entrance facility rate element would apply for such entrance facility in addition to any interconnection arrangement to connect the entrance facility to CLEC collocation space.

8.2.1.1 SWBT will offer Dedicated Transport as a circuit (e.g., DS1, DS3) dedicated to CLEC.

8.2.1.2 SWBT will offer Dedicated Transport using then-existing infrastructure facilities and equipment. To the extent facilities and equipment are not presently available, CLEC may request them pursuant to the Special Request process.

8.2.1.3 SWBT will provide Dedicated Transport at the following speeds: Voice Grade (VG) (analog), DS1(1.544 Mbps), DS3(45 Mbps), OC3(155.520 Mbps) and OC12(622.080 Mbps). In addition, SWBT offers OC48(2488.320 Mbps) bandwidth as an option for interoffice capacity. CLEC may request other interface options pursuant to the Special Request process.

8.2.1.4 Dedicated Transport elements are provided over such routes as SWBT may elect in its own discretion. If CLEC requests special routing of Dedicated Transport, SWBT will respond to such requests under the Special Request process.

8.2.1.5 Multiplexing/demultiplexing allows the conversion of higher capacity facilities to lower capacity facilities and vice versa.

8.2.1.5.1 SWBT will provide all technically feasible types of multiplexing/ demultiplexing, including optical multiplexing on an unbundled basis. However, if there are no cost studies filed for specific bandwidth of optical multiplexing a mutually agreeable rate for such equipment may be established through the special request process.

8.2.1.5.2 When CLEC requests stand-alone electronic multiplexing, it will pay rates and charges for Voice Grade to DS1 and DS1 to DS3 multiplexing and demultiplexing that are in addition to Dedicated Transport rates and charges. These charges are shown in Appendix Pricing - UNE - Schedule of Prices labeled "Multiplexing". Otherwise, electronic multiplexing used by SWBT in providing Dedicated Transport to CLEC is included in the Dedicated Transport rates and charges. CLEC may purchase stand-alone multiplexing without also purchasing dedicated transport elements. The multiplexing/demultiplexing and grooming associated with optical transport is included in the optical interoffice Dedicated Transport price. Stand-alone use of optical multiplexing may be requested through the Special Request process.

8.2.1.5.3 CLEC will use multiplexing/demultiplexing when connecting a DS1 or greater bandwidth Dedicated Transport element to a SWBT analog loop.

8.2.2 Interoffice Dark Fiber

8.2.2.1 SWBT will provide dark fiber in the dedicated interoffice transport segment of the network as an unbundled network element under the following conditions: SWBT will offer its dark fiber to CLEC when CLEC has collocation space in a SWBT tandem or end office, but may offer it pursuant to agreements that would permit revocation of CLEC's right to use the dark fiber upon twelve (12) months' notice by SWBT. The parties will develop a standardized form for leasing interoffice dark fiber and dark fiber feeder within 10 days after CLEC's initial request for dark fiber. Thereafter, within 30 days from receipt of an CLEC request for interoffice dark fiber, SWBT either will grant the request and issue an appropriate lease or deny the request and provide CLEC with a written explanation demonstrating SWBT's need to use the specific fiber requested by CLEC within the twelve month period following CLEC's request. To exercise its right of revocation, SWBT must demonstrate that the subject dark fiber is needed to meet SWBT's bandwidth requirements or the bandwidth requirements of another LSP. An LSP may not, in twenty-four (24) month period, lease more than 25% of SWBT's excess dark fiber capacity in a particular dedicated interoffice transport segment. If SWBT can demonstrate within a twelve (12) month period after the date of a dark fiber lease that CLEC is using the leased dark fiber capacity at a level of transmission less than OC-12 (622.08 million bits per second), SWBT may revoke the lease agreement with CLEC and provide CLEC with sufficient alternative means of transporting the traffic. SWBT will provide CLEC with the ability to connect to interoffice dark fiber. In each SWBT tandem or end office that serves as the point of termination for each interoffice dark fiber segment, SWBT will provide CLEC an appropriate termination point on a distribution frame or its equivalent. In addition, SWBT will provide connectivity to its dark fiber in any facility where it has an existing termination point or a patch panel.

8.2.2.2 CLEC may test the quality of the Interoffice Dark Fiber to confirm its usability and performance specifications.

8.2.2.3 SWBT will provide to CLEC information regarding the location, availability, and loss characteristics of Interoffice Dark Fiber within ten (10) business days after receiving a request from CLEC.

8.2.2.4 When CLEC purchases Interoffice Dark Fiber, CLEC will pay the charges shown on Appendix Pricing UNE - Schedule of Prices labeled "Dark Fiber - Interoffice".

8.2.3 Technical Requirements For All Dedicated Transport

This Section sets forth technical requirements for all Dedicated Transport.

8.2.3.1 When provided by SWBT to itself or when requested by CLEC pursuant to the Special Request process, and when technically feasible, Dedicated Transport will 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.

8.2.4 Digital Cross-Connect System (DCS)

8.2.4.1 SWBT will offer Digital Cross-Connect System (DCS) as part of the unbundled dedicated transport element with the same functionality that is offered to interexchange carriers, or additional functionality as the Parties may agree.

8.2.4.1.1 When CLEC specifically orders the DCS, the applicable prices described in the paragraphs below and contained on Appendix Pricing - UNE - Schedule of Prices and labeled "Digital Cross Connect Systems" will apply.

8.2.4.1.1.1 DCS Port Charge - A DCS rate per month applies per port requested. The three types of port configurations are as follows:

DS0 channel port termination.
DS1 channel port termination.
DS3 channel port termination.

8.2.4.1.1.2 DCS Establishment Charge - This charge applies for the initial setup of the CLEC database. The database setup is a grid, built by SWBT, that contains all of the unbundled dedicated transport circuits (loops and/or interoffice facilites) that CLEC will be able to control and reconfigure. Security, as well as circuit inventory, is built into the grid, permitting CLEC to control its own circuits. Also included is initial training on the system.

8.2.4.1.1.3 Database Modification Charge - This charge applies each time CLEC requests a modification of its database. A modification can be an addition or deletion of circuits terminating on a DCS, or a rearrangement of the database.

8.2.4.1.1.4 Reconfiguration Charge - This charge applies per termination point per DCS each time the routing of CLEC circuit is changed. As an example, if CLEC has a circuit routing from its location "A" through two DCS offices to its location "B" and wants to reconfigure this circuit so that it is routed from "A" through two different DCS offices to location "C", four reconfiguration charges would apply.

Two charges would apply for disconnecting from the original DCS offices and two charges would apply for connecting at the new DCS offices.

8.2.4.2 The DCS is a central office cross-connect system for the remote reconfiguration of Dedicated Transport facilities.

8.2.4.3 CLEC may utilize the DCS Dedicated Transport element through the use of a terminal on CLEC premises to access a database maintained by SWBT to reconfigure CLEC's Dedicated Transport facilities.

8.2.4.4 CLEC may use the DCS to directly access and control CLEC's 45 Mbps or 1.544Mbps facilities or unbundled Dedicated Transport, subtending channels, and Internodal Facilities (the facilities that connect a DCS in one central office with a DCS in another central office). DCS devices will perform 3/3, 3/1, and 1/0 type functions.

8.2.4.5 CLEC will remotely access the DCS by using a terminal on CLEC's premises in conjunction with CLEC's facilities or SWBT Unbundled Loops or Dedicated Transport elements (Entrance Facility and/or I/O Transport), or in conjunction with a local telephone line with a seven digit telephone number.

8.2.4.6 SWBT will make DCS available at those hubs where SWBT cross-connect systems are located. SWBT will provide a list of those hubs to CLEC.

8.2.4.7 SWBT will make two DCS options available to CLEC: On-demand; and Reservation. The on-demand option allows CLEC to make immediate changes to the network, while the reservation option allows CLEC to execute a change at a specified time designated by CLEC.

8.2.4.8 CLEC may use DCS to perform the following functions:

8.2.4.8.1 **Routing/Rerouting**_- The routing feature allows CLEC to select the routes that will be used to connect circuits between DCSs. CLEC may control the route selection process by various parameters according to CLEC's needs. CLEC may also reroute circuits from a failed internodal facility to a working one.

8.2.4.8.2 **Renaming**-CLEC may rename its network locations, circuits, and facilities.

8.2.4.8.3 **Special Day Definition**_- CLEC may specify circuit reconfiguration on special days, e.g., payday, holidays.

8.2.4.8.4 **Resource Verification**_- CLEC may verify the resource availability for the reservation period in its reconfiguration request prior to the system's confirmation or denial of the request.

8.2.4.8.5 **Transaction Log** - CLEC is provided database log that contains every transaction involving reconfigurations.

8.2.4.8.6 **Compatibility Table** - CLEC may view the allowable access line combinations that can be used with the DCS.

8.2.4.8.7 **Path Priority** - CLEC may arrange its circuit paths in order of priority when multiple routes exist.

8.2.4.8.8 **Reservation Summary Screen** - CLEC may view the status of its reconfiguration reservations.

8.2.4.8.9 **MACRO Command/Network Modeling** - CLEC may initiate with one command, multiple two-point cross-connections. CLEC can build separate network models, such as day-time models, night-time models, and disaster recovery models and invoke their activation or switch from one to the other.

8.2.4.8.10 **Variable Bandwidth** - On Internodal Facilities, CLEC may use the variable bandwidth feature interchangeably to connect full STS1 (where available), 45Mbps or 1.544Mbps circuits, or to connect one or more individual subtending channels.

8.2.4.9 Technical Specifications

8.2.4.9.1 CLEC will only cross-connect with DCS that have identical technical characteristics for compatibility and proper operations, e.g., Data to Data, Voice to Voice.

8.2.4.9.2 DCS functionality includes wiring or other cabling from the DCS device to a distribution frame or its equivalent.

9.0 Signaling Networks and Call-Related and other Databases

Signaling Networks and Call-Related Databases is the Network Element that includes Signaling Link Transport, Signaling Transfer Points, and Service Control Points and Call-Related Databases. SWBT will provide nondiscriminatory access to databases and associated signaling pursuant to this Agreement.

9.1 Signaling Link Transport

9.1.1 Definition: Signaling Link Transport is a set of multiples of two (A-links) or four (B- or D-links) dedicated full duplex mode 56 Kbps (or higher speeds when suitably equipped) transmission paths between CLEC STPs or switches and the SWBT STP

pair that provides appropriate physical diversity when available. Generally the CLEC designated Signaling Points of Interconnection (SPOI) are at SWBT's STP or serving wire center.

9.1.1.1 CLEC and SWBT may choose to interconnect their existing SS7 networks. No charges under this Agreement will apply when CLEC transmits signaling for local service traffic using ports, links and cross connects between CLEC and SWBT STPs for which CLEC has paid the applicable charges in its capacity as an IXC.

9.1.1.2 When CLEC establishes new links, where CLEC will use existing transport to an existing SPOI, but will order a new cross-connect and port at SWBT's STP, CLEC will pay applicable rates labeled "SS7 Links Cross Connect" and "STP Port" in Appendix Pricing - UNE - Schedule of Prices. If either Party believes new links as described in this paragraph would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If, pursuant to the negotiations, the parties mutually agree that the new cross-connect and port is needed, SWBT will charge CLEC the applicable rates and charges established herein and CLEC will charge SWBT the lesser of CLEC's tariff rates, if any, or an amount equal to the applicable charges established herein. If SWBT does not agree that a new link as described in this paragraph is mutually beneficial, then SWBT will not use the new link and SWBT acknowledges that CLEC may block SWBT's usage of the new link.

9.1.1.3 If new links are established and CLEC elects to purchase unbundled SWBT transport between an CLEC STP or CLEC local switch and a SWBT STP or SPOI, using interfaces at the DS1 level, SWBT will provide a DS1 transport facility. CLEC will pay the rates and charges for each DS-1 shown on Appendix Pricing UNE - Schedule of Prices labeled "Unbundled Signaling - STP - Access Connection - 1.544 Mbps" (in addition to the port and cross connect described in 9.1.1.2).

9.1.1.3.1 If either Party believes the new DS-1 transport facility as described in the previous paragraph would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If, pursuant to the negotiations, the parties mutually agree that the new DS1 transport facility is needed, SWBT will charge CLEC the applicable charges established herein and CLEC will charge SWBT the lesser of CLEC's tariff rates, if any, or an amount equal to the applicable charges established herein. If SWBT does not agree that a new facility as described in this paragraph is mutually beneficial, then SWBT will not use the new facility's links and SWBT acknowledges that CLEC may block SWBT's usage of the new facility's links.

9.1.1.4 If new links are established and the SPOI is located in a different end office than the STP, CLEC may purchase 56 Kbps transport between the SPOI and the cross connect panel where the STP is located (in addition to the port and cross connect

required in 9.1.1.2 above). In this circumstance, CLEC will pay the rates and charges shown on Appendix Pricing UNE - Schedule of Prices labeled "Unbundled Signaling - STP Access Link - 56 Kbps."

9.1.1.4.1 If either Party believes new links as described in the previous paragraph would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If, pursuant to the negotiations, the parties mutually agree that the new 56Kbps transport facility is needed, SWBT will charge CLEC the applicable charges established herein, and CLEC will charge SWBT the lesser of CLEC's tariff rates, if any, or an amount equal to the applicable charges established herein. If SWBT does not agree that a new link as described in this paragraph is mutually beneficial, then SWBT will not use the new link and SWBT acknowledges that CLEC may block SWBT's usage of the new link.

9.1.2 Technical Requirements

9.1.2.1 Of the various options available, unbundled Signaling Link Transport will perform in the following two ways:

9.1.2.1.1 As an "A-link" which is a connection between a switch and a home Signaling Transfer Point (STP) pair; and

9.1.2.1.2 As a "B-link" or "D-link" which is an inter-connection between STPs in different signaling networks.

9.1.3 When CLEC provides its own switch or STP, CLEC will provide DS1 (1.544 Mbps) interfaces at the CLEC-designated SPOIs. Each 56 Kbps transmission path will appear as a DS0 channel within the DS1 interface.

9.1.4 CLEC will identify to SWBT the Signaling Point Codes (SPCs) associated with the CLEC set of links. CLEC will pay a non-recurring charge per STP pair when CLEC requests SWBT to add a signaling point code at the rate reflected on the Appendix Pricing UNE - Schedule of Prices labeled "Point Code Addition" reflected under the heading of "Unbundled Signaling". This charge also applies to point code information provided by CLEC allowing other telecommunications providers to use CLEC's SS7 signaling network. If either Party believes the new Point Code would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If pursuant to the negotiations, the Parties agree that the Point Code Addition is mutually beneficial, SWBT will pay the lesser of CLEC's tariff rate, if any, or the charges identified herein.

9.1.4.1 When SWBT requests CLEC to add a signaling point code, SWBT will pay a non-recurring charge per STP pair at the lesser of CLEC's tariff rate, if any, or the charge reflected on the Appendix Pricing UNE - Schedule of Prices labeled "Point

Code Addition" reflected under the heading of "Unbundled Signaling". This charge also applies to point code information provided by SWBT allowing other telecommunications providers to use SWBT's SS7 signaling network. If either Party believes the new Point Code would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If pursuant to the negotiations, the Parties mutually agree that the Point Code Addition is mutually beneficial, CLEC will pay the charges identified herein.

9.1.5 When CLEC provides its own switching, and purchases signaling link transport, CLEC will furnish to SWBT, at the time such transport is ordered and annually thereafter, an updated three year forecast of usage of the SS7 Signaling network. The forecast will include total annual volume and busy hour month volume. SWBT will utilize the forecast in its own efforts to project future facility requirements. CLEC will furnish such forecasts in good faith, but will not be restricted in its use of the signaling network based on such forecasts.

9.1.6 CLEC will inform SWBT in writing thirty (30) days in advance of any material expected change in CLEC's use of such SS7 Signaling Network. Any network management controls found necessary to protect SWBT's SS7 network from an overload condition will be applied based on non-discriminatory guidelines and procedures. Such management controls will be applied to the specific problem source to the extent technically feasible.

9.1.7 SWBT will inform CLEC in writing thirty (30) days in advance of any material expected change in SWBT's use of such SS7 Signaling Network. Any network management controls found necessary to protect CLEC's SS7 network from an overload condition will be applied based on non-discriminatory guidelines and procedures. Such management controls will be applied to the specific problem source to the extent technically feasible.

9.2 Signaling Transfer Points (STPs)

9.2.1 Definition: The Signaling Transfer Point element is a signaling network function that includes all of the capabilities provided by the Signaling Transfer Point (STPs) switches which enable the exchange of SS7 messages between switching elements, database elements and signaling transfer point switches via associated signaling links. Signaling Transfer Point includes the associated link interfaces.

9.2.1.1 CLEC may use the STP under three options, as follows:

9.2.1.1.1 Signaling for CLEC with its own Signaling Point, utilizing its own set of links: Use of the STP routes signaling traffic generated by action of CLEC to the destination defined by SWBT's signaling network, excluding messages to and from a SWBT Local Switching unbundled Network Element. MTP, ISUP, SCCP,

TCAP and OMAP signaling traffic addressed to signaling points associated with CLEC set of links will be routed to CLEC.

9.2.1.1.1.1 SS7 Transport will apply to SS7 messages transported on behalf of CLEC from a SWBT STP pair to a SWBT STP pair located in a different LATA. The message would be routed in the same manner as SWBT routes SS7 messages for itself (e.g., local STP to regional STP to regional STP to local STP). The rate will apply to ISUP and TCAP messages. When CLEC uses SS7 Transport between one or more SWBT STP pairs, for each segment transported (i.e., from an SWBT STP pair to an adjacent SWBT pair), CLEC will pay the charges labeled "SS7 Signaling Transport per call" on Appendix Pricing UNE - Schedule of Prices. CLEC will be charged for the use of the SWBT SS7 signaling on a per call basis.

9.2.1.1.1.2 If CLEC elects to be billed for this signaling transport at the UNE rate referenced in the preceding paragraph, CLEC will be required to use a unique point code for each CLEC local switching office, in those circumstances when call completion requires use of an STP located in a different LATA than that in which the call originated. If CLEC does not provide a unique point code, CLEC will be charged at a tariffed rate.

9.2.1.1.2 Signaling for CLEC with its own Signaling Point, utilizing a set of links of another party: CLEC may order signaling associated with the set of links of another party by including a Letter of Authorization (LOA) from the owner of the set of links at the time service is ordered. The LOA will indicate that the owner of the set of links will accept SWBT charges for SS7 signaling ordered by CLEC.

9.2.1.1.3 Signaling for CLEC utilizing SWBT's Local Switching Unbundled Network Element (UNE): Use of SWBT's SS7 signaling network will be provided as set forth in an order for the Local Switching unbundled network element. CLEC does not separately order SS7 signaling under this method. CLEC will be charged for the use of the SWBT SS7 signaling on a per call basis at the interim rate of 200 times the octet rate contained on Appendix Pricing UNE - Schedule of Prices and labeled as "SS7 Transport Rate". This per call rate is also shown as SS7 Signaling in the Appendix Pricing UNE - Schedule of Prices.

9.2.2 Technical Requirements

9.2.2.1 STPs will provide signaling connectivity to Network Elements connected to the SWBT SS7 network. These include:

9.2.2.1.1 SWBT Local Switching or Tandem Switching;

9.2.2.1.2 SWBT Service Control Points/Call Related Databases;

9.2.2.1.3 Third-party local or tandem switching systems; and

9.2.2.1.4 Third-party-provided STPs.

9.2.2.2 The Parties will indicate to each other the signaling point codes and other screening parameters associated with each Link Set ordered by CLEC at the SWBT STPs, and each Party will provision in accordance with these parameters where technically feasible. CLEC may specify screening parameters so as to allow transient messages to cross the SWBT SS7 Network. The Parties will identify to each other the Global Title and Translation Type information for message routing. Unless the Parties agree that the Global Title Translation is mutually beneficial, CLEC will pay a non-recurring charge when CLEC requests SWBT to add Global Title Translation Type information for message routing, in connection with its use of unbundled signaling. These charges are identified in the Appendix Pricing UNE - Schedule of Prices as "Global Title Translation Addition". If either Party believes the new Global Title Translation would be mutually beneficial, each Party agrees to negotiate at the request of the other Party. If pursuant to the negotiations, the Parties agree that the Global Title Translation is mutually beneficial, SWBT will pay the lesser of CLEC's tariff rate, if any, or the charges identified herein.

9.2.2.3 The connectivity provided by STPs will fully support the functions of all other Network Elements connected to the SWBT SS7 network. This explicitly includes the use of the SWBT SS7 network to convey messages which neither originate nor terminate at a signaling end point directly connected to the SWBT SS7 network. When the SWBT SS7 network is used to convey such messages, there will be no intentional 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. In its capacity as an LSP, CLEC will transfer Calling Party Number Parameter information unchanged, including the "privacy indicator" information, when ISUP Initial Address Messages are interchanged with the SWBT signaling network.

9.2.2.4 If the SWBT STP does not have a route to the desired Signaling Point Code, CLEC will submit a request indicating the proposed route. If the proposed route uses a set of links not associated with CLEC, CLEC will include a letter of agency that indicates the third party is willing to receive the messages and pay any applicable charges. Use of the STP provides a signaling route for messages only to signaling points to which SWBT has a route. SWBT will add the SPC to the STP translations if technically feasible.

9.2.2.5 In cases where the destination signaling point is a SWBT local or tandem switching system or DB, or is CLEC or third party local or tandem switching system directly connected to the SWBT SS7 network, STPs will perform MRVT

and SRVT to the destination signaling point, if and to the extent these capabilities exist on the particular SWBT STPs. In all other cases, STPs will perform MRVT and SRVT to a gateway pair of STPs in an SS7 network connected with the SWBT SS7 network, if and to the extent these capabilities exist on the particular SWBT STPs. This requirement will be superseded by the specifications for Internetwork MRVT and SRVT if and when these become approved ANSI standards and if and to the extent these capabilities exist on the particular SWBT STPs.

9.2.3 Interface Requirements

9.2.3.1 SWBT will provide STP interfaces to terminate A-links, B-links, and D-links.

9.2.3.2 CLEC will designate the Signaling Point of Interconnection (SPOI) for each link. CLEC will provide a DS1 or higher rate transport interface at each SPOI.

9.2.3.3 SWBT will provide intraoffice diversity to the same extent as it provides itself between the SPOIs and the SWBT STPs. CLEC may request and SWBT will provide, to the extent technically feasible, greater diversity through the Special Request process.

9.3 Service Control Points/Call-Related Databases

9.3.1 Definition: Call-related databases are the Network Elements that provide the functionality for storage of, access to, and manipulation of information required to offer a particular telecommunications service and/or capability.

9.3.1.1 A Service Control Point (SCP) is a specific type of Network Element where call related databases can reside. SCPs deployed in a Signaling System 7 (SS7) network execute service application logic in response to SS7 queries sent to them by a switching system also connected to the SS7 network. SCPs also provide operational interfaces to allow for provisioning, administration and maintenance of subscriber data and service application data. (e.g., an 800 database stores customer record data that provides information necessary to route 800 calls).

9.3.2 **Technical Requirements for SCPs/Call-Related Databases**

9.3.2.1 Requirements for SCPs/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 SCPs/Call-Related Databases will be provided to CLEC in accordance with the following requirements, except where such a requirement is superseded by specific requirements set forth in Sections 9.4 through 9.7:

9.3.2.2 SWBT will provide physical interconnection to SCPs through the SS7 network and protocols, as specified in Section 9.2 of this Attachment, with TCAP as the application layer protocol.

9.3.2.3 SWBT will make its database functionality available to CLEC using the same performance criteria as is applied to SWBT's use. To the extent those performance criteria exist in written form, they will be shared with CLEC and SWBT will provide CLEC with the opportunity to comment on such criteria.

9.3.2.4 The Parties will provide Permanent Local Number Portability (PLNP) as soon as it is technically feasible in conformance with FCC rules and the Act, will participate in development of PLNP in the state in accordance with the FCC's First Report and Order in Docket No. 95-116, and will negotiate terms and conditions concerning access to PLNP as database requirements and plans are finalized.

9.4 Line Information Database (LIDB)

9.4.1 Definition: The Line Information Data Base (LIDB) is a transaction-oriented database that functions as a centralized repository for data storage and retrieval. LIDB is accessible through Common Channel Signaling (CCS) networks. It 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. LIDB queries include functions such as screening billed numbers that provides the ability to accept Collect or Third Number Billing calls and validation of Telephone Line Number based non-proprietary calling cards. The interface for the LIDB functionality is SWBT's regional STP. LIDB also interfaces with a service management system as defined below.

9.4.1.1 Query transport will be charged on a per query basis at a rate reflected on Appendix Pricing - UNE Schedule of Prices labeled "Query Transport." LIDB Validation will be charged on a per query basis at the rate reflected on Appendix Pricing - UNE Schedule of Prices labeled "LIDB Validation." (This includes Validation, SMS, and SLEUTH functionality.) CNAM Service Query will be charged on a per query basis at the rate reflected on Appendix Pricing - UNE Schedule of Prices labeled "CNAM Service Query." (This includes service query and SMS functionality.) LIDB usage rates (i.e., CNAM Service Query, LIDB Validation, and Query Transport) will be modified to reflect weighted average prices from Texas, Missouri, Oklahoma, Kansas, and Arkansas once cost review processes are complete in all states. The parties will submit a modification to this Agreement and will true-up to the modified prices. A service order charge for LIDB validation will be charged at the rate reflected on Appendix Pricing - UNE Schedule of Prices labeled as "Service Order Charge". This charge applies when CLEC places an order to activate, change, or modify a point code. When CLEC

has not previously established a given switch on SWBT's STP, but CLEC wants to use that switch to issue LIDB queries, the switch must be identified to LIDB through point code additions. In that event, a nonrecurring charge for activating, changing, or modifying a point code will be charged at a rate reflected on the Appendix Pricing UNE - Schedule of Prices labeled "Point Code Addition" reflected under the heading of "Unbundled Signaling.

9.4.1.2 Alternate Billing Service (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.

9.4.1.3 Billed Number Screening (BNS) means a validation of toll billing exception (TBE) data.

9.4.1.4 Calling Card Service (CCD) 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.

9.4.1.5 Common Channel Signaling (CCS) Network means an out-of-band, packet-switched, signaling network used to transport supervision signals, control signals, and data messages. Validation Queries and Response messages are transported across the CCS network.

9.4.1.6 Data Owner means telecommunications companies that administer their own validation data in a party's LIDB or LIDB-like database.

9.4.1.7 Line Record means information in LIDB that is specific to a single telephone number or special billing number.

9.4.1.8 Originating Point Code (OPC) means a code assigned to identify LSP's operator service system location(s).

9.4.1.9 Special Billing Number means line records in LIDB that are based on an NPA-0/1XX numbering format. NPA-0/1XX numbering formats are similar to NPA-NXX formats except that the fourth digit of an NPA-0/1XX line record is either a zero (0) or a one (1).

9.4.1.10 Toll Billing Exception (TBE) Service means a service that allows end users to restrict third number billing or collect calls to their lines.

9.4.1.11 Validation information means Data Owners' records of all their Calling Card Service and Toll Billing Exception Service.

9.4.1.12 SWBT has established a LIDB database users group.

9.4.2 **LIDB Validation**

9.4.2.1 SWBT will provide CLEC access to Validation information whenever CLEC initiates a query from an SSP for Validation information available in SWBT's LIDB.

9.4.2.2 All CLEC validation queries to SWBT's LIDB will use a translation type 253 and a subsystem number in the calling party address field that is mutually agreed upon. CLEC acknowledges that such subsystem number and translation type values are currently necessary for SWBT to properly process Validation queries to its LIDB.

9.4.2.3 SWBT may employ certain automatic and/or manual overload controls to protect SWBT's CCS/SS7 network. SWBT will report to CLEC any instances where overload controls are invoked due to CLEC's CCS/SS7 network and CLEC agrees in such cases to take corrective action to the same extent SWBT prescribes for itself. Any network management controls found necessary to protect LIDB Validation from an overload condition will be applied based on non-discriminatory guidelines and procedures. Such management controls will be applied to the specific problem source to the extent technically feasible.

9.4.2.4 SWBT's LIDB will contain a record for every SWBT working line number and Special Billing Number served by SWBT. Other telecommunications companies, including CLEC, may also store their data in SWBT's LIDB. SWBT will request such telecommunications companies to also provide a record for every working line number and Special Billing Number served by those companies.

9.4.2.5 SWBT's LIDB Validation Service will provide the following functions on a per query basis: validation of a telecommunications calling card account number stored in LIDB; determination of whether the billed line has decided in advance to reject certain calls billed as collect or to a third number; and determination of billed line as a public (including those classified as semi public) or nonworking telephone number.

9.4.2.6 SWBT provides LIDB Validation Service as set forth in this Attachment only as such service is used for CLEC's LSP activities on behalf of its Missouri local service customers where SWBT is the incumbent local exchange carrier. CLEC agrees that any other use of SWBT's LIDB for the provision of LIDB Validation Service by CLEC will be pursuant to the terms, conditions, rates, and charges of SWBT's effective tariffs, as revised, for LIDB Validation Service.

9.4.2.6.1 CLEC will be charged for LIDB validation queries, consistent with Section 9.4.1 of this Attachment, in the event that CLEC is using its own OS platform.

9.4.2.6.2 In the event that CLEC is using SWBT's OS platform, until otherwise agreed, no charge is made for such Validation queries other than applicable OS charges as defined in Attachment 23 OS-Fac.

9.4.2.6.3 SWBT cannot distinguish between queries from CLEC's Operator Services Position System (OSPS) as an LSP within the SWBT traditional five state serving area and queries from CLEC's OSPS as an IXC. If for any reason the rates for the LSP query and/or query transport and the rates for the IXC query and/or query transport rate diverge prior to the development of any technically feasible method to distinguish LSP queries from IXC queries, CLEC will develop an allocation factor to distinguish the proportion of queries attributed to CLEC as an IXC and those attributed to CLEC as an LSP within the SWBT serving area. Should CLEC opt to treat all queries at the higher rate, CLEC will not be required to develop an allocation factor.

9.4.2.6.4 SWBT will notify CLEC of any divergence of rates no later than the effective date of the divergence. Within 10 days after receipt of notice CLEC will advise SWBT whether CLEC elects to pay the higher rate (e.g., assume all queries are LSP or IXC driven, whichever is higher) or elects to develop an allocation factor. CLEC will provide its factor and SWBT will accept and apply the factor as soon as technically feasible but in no event later than 90 days after CLEC notifies SWBT of its intent to develop a factor. Until CLEC develops and provides its factor, SWBT shall treat all queries at the higher rate, except that a true up will occur for the period of time required for implementation of the allocation factor, but in no event to exceed 90 days. Factors may be changed by CLEC on a quarterly basis and subject to audit by SWBT on a yearly basis.

9.4.2.7 LIDB Validation provided by SWBT to CLEC will meet applicable regulatory performance standards and requirements and be at least equal in quality and performance as that which SWBT provides to itself. LIDB Validation will be provided in accordance with SWBT Technical Publications or other like SWBT documents, as changed from time to time by SWBT at its sole discretion, to the extent consistent with the Act. Such publications and documents will be shared with CLEC and SWBT will provide CLEC with the opportunity to comment. CLEC may request and SWBT will provide, to the extent technically feasible, LIDB Validation that is superior or lesser in quality than SWBT provides to itself and such service will be requested pursuant to the Special Request process.

9.4.3 Ownership of Validation Information

9.4.3.1 CLEC's access to any LIDB Validation information does not create any ownership interest that does not already exist. Telecommunications companies,

including CLEC, depositing information in SWBT's LIDB may retain full and complete ownership and control over such information.

9.4.3.2 Unless expressly authorized in writing by parties, LIDB Validation is not to be used for purposes other than validating ABS-related calls. CLEC may use LIDB Validation for such functions only on a call-by-call basis.

9.4.3.3 Proprietary information residing in SWBT's LIDB is protected from unauthorized access and CLEC may not store such information in any table or database for any reason. All information related to alternate billing service is proprietary. Examples of proprietary information are as follows:

- Billed (Line/Regional Accounting Office (RAO)) Number
- PIN Number(s)
- Billed Number Screening (BNS) indicators
- Class of Service (also referred to as Service or Equipment)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics.

9.4.3.4 CLEC agrees that it will not copy, store, maintain, or create any table or database of any kind that is based upon a response to a query to SWBT's LIDB.

9.4.3.5 If CLEC acts on behalf of other carriers to access SWBT's LIDB Validation, CLEC will contractually prohibit such carriers from copying, storing, maintaining, or creating any table or database of any kind from any response provided by SWBT after a Validation query to SWBT's LIDB.

9.4.3.6 SWBT will share end user information, pertinent to fraud investigation, with CLEC when validation queries for the specific end user reaches SWBT's established fraud threshold level. This fraud threshold level will be applied uniformly to all end user information in SWBT's LIDB.

9.4.3.7 Nothing in Sections 9.4.3.1 through 9.4.3.7 is intended to restrict CLEC's use or storage of CLEC data created or acquired independently of SWBT's LIDB Validation.

9.4.4 LIDB Storage and Administration

9.4.4.1 Definitions:

9.4.4.1.1 **Data Base Administration Center (DBAC)** - A SWBT location where facility and administrative personnel are located for administering LIDB and/or Sleuth.

9.4.4.1.2 **Group** - For the purpose of this Attachment, a specific NPA-NXX and/or NPA-0/1XX combination.

9.4.4.1.3 **Group Record** - Information in LIDB or LVAS that is common to all lines or billing records in an NPA-NXX or NPA-0/1XX.

9.4.4.1.4 **LIDB Editor** - A database editor located at the SCP where LIDB resides. LIDB Editor provides emergency access to LIDB that bypasses the service management system for LIDB.

9.4.4.1.5 **Line Validation Administration System (LVAS)** - An off-line administrative system, used by SWBT to add, delete and change information in LIDB. For purposes of this Attachment, LVAS is SWBT's service management system for LIDB.

9.4.4.1.6 **Line Record** - Information in LIDB or LVAS that is specific to a single telephone number or Special Billing Number.

9.4.4.1.7 **Toll Billing Exception (TBE)** - A LIDB option that allows end users to restrict third number billing or collect calls to their lines.

9.4.4.1.8 **Service Management System (SMS)** - An off-line system used to access, create, modify, or update information in LIDB. For the purposes of this Attachment, the SMS for LIDB is LVAS.

9.4.4.1.9 **Sleuth** - An off-line administration system that SWBT uses to monitor suspected occurrences of ABS-related fraud. Sleuth uses a systematic pattern analysis of query message data to identify potential incidences of fraud that may require investigation. Detection parameters are based upon vendor recommendations and SWBT's analysis of collected data and are subject to change from time to time.

9.4.4.1.10 **Special Billing Number (SBN) Account Groups** - Line records in LIDB that are based on an NPA-0/1XX numbering format. NPA-0/1XX numbering formats are similar to NPA-NXX formats except that the fourth digit of an NPA-0/1XX line record is either a zero (0) or a one (1).

9.4.4.1.11 **Tape Load Facility** - A separate data entry point at the SCP where LIDB resides. The tape load facility provides direct access to LIDB for data administration and bypasses the service management system of SWBT's LIDB.

9.4.4.1.12 **Translation Type** - A code in the Signaling Connection Control Point (SCCP) of the SS7 signaling message. Translation Types are used for routing LIDB queries. Signal Transfer Points (STPs) use Translation Types to identify the routing table

used to route a LIDB query. Currently, all LIDB queries against the same exchange and Translation Type are routed to the same LIDB.

9.4.4.2 General Description and Terms

9.4.4.2.1 SWBT's LIDB is connected directly to a service management system (i.e., LVAS), a database editor (i.e., LIDB Editor), and a tape load facility. Each of these facilities, processes, or systems, provide SWBT with the capability of creating, modifying, changing, or deleting, line/billing records in LIDB. SWBT's LIDB is also connected directly to an adjunct fraud monitoring system (i.e., Sleuth).

9.4.4.2.2 From time-to-time, SWBT enhances its LIDB to create new services and/or LIDB functionalities. Such enhancements may involve the creation of new line-level or group-level data elements in LIDB. SWBT will coordinate with CLEC to provide CLEC with the opportunity to update its data concurrent with SWBT's updates of SWBT's own data. Both parties understand and agree that some LIDB enhancements will require LSP to update its line/billing records with new or different information.

9.4.4.2.3 Administration of the SCP on which LIDB resides, as well as any system or query processing logic that applies to all data resident on SWBT's LIDB is, and remains, the responsibility of SWBT. CLEC understands and agrees that SWBT, in its role as system administrator, may need to access any record in LIDB, including any such records of CLEC. SWBT will limit such access to those actions necessary to ensure the successful operation and administration of SWBT's SCP and LIDB.

9.4.4.2.4 SWBT does not presently have data screening capability in LIDB. Data Screening is the ability of a LIDB owner to deny complete or partial access to LIDB data or processes. At such time as SWBT has LIDB Data Screening capability for individual data owners, including itself, it will make that capability available to CLEC.

9.4.4.2.5 On behalf of third parties who query LIDB for CLEC data and receive a response verifying the end user's willingness to accept the charges for the underlying call, CLEC at its election either will bill the appropriate charges to end users or will provide all necessary billing information needed by the third party to bill for the services provided.

9.4.4.2.6 Upon receipt of the Line Record from CLEC, SWBT will provide the functionality needed to perform the following query/response functions, on a call-by-call basis, for the line records residing in SWBT's LIDB to: (1) validate a 14-digit billing number where the first 10 digits are a telephone number or a special billing number assigned and the last four digits (PIN) are a security code

assignment; (2) determine whether the billed line automatically rejects, accepts, or requires verification of certain calls billed as collect or third number; and (3) determine whether the billed line is a public telephone number using the Class of Service Information in LIDB.

9.4.4.2.7 To the extent that CLEC stores its own Validation information in a database other than SWBT's, such information will be made available to SWBT through an industry standard technical interface and on terms and conditions set forth by tariff or by a separate agreement between SWBT and the database provider. SWBT agrees to negotiate in good faith to reach such an agreement. If SWBT is unable or chooses not to enter into an agreement with a database provider, CLEC acknowledges that such CLEC validation information will be unavailable to any customer including CLEC served by SWBT OS platforms.

9.4.4.2.8 CLEC understands and agrees that SWBT is the sole determinant and negotiating party for any access to SWBT's LIDB. CLEC does not gain any ability, by virtue of this Attachment, to determine which telecommunications companies are allowed to access information in SWBT's LIDB. CLEC understands and agrees that when SWBT allows a query originator to access SWBT data in SWBT's LIDB, such query originators will also have access to CLEC's data that is also stored in SWBT's LIDB.

9.4.4.3 Line Validation Administration System (LVAS)

9.4.4.3.1 LVAS provides CLEC with the capability to access, create, modify, or update information in LIDB. LVAS has two electronic interfaces. These interfaces are the Service Order Entry Interface and the Interactive Interface. If not claimed by CLEC, a LIDB record may be considered abandoned by SWBT and deleted from the LIDB database. However, a LIDB record shall not be considered abandoned for at least 21 days beyond the date that SWBT sends a Service Order Completion (SOC) to CLEC to indicate that a service order has been completed.

9.4.4.3.2 For UNE-P orders, SWBT shall work within the change management process to develop functionality that will enable it to populate the LIDB database based on information provided by CLEC through the initial LSR establishing a new connect or migration of CLEC's end user customer. SWBT shall provide these enhancements to CLEC for testing on or before December 15, 1999, with implementation scheduled for mid-January, 2000.

9.4.4.3.3 Concurrent with implementation of the LIDB record population functionality for UNE-P orders referenced in § 9.4.4.3.2 above, SWBT will provide CLEC with the option of either: 1) utilizing unbundled access to LVAS through the interfaces described in § 9.4.4.3.1 for the purpose of creating, modifying, updating or deleting its LIDB information; or 2) electing to have SWBT provide ongoing administration

of LIDB updates. These two options are mutually exclusive, and may not be used in conjunction with each other. For on-going administration of the LIDB record via the LSR, SWBT will work within the change management process to mechanize its LIDB administration offering. SWBT shall work within the Change Management Process to provide this functionality to CLEC prior to December 31, 2000. An interim performance measurement approved by the Commission shall apply until this functionality is available.

9.4.4.3.4 There is no separate charge for CLEC's use of LVAS under this Agreement.

9.4.4.3.5 CLEC may participate in a forum established by SWBT for all users of SWBT's LIDB administration system (LVAS). This group meets quarterly, at the discretion of the group, to discuss issues regarding SWBT's LIDB, including Line Record and system administration.

9.4.4.4 Service Order Entry Interface

9.4.4.4.1 The Service Order Entry Interface provides CLEC with unbundled access to SWBT's LVAS that is equivalent to SWBT's own service order entry process to LVAS. Service Order Entry Interface allows CLEC to electronically transmit properly formatted records from CLEC's service order process into LVAS.

9.4.4.4.2 CLEC's access to the Service Order Entry Interface will be through a remote access facility (RAF). The RAF will provide SWBT with a security gateway for CLEC access to the Service Order Entry Interface. The RAF will verify the validity of CLEC's transmissions and limit CLEC's access to SWBT's Service Order Entry Interface to LVAS. CLEC does not gain access to any other SMS, interface, database, or operations support system through this Appendix.

9.4.4.4.3 SWBT will provide CLEC with the file transfer protocol specifications CLEC will use to administer CLEC's data over the Service Order Entry Interface. CLEC acknowledges that transmission in such specified protocol is necessary for SWBT to provide LSP with Data Base Administration and Storage.

9.4.4.4.4 CLEC can choose the Service Order Entry Interface as its only interface to LVAS and LIDB or CLEC can choose to use this interface in conjunction with any other interface that SWBT provides under this Appendix except the Manual Interface.

9.4.4.4.5 SWBT will provide CLEC with SWBT-specific documentation for properly formatting the records CLEC will transmit over the Service Order Entry Interface.

9.4.4.4.6 CLEC understands that its record access through the Service Order Entry Interface will be limited to its own line/billing records.

9.4.4.5 Interactive Interface

9.4.4.5.1 The Interactive Interface provides CLEC with unbundled access to SWBT's LVAS that is equivalent to SWBT's access at its LIDB DBAC. Interactive Interface provides CLEC with the ability to have its own personnel access CLEC's records via an application screen that is presented on a computer monitor. Once CLEC has accessed one of its line/billing records, CLEC can perform all of the data administration tasks SWBT's LIDB DBAC personnel can perform on SWBT's own line/billing records.

9.4.4.5.2 SWBT will provide CLEC with Interactive Interface through a modem. CLEC understands that its record access through the Interactive Interface will be limited to its own line/billing records.

9.4.4.5.3 CLEC will use hardware and software that is compatible with LVAS hardware and software.

9.4.4.5.4 CLEC can choose to request the Interactive Interface as its only interface to LVAS and LIDB or CLEC can choose to use this interface in conjunction with any other interface that SWBT provides under this Appendix except the Manual Interface.

9.4.4.6 Tape Load Facility Interface

9.4.4.6.1 Tape Load Facility Interface provides CLEC with unbundled access to SWBT's Tape Load Facility in the same manner that SWBT accesses this facility. Tape Load Facility Interface allows CLEC to create and submit magnetic tapes for input into LIDB.

9.4.4.6.2 The Tape Load Facility Interface is not an interface to LVAS. The Tape Load Facility interface is an entry point to LIDB at the SCP where LIDB resides.

9.4.4.6.3 The Tape Load Facility Interface is available only when the amount of information is too large for LVAS to accommodate. Both parties agree that these situations normally occur during the initial load of an LSP's information into LIDB or when LIDB is updated for a new product. The Tape Load Facility Interface is not available for ongoing updates of information. CLEC may request the Tape Load Facility Interface only when its updates exceed 100,000 line/billing records over and above CLEC's normal daily update processing.

9.4.4.6.4 CLEC will create its own tapes in formats specified in GR-446-CORE, Issue 2, June 1994, as revised. Such tapes will only include information associated with CLEC's line/billing records.

9.4.4.6.5 CLEC will deliver a separate set of tapes, each having identical information to each SCP node on which LIDB resides. SWBT will provide CLEC with the name and address of the SWBT employee designated to receive the tapes at each location.

9.4.4.6.6 In addition to the tapes CLEC will create and deliver to the SCP node locations, CLEC will deliver an additional set of tapes to the LVAS System Administrator so that SWBT can load CLEC's updates into LVAS. CLEC understands that these additional tapes must contain information identical to the tapes delivered to the SCP nodes, but that the format will differ. SWBT will provide CLEC SWBT-specific documentation for record formats of these additional tapes. SWBT will use these tapes to create CLEC records in LVAS that correspond with the records being loaded into LIDB using the Tape Load Facility Interface. SWBT will provide CLEC with the name and address of the SWBT System Administrator to whom the LVAS update tapes should be sent.

9.4.4.6.7 SWBT and CLEC will coordinate to establish mutually agreed upon dates and times for tape loads of CLEC data when such loads are the result of an CLEC request.

9.4.4.6.8 CLEC understands and agrees that its record access through the Tape Load Facility Interface is only for CLEC's own line/billing records. CLEC will not use the Tape Load Facility Interface to modify any group record. CLEC will not use the Tape Load Facility Interface to modify any line/billing record not belonging to CLEC.

9.4.4.7 LIDB Editor Interface

9.4.4.7.1 LIDB Editor Interface provides CLEC with unbundled access to SWBT's LIDB Editor equivalent to SWBT's manner of access. LIDB Editor provides CLEC with emergency access to LIDB only when LVAS is unable to access LIDB or is otherwise inoperable.

9.4.4.7.2 LIDB Editor Interface is not an interface to LVAS. LIDB Editor is an SCP tool accessible only by authorized SWBT employees. CLEC will have access to SWBT employees authorized to access LIDB Editor during the same times and under the same conditions that SWBT has access to LIDB Editor.

9.4.4.7.3 CLEC understands that its record access through the LIDB Editor Interface will be limited to its own line/billing records.

9.4.5 Audits

SWBT will provide CLEC with LIDB audit functionality as described immediately below.

9.4.5.1 LIDB Audit

9.4.5.1.1 This audit is between LVAS and LIDB. This audit verifies that LVAS records match LIDB records. The LIDB Audit is against all line record and group record information in LVAS and LIDB, regardless of data ownership.

9.4.5.1.2 SWBT will run the LIDB audit continuously throughout each and every day.

9.4.5.1.3 SWBT will create a "variance file" of all CLEC records that fail the LIDB audit. CLEC can access this file through the Interactive Interface.

9.4.5.1.4 CLEC will investigate accounts that fail the LIDB audit and correct any discrepancies within fourteen (14) days after the discrepancy is placed in the variance file. CLEC will correct all discrepancies using the LVAS interface(s) CLEC has requested under this Attachment.

9.4.5.2 Billing System Audit

9.4.5.2.1 This audit is between LVAS and SWBT's billing system(s). This audit verifies that LVAS records match SWBT's billing system records.

9.4.5.2.2 SWBT will provide CLEC with access equivalent to SWBT's own access to the billing system audit functionality. SWBT will provide CLEC with a file containing CLEC's records in LIDB. CLEC will specify if the billing system audit tape will be delivered by either magnetic tape or electronically over the Service Order Entry Interface.

9.4.5.2.3 CLEC will audit its LIDB accounts against CLEC's billing system and correct any discrepancies within a reasonable time and in no event longer than ten calendar days. CLEC will correct all discrepancies using the LVAS interface(s) CLEC has requested under this Attachment.

9.4.5.2.4 SWBT will provide CLEC scheduled and nonscheduled billing system audits as set forth following.

9.4.5.2.4.1 Scheduled Audits:

SWBT will provide CLEC with a billing system audit file twice per year. Such audit files will represent CLEC's entire data store in LVAS. The Parties will mutually agree upon the dates such audit files will be provided.

9.4.5.2.4.2 Unscheduled Audits:

CLEC can request additional audit files and SWBT will work cooperatively to accommodate all reasonable CLEC requests for such additional audit files.

9.4.6 Sleuth

9.4.6.1 Sleuth notification provides CLEC with Sleuth alert messages. Sleuth alert messages indicate potential incidences of ABS-related fraud for investigation.

9.4.6.2 SWBT will provide CLEC with an alert notification, by fax, or another mutually agreed upon format, when SWBT's Sleuth system indicates the probability of a fraud incidence. SWBT will use the same criteria to determine fraud alerts for CLEC as SWBT uses for its own accounts.

9.4.6.3 SWBT's Sleuth investigators can access alerts only in the order the alerts appear in the queue. Low alerts almost never see investigator treatment. However, when Sleuth encounters a number of low priority alerts on the same account, Sleuth may upgrade the alert's status to a higher priority status.

9.4.6.4 When a Sleuth investigator determines that an urgent, high, or medium priority alert is for an CLEC account, the Sleuth investigator will print the alert from the queue and fax the alert to the CLEC. Sleuth alerts only identify potential occurrences of fraud. SWBT will not perform its own investigation to determine whether a fraud situation actually exists for an CLEC account. CLEC will determine what, if any action it should take as a result of a Sleuth alert.

9.4.6.5 SWBT's hours of operation for Sleuth are seven days a week, twenty-four hours per day (7X24). CLEC will provide SWBT with a contact name and fax number for SWBT to fax alerts from SWBT's Sleuth DBAC.

9.4.6.6 SWBT will provide CLEC with a Sleuth contact name and number, including fax number, for CLEC to contact the Sleuth DBAC.

9.4.6.7 For each alert notification SWBT provides to CLEC, CLEC may request a corresponding 30-day historical report of ABS-related query processing. CLEC may request up to three reports per alert.

9.4.7 Technical Requirements

9.4.7.1 SWBT will enable CLEC to store in SWBT's LIDB any customer Line Number or Special Billing Number record, whether ported or not, for which the NPA-NXX or NXX-0/1XX Group is supported by that LIDB.

9.4.7.2 For the LIDB unbundled Network Element, the Technical Publication or other written description provided for in Section 2.17.2 will include a description of the data elements required to support LIDB-based query processing.

9.4.7.3 SWBT, and any SWBT agents who administer data in SWBT's LVAS, will not provide any access to or use of CLEC line-record data in LVAS by any third party that is not authorized by CLEC in writing.

9.5 CNAM Service Query

9.5.1 Definitions

9.5.1.1 Calling Name Delivery Service (CNDS) enables the terminating end user to identify the calling party by a displayed name before the call is answered. The calling party's name is retrieved from an SCP database and delivered to the end user's premises between the first and second ring for display on compatible customer premises equipment (CPE). CLEC will be charged for CNAM Service Queries in the event that CLEC is operating its own switch. In the event that CLEC is using SWBT's switch, no charge is made for any CNAM Service Query in addition to applicable unbundled Local Switching charges.

9.5.1.1.1 Pricing for CNAM Service Query, Query Transport, and Point Code Addition is described in Section 9.4.1.1 and prices are found in Appendix Pricing UNE - Schedule of Prices.

9.5.1.2 CNAM Service Query allows CLEC to query SWBT's Calling Name database for Calling Name information in order to deliver that information to CLEC's local subscribers.

9.5.1.3 Calling Name database means a Party's database containing current Calling Name information of all working lines served or administered by that Party, including the Calling Name information of any telecommunications company participating in that Party's Calling Name database.

9.5.1.4 Calling Name information means telecommunications companies' records of all of their subscribers' names associated with one or more assigned ten-digit telephone numbers.

9.5.1.5 Name Record Administering Companies means telecommunications companies that administer telephone number assignments to the public and which make their Calling Name information available in a Party's Calling Name database.

9.5.2 Description of Service

9.5.2.1 Each Party will provide to the other Party access to Calling Name information whenever the other Party initiates a query from an SSP for such information associated with a call terminating to a CNDS subscriber served by either Party.

9.5.2.2 All CLEC validation queries to SWBT's LIDB will use a translation type (TT) of 005 and a subsystem number in the calling party address field that is mutually agreed upon.

9.5.2.3 SWBT may employ certain automatic and/or manual overload controls to protect SWBT's CCS/SS7 network. SWBT will report to CLEC any instances where overload controls are invoked due to CLEC's CCS/SS7 network and CLEC agrees in such cases to take corrective action to the same extent SWBT prescribes for itself. Any network management controls found necessary to protect CNAM Service Query from an overload condition will be applied based on non-discriminatory guidelines and procedures. Such management controls will be applied to the specific problem source to the extent technically feasible.

9.5.2.4 SWBT provides CNAM Service Query as set forth in this Attachment only as such service is used for CLEC's LSP activities on behalf of its Missouri local service customers where SWBT is the incumbent local exchange carrier. CLEC agrees that any other use of SWBT's Calling Name database for the provision of CNAM Service Query by CLEC will be pursuant to the terms, conditions, rates, and charges of a separate agreement between the Parties.

9.5.2.4.1 SWBT cannot distinguish between queries from CLEC's switches as an LSP within the SWBT traditional five state serving area ("in-area") and queries from CLEC's switches as an LSP outside the SWBT traditional five state serving area ("out-of-area"). If for any reason the rates for the LSP in-area query and query transport and the rates for the LSP out-of-area query and query transport rate diverge prior to the development of any technically feasible method to distinguish in-area queries from out-of-area queries, CLEC will develop an allocation factor to distinguish the proportion of in-area queries and out-of-area queries. Should CLEC opt to treat all queries at the higher rate, CLEC will not be required to develop an allocation factor.

9.5.2.4.2 SWBT will notify CLEC of any divergence of rates no later than the effective date of the divergence. Within 10 days after receipt of notice CLEC will advise SWBT whether CLEC elects to pay the higher rate (e.g., assume all queries are LSP or

non LSP driven, whichever is higher) or elects to develop an allocation factor. CLEC will provide its factor and SWBT will accept and apply the factor as soon as technically feasible but in no event later than 90 days after CLEC notifies SWBT of its intent to develop a factor. A true up will occur for the period of time required for implementation of the allocation factor, but in no event to exceed 90 days.

9.5.3 Ownership of the Calling Name Information

9.5.3.1 CLEC's access to any CNAM Service Query information does not create any ownership interest that does not already exist. Telecommunications companies, including CLEC, depositing information in SWBT's LIDB may retain full and complete ownership and control over such information.

9.5.3.2 Unless expressly authorized in writing by parties, CNAM Service Query is not to be used for purposes other than support of CNDS. CLEC may use CNAM Service Query for such functions only on a call-by-call basis.

9.5.3.3 Proprietary information residing in SWBT's LIDB is protected from unauthorized access and CLEC may not store such information in any table or database for any reason. All information related to alternate billing service is proprietary. Examples of proprietary information are as follows:

- Billed (Line/Regional Accounting Office (RAO)) Number
- PIN Number(s)
- Billed Number Screening (BNS) indicators
- Class of Service (also referred to as Service or Equipment)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics.

9.5.3.4 CLEC agrees that it will not copy, store, maintain, or create any table or database of any kind that is based upon a response to a query to SWBT's LIDB.

9.5.3.5 If CLEC acts on behalf of other carriers to access SWBT's CNAM Service Query, CLEC will contractually prohibit such carriers from copying, storing, maintaining, or creating any table or database of any kind from any response provided by SWBT after a CNAM Service Query query to SWBT's LIDB.

9.5.3.6 Nothing in Sections 9.5.3.1 through 9.5.3.5 is intended to restrict CLEC's use or storage of CLEC data created or acquired independently of SWBT's CNAM Service Query.

9.5.3.7 SWBT will furnish Calling Name information only as accurate and current as the information has been provided to SWBT for inclusion in its CNAM database.

9.5.3.8 The Parties acknowledge that each 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. The Parties also acknowledge that certain local telephone service subscribers of Name Record Administering Companies may require their name information to be restricted, altered, or rendered unavailable.

9.5.3.9 The Parties acknowledge 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. CLEC will abide by information received in SS7 protocol during call set-up that the calling telephone service subscriber wishes to block or unblock the delivery of telephone number and/or name information to a CNDS subscriber. CLEC agrees not to attempt to obtain the caller's name information by originating a query to SWBT's Calling Name database where the subscriber had attempted to block such information, nor will CLEC block information a subscriber has attempted to unblock.

9.5.3.10 Indemnification and limitation of liability provisions covering the matters addressed in this Attachment are contained in the General Terms and Conditions portion of this Agreement.

9.5.4 Originating Line Number Screening (OLNS) When available, Originating Line Number Screening will be provided to CLEC at rates, terms, and conditions to be negotiated by the Parties.

9.6 Toll Free Number Database

9.6.1 SWBT's 800 database receives updates processed from the national Service Management System (SMS). Customer records in the SMS are created or modified by entities known as Responsible Organizations (RespOrg) who obtain access to the SMS via the 800 Service Management System, Tariff F.C.C. No. 1. 800 Service Providers must either become their own RespOrg or use the services of an established

RespOrg. The services of a RespOrg includes creating and updating 800 records in the SMS to download in the 800 database(s). SWBT does not, either through a tariff or contract, provide RespOrg service.

9.6.2 After the 800 customer record is created in the SMS, the SMS downloads the records to the appropriate databases, depending on the area of service chosen by the 800 subscriber. An 800 customer record is created in the SMS for each 800 number to be activated. The SMS initiates all routing changes to update information on a nationwide basis.

9.6.3 Access to the Toll Free Calling Database allows CLEC to access SWBT's 800 database for the purpose of switch query and database response. Access to the Toll Free Calling Database supports the processing of toll free calls (e.g., 800 and 888) where identification of the appropriate carrier (800 Service Provider) to transport the call is dependent upon the full ten digits of the toll free number (e.g., 1+800+NXX+XXXX). Access to the Toll Free Calling Database includes all 800-type dialing plans (i.e., 800 and 888 [and 877, 866, 855, 844, 833, 822, when available]).

9.6.4 Access to the Toll Free Calling Database provides the carrier identification function required to determine the appropriate routing of an 800 number based on the geographic origination of the call, from a specific or any combination of NPA/NXX, NPA or LATA.

9.6.5 In addition to the Toll Free Database query, there are three optional features available with 800-type service: Designated 10-Digit Translation, Call Validation and Call Handling and Destination. There is no additional charge for the Designated 10-Digit Translation and Call Validation feature beyond the Toll Free Database query charge. When an 800-type call originates from an CLEC switch to the SWBT Toll Free Database, CLEC will pay the Toll Free Database query rate for each query received and processed by SWBT's database. When applicable, the charge for the Call Handling and Destination feature are per query and in addition to the Toll Free Database query charge, and will also be paid by CLEC. The Toll Free Database charges do not apply when CLEC uses SWBT's Unbundled Local Switching. These rates are reflected in Appendix Pricing UNE - Schedule of Prices under the label "Toll-Free Database".

9.6.5.1 The Designated 10-Digit Translation feature converts the 800 number into a designated 10-digit number. If the 800 Service Provider provides the designated 10-digit number associated with the 800 number and requests delivery of the designated 10-digit number in place of the 800 number, SWBT will deliver the designated 10-digit number.

9.6.5.2 The Call Validation feature limits calls to an 800 number to calls originating only from an 800 Subscriber's customized service area. Calls originating outside the area will be screened and an out of band recording will be returned to the calling party.

9.6.5.3 The Call Handling and Destination feature allows routing of 800 calls based on one or any combination of the following: time of day, day of week, percent allocation and specific 10 digit ANI.

9.6.6 Access to the Toll Free Calling Database is offered separate and apart from other unbundled network elements necessary for operation of the network routing function addressed in these terms and conditions, e.g., end office 800 SSP functionality and CCS/SS7 signaling.

9.6.7 CLEC will address its queries to SWBT's database to the alias point code of the STP pair identified by SWBT. CLEC's queries will use subsystem number 0 in the calling party address field and a translations type of 254 with a routing indicator set to route on global title. CLEC acknowledges that such subsystem number and translation type values are necessary for SWBT to properly process queries to its 800 database.

9.6.8 SWBT may employ certain automatic and/or manual overload controls to protect SWBT's CCS/SS7 network. SWBT will report to CLEC any instances where overload controls are invoked due to CLEC's CCS/SS7 network and CLEC agrees in such cases to take corrective action to the same extent SWBT prescribes for itself. Any network management controls found necessary to protect Toll Free Network Element from an overload condition will be applied based on non-discriminatory guidelines and procedures. Such management controls will be applied to the specific problem source to the extent technically feasible.

9.6.9 CLEC will only use Access to the Toll Free Calling Database to determine the routing requirements for originating 800 calls. CLEC will not copy, store, maintain, or create any table or database of any kind that is based upon a response to a query to SWBT's Toll Free Calling Database. If CLEC acts on behalf of other carriers to access SWBT's Toll Free Calling Database, CLEC will contractually prohibit such carriers from copying, storing, maintaining, or creating any table or database of any kind from any response provided by SWBT after a query to SWBT's Toll Free Calling Database.

9.6.10 CLEC will ensure that it has sufficient link capacity and related facilities to handle its signaling and toll free traffic without adversely affecting other network subscribers and that the SSP Provider has transmitted the appropriate subsystem number and translation type.

9.6.11 SWBT provides access to the Toll Free Calling Database (TFCDB) as set forth in this Attachment only as such service is used for CLEC's LSP activities on behalf of its

Missouri local service customers where SWBT is the incumbent local exchange carrier. CLEC agrees that any other use of SWBT's TFCDB for the provision of 800 database service by CLEC will be pursuant to the terms, conditions, rates, and charges of SWBT's effective tariffs, as revised, for 800 database services.

9.7 AIN Call Related Database

9.7.1 Definition: The AIN is a Network Architecture that uses distributed intelligence in centralized databases to control call processing and manage network information, rather than performing those functions at every switch.

9.7.2 SWBT will provide CLEC access to the SWBT's Service Creation Environment (SCE) to design, create, test and deploy AIN-based features, equivalent to the access it provides to itself, providing that security arrangements can be made. CLEC requests to use the SWBT SCE will be subject to request and review procedures to be agreed upon by the Parties.

9.7.3 When CLEC utilizes SWBT's Local Switching network element and requests SWBT to provision such network element with a technically feasible AIN trigger, SWBT will provide access to the appropriate AIN Call Related Database for the purpose of invoking either an SWBT AIN feature or an CLEC developed AIN feature as per previous section.

9.7.4 When CLEC utilizes its own local switch, SWBT will provide access to the appropriate AIN Call Related Database for the purpose of invoking either an SWBT AIN feature or an CLEC developed AIN feature as per previous section.

9.7.5 SWBT will provide access to AIN Call Related databases in a nondiscriminatory and competitively neutral manner. Any mediation, static or dynamic, will only provide network reliability, protection, security and network management functions consistent with the access service provided. Any network management controls found necessary to protect the AIN SCP from an overload condition will be applied based on non-discriminatory guidelines and procedures either (1) resident in the SWBT STP that serves the appropriate AIN SCP or (2) via manual controls that are initiated from SWBT Network Elements. Such management controls will be applied to the specific problem source, wherever that source is, including SWBT, and not to all services unless a problem source cannot be identified.

9.7.6 As requested by CLEC, SWBT will provide specifications and information reasonably necessary for CLEC to utilize SWBT SCE as provided above.

9.7.7 SWBT SCP will partition and take reasonable steps to protect CLEC service logic and data from unauthorized access, execution or other types of compromise, where technically feasible.

9.7.8 Access to AIN and SCE will be provided to CLEC at rates, terms, and conditions to be negotiated by the Parties.

10.0 Operations Support Systems Functions

10.1 Definition: Operations Support Systems Functions consist of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by SWBT's databases and information.

10.2 SWBT will provide CLEC access to its Operations Support Systems Functions through the electronic interfaces provided for in Attachment 7 (Pre-Ordering, Ordering, and Provisioning - UNE), Attachment 8 (Maintenance - UNE), Attachment 9 (Connectivity Billing and Recording - UNE), and Attachment 10 (Customer Usage Data - UNE), on the terms and conditions set forth in those Attachments. CLEC will pay the prices reflected on Appendix Pricing UNE - Schedule of Prices labeled "Operations Support Systems (OSS)".

11.0 Cross-connects

11.1 The cross connect is the media between the SWBT distribution frame and an CLEC designated collocated space or other SWBT unbundled network elements purchased by CLEC.

11.2 SWBT offers a choice of four types of cross connects with each unbundled loop type. SWBT will charge CLEC the appropriate rate as shown on Appendix Pricing UNE - Schedule of Prices labeled "Loop Cross Connects with Testing" and "Loop Cross Connects without Testing". The applicable cross connects are as follows:

1. Cross connect to DCS
2. Cross connect to Multiplexer/Interoffice
3. Cross connect to Collocation
4. Cross connect to Switch Port

11.3 Cross connects to the cage associated with unbundled local loops are available with or without automated testing and monitoring capability. If CLEC uses its own testing and monitoring services, SWBT will treat CLEC test reports as its own for purposes of procedures and time intervals for clearing trouble reports. When CLEC orders a switch port, or local loop and switch port in combination, SWBT will, at CLEC's request, provide automated loop testing through the Local Switch rather than install a loop test point.

11.4 SWBT offers the choice of three types of cross connects with subloop elements. SWBT will charge CLEC the appropriate rate as shown on Appendix Pricing UNE - Schedule of Prices labeled "Subloop Cross Connect". The applicable cross connects are as follows:

1. Two wire
2. Four wire
3. Dark Fiber

11.5 Cross connects must also be ordered with Unbundled Dedicated Transport (UDT).

11.5.1 SWBT will charge CLEC the applicable rates as shown on Appendix Pricing UNE - Schedule of Prices labeled "Dedicated Transport Cross Connect". The following cross connects are available with UDT:

1. Voice Grade 2W
2. Voice Grade 4W
3. DS1
4. DS3
5. OC3
6. OC12
7. OC48

11.6 When CLEC purchases Interoffice dark fiber, CLEC will pay the charges shown on Appendix Pricing UNE - Schedule of Prices labeled "Dark Fiber to Collocation Cross Connects".

12.0 Additional Requirements Applicable to Unbundled Network Elements

This Section 12 sets forth additional requirements for unbundled Network Elements which SWBT agrees to offer to CLEC under this Agreement.

12.1 Within 60 days of the Effective Date of this Agreement, CLEC and SWBT will agree upon a process to resolve technical issues relating to interconnection of CLEC's network to SWBT's network and Network Elements and Ancillary Functions. The agreed upon process will include procedures for escalating disputes and unresolved issues up through higher levels of each company's management. If CLEC and SWBT do not reach agreement on such a process within 60 days, any issues that have not been resolved by the parties with respect to such process will be submitted to the Dispute Resolution procedures set forth in this Agreement unless both parties agree to extend the time to reach agreement on such issues.

12.1.1 SWBT must offer unbundled local loops with and without automated testing and monitoring services. If an LSP uses its own testing and monitoring services, SWBT still must treat the test reports as its own for purposes of procedures and time intervals for clearing trouble reports.

12.2 Synchronization

12.2.1 Definition:

Synchronization is the function which keeps all digital equipment in a communications network operating at the same average frequency. With respect to digital transmission, information is coded into discrete pulses. When these pulses are transmitted through a digital communications network, all synchronous Network Elements are traceable to a stable and accurate timing source. Network synchronization is accomplished by timing all synchronous Network Elements in the network to a stratum 1 source so that transmission from these network points have the same average line rate.

12.2.2 Technical Requirements

SWBT will provide synchronization to equipment that is owned by SWBT and is used to provide a network element to CLEC in the same manner that SWBT provides synchronization to itself.

12.3 Co-operative Testing

12.3.1 Upon request, at Time and Materials charges as shown on Appendix Pricing UNE - Schedule of Prices, SWBT will provide to CLEC cooperative testing to test any network element provided by SWBT and to test the overall functionality of network elements provided by SWBT that are connected to one another or to equipment or facilities provided or leased by CLEC, to the extent SWBT has the ability to perform such tests. The cooperative testing provided for in this paragraph is exclusive of any maintenance service and related testing that SWBT is required to provide for unbundled Network Elements under Attachment 6 or Attachment 8.

13.0 Pricing

13.1 Price Schedules

Attached hereto as Appendix Pricing - UNE is a schedule which reflects the prices at which SWBT agrees to furnish unbundled Network Elements to CLEC.

14.0 Additional Provisions

Notwithstanding anything in this Agreement to the contrary (including but not limited to this Attachment, Appendix Pricing-UNE, and Appendix Pricing-UNE Schedule of Prices):

14.1 Except as modified below, SWBT agrees to make all unbundled network elements (UNEs) set forth in this Agreement available to CLEC for the term of this Agreement, on the terms and at the prices provided in this Agreement.

14.2 SWBT will, except as provided elsewhere in Section 14, provide combinations of network elements to CLEC consistent with SWBT's obligations in this Agreement at the applicable charges set forth in this Agreement. For preexisting combined elements, where no manual work is required by SWBT in order to establish connections between the requested elements at the central office, an outside plant location, or the customer premises, SWBT will not apply a Central Office Access Charge but will apply all other recurring and nonrecurring charges applicable to the elements included in the combination, and the electronic service order charge. The pre-existing combined elements referred to in the preceding sentence include all orders included within the definition of "Contiguous Network Interconnection of Network Elements" in Attachment 7, sections 6.12 and 6.12.1. For new UNE combinations that are not within the above-referenced definition of "Contiguous Network Interconnection of Network Elements" and that require manual work by SWBT in order to establish connections between the requested elements at the central office, an outside plant location, or the customer premises, the applicable recurring and nonrecurring charges will apply, together with the Central Office Access Charge as shown in Appendix Schedule of Pricing-UNE. Such combinations may be referred to elsewhere in this Agreement as "new" combinations.

14.3 For service to business customers, beginning March 6, 2003:

14.3.1 If the FCC or the Missouri Public Service Commission determines after this Agreement is executed by the Parties or has determined before this Agreement is executed by the Parties that a certain network element need not be provided under Section 251(c)(3) of the FTA, either statewide or in a particular location or locations, SWBT may set the price of such network element(s) at a market level for the applicable areas. SWBT will provide 60 days notice (in accordance with the Notice provision in the General Terms and Conditions of this Agreement) to CLEC that the FCC or the Missouri Public Service Commission has made such a determination. SWBT will include in the notice the specifics of any pricing changes and the implementation dates for the pricing changes applicable to CLEC. Existing nonrecurring prices will apply to any UNEs for which orders are received prior to midnight on the day preceding the date specified for the pricing change. Application of the market level nonrecurring prices will apply beginning at 12:01 a.m. on the date specified for implementation. Application of the market level recurring charges will apply beginning at 12:01 a.m. on the date specified for implementation without regard to the time or date the orders were received by SWBT. A market price set by SWBT pursuant to this paragraph will not be subject to review, approval or disapproval by the Missouri PSC.

14.3.2 If the FCC or a court modifies (after this Agreement is executed by the Parties) the TELRIC methodology applicable to unbundled network elements, SWBT and CLEC may renegotiate the applicable prices for unbundled network elements provided pursuant to Section 251(c)(3) of Title 47, United States Code. If the Parties are unable to reach agreement on applicable prices within 135 days of the request by either Party for such negotiations, either Party may submit remaining disputes to the Missouri Commission for arbitration. The scope of renegotiation and arbitration of prices under this section will be limited to the scope of the FCC or court modification of the TELRIC methodology to the extent that such methodology was relied upon in setting the unbundled network element rates in this Agreement, and further limited to the impact that the modification of the TELRIC methodology would have had if it had been in effect at the time the UNE prices in Appendix Pricing UNE – Schedule of Prices were established. Pending the establishment of any modified prices by Commission arbitration award or Commission approval of negotiated modifications, the prices set forth in Appendix Pricing UNE -- Schedule of Prices will apply.

14.3.3 In those SWBT central offices where there are four (4) or more CLECs collocated for which SWBT has provided UNEs, SWBT may elect to not combine UNEs that are not already combined in that central office, *i.e.*, "new" combinations as defined in section 14.2. In that event, SWBT will request that CLEC provide a one (1) year forecast of its expected demand for UNEs in that central office which CLEC will combine outside of its existing or planned collocation arrangements. Within sixty (60) days of receipt of CLEC's forecast, SWBT will construct a secured frame room in the central office or, if space is not available, external cross connect cabinet until space becomes available in the central office at no additional cost to CLEC where CLEC may combine UNEs. If CLEC submits such a forecast, SWBT will continue to combine UNEs until the secured frame room or external cross connect cabinet is made available to CLEC. However, if at any time after a secured frame room or external cross connect cabinet is made available, SWBT is unable to meet CLEC's forecasted demand for UNEs to be combined through use of these arrangements due to a lack of capacity, SWBT will resume combining UNEs for CLEC on new combination orders until capacity can be provided. If CLEC fails to submit such a forecast, SWBT will no longer combine UNEs that are not already combined. CLEC can access the secured frame or the external cross-connect cabinet without having to collocate.

14.3.3.1 When a CLEC orders elements for combining at the secured frame or cabinet, SWBT will cross-connect those elements to the frame or cabinet at no additional charge to the CLEC, beyond the recurring and non-recurring charges provided for the elements themselves under this agreement (*e.g.*, for a loop and port combination, SWBT will cross-connect the loop and the port to the secured frame or cabinet, and the CLEC will pay applicable recurring and non-recurring charges for the loop and the port, but there is no charge for use of the frame or cabinet and no charge for a cross connect from loop to frame/cabinet or from port to

frame/cabinet). SWBT may not collect a Central Office Access Charge when CLEC combines elements at the frame or cabinet under this section.

14.3.3.2 SWBT and CLEC shall negotiate a mutually agreeable method of wiring for cross-connects at the secured frame or cabinet. During such period of negotiation or until a mutually agreeable method of wiring is established, the CLEC may obtain from SWBT, the combining services for Network Elements at a non-recurring charge to be set by SWBT at $52.25. This charge shall apply in addition to any other applicable recurring and non-recurring charges.

14.3.3.3 A CLEC may order multiple elements on a single LSR for combining at the secured frame or external cabinet, in accordance with the terms and conditions for ordering and provisioning of UNEs as set out in Attachment 7, Ordering and Provisioning Unbundled Network Elements.

14.3.3.4 SWBT will develop performance measures related to the timeliness and accuracy of its provisioning of elements for combining at the secured frame or external cabinet, during the six-month review process as set out in Attachment 17, Performance Remedy Plan. These measures will be incorporated into the liquidated damages and assessments provisions of Attachment 17.

14.3.4 SWBT may not substitute the above described methods of combining UNEs for its own continued performance of such connections at cost based rates if the FCC or reviewing court has determined that the ILECs have an obligation to perform such connections.

14.4 For service to residential customers, beginning March 6, 2004:

14.4.1 If the FCC or the Commission determines that a certain network element need not be provided under Section 251(c)(3) of the FTA, either statewide or in a particular location or locations, SWBT may set the price of such network element(s) at a market level for the applicable areas. SWBT will provide 60 days notice (in accordance with the Notice provision in the General Terms and Conditions of this Agreement) to CLEC that the FCC or the Missouri Public Service Commission has made such a determination. SWBT will include in the notice the specifics of any pricing changes and the implementation dates for the pricing changes applicable to CLEC. Existing nonrecurring prices will apply to any UNEs for which orders are received prior to midnight on the day preceding the date specified for the pricing change. Application of the market level nonrecurring prices will apply beginning at 12:01 a.m. on the date specified for implementation. Application of the market level recurring charges will apply beginning at 12:01 a.m. on the date specified for implementation without regard to the time or date the orders were received by SWBT. To the extent that the FCC or Commission determination eliminates the obligation to supply an element at TELRIC rates as part of a platform of unbundled network elements, *i.e.*, a combination of

elements sufficient to permit a CLEC to deliver end-to-end service to an end user customer without using CLEC equipment or facilities (other than operator services and directory assistance service that the CLEC may supply via customized routing), then, in pricing the unbundled network element platform under this provision, SWBT shall not increase the total price of the platform by more than twenty (20) percent each year.

14.4.2 If the FCC or a court modifies (after this Agreement is executed by the Parties) the TELRIC methodology applicable to unbundled network elements, SWBT and CLEC may renegotiate the applicable prices for unbundled network elements provided pursuant to Section 251(c)(3) of Title 47, United States Code. If the Parties are unable to reach agreement on applicable prices within 135 days of the request by either Party for such negotiations, either Party may submit remaining disputes to the Missouri Commission for arbitration. The scope of renegotiation and arbitration of prices under this section will be limited to the scope of the FCC or court modification of the TELRIC methodology to the extent that such methodology was relied upon in setting the unbundled network element rates in this Agreement, and further limited to the impact that the modification of the TELRIC methodology would have had if it had been in effect at the time the UNE prices in Appendix Pricing UNE – Schedule of Prices were established. Pending the establishment of any modified prices by Commission arbitration award or Commission approval of negotiated modifications, the prices set forth in Appendix Pricing UNE -- Schedule of Prices will apply.

14.5 To the extent the Commission by arbitration, authorizes new unbundled network elements, SWBT will provide such elements, consistent with the terms of this Section, to CLEC. If the Commission-approved unbundled network element is operational, CLEC may obtain the unbundled network element through the Commission's 252(i) process or through the expedited special request procedure set out in section 2.22.11. If the Commission-approved unbundled network element is not operational at the time it is approved by the Commission in an arbitration, the availability date shall comply with the availability date established in the implementation schedule in effect under that interconnection agreement, and shall not be less than ten days. If the availability date in the interconnection agreement has passed the new unbundled network element is considered operational. If the FCC has authorized a new unbundled network element that the Commission has not previously ordered in an interconnection agreement, SWBT will provide CLEC with a proposed statement of terms and conditions, including prices, for access to any new element within thirty days of CLEC's request after the FCC ruling authorizing access to the new element. If SWBT and CLEC have not agreed on terms and conditions of access to the new element within forty-five days thereafter, either party may take the matter to the Commission for dispute resolution. If the FCC ruling authorizing access to the new element prescribes a different procedure for establishing terms and conditions of access, that procedure will govern.

14.6 Dark fiber as a media for dedicated interoffice transport and for loop feeder in a digital loop carrier environment may be used in connection with residential services, but is more prevalently used in connection with business services. Thus, consistent with its obligations under this Agreement generally and Section 14 specifically, SWBT will provide dark fiber as an unbundled network element subject to the two year provisions of Section 14.3 as opposed to the three year provisions of Section 14.4.

14.7 Enhanced Extended Loop (EEL)

Consistent with Sections 14.3.1, 14.3.2, 14.4.1, and 14.4.2 above:

14.7.1 SWBT will combine unbundled loops with unbundled dedicated transport as described herein to provide enhanced extended loop at the recurring and nonrecurring charges applicable to each UNE requested above, with applicable recurring and nonrecurring charges for cross connects, the Central Office Access Charge where applicable and applicable Service Order Charge. SWBT will cross-connect unbundled 2 or 4-wire analog or 2-wire digital loops to unbundled voice grade/DS0, DS1, or DS3 dedicated transport facilities (DS0 dedicated transport is only available between SWBT central offices) for CLEC's provision of circuit switched or packet switched telephone exchange service to CLEC's own end user customers. SWBT will also cross-connect unbundled 4-wire digital loops to unbundled DS1, or DS3 dedicated transport facilities for CLEC's provision of circuit switched telephone exchange service to CLEC's own end user customers.

14.7.2 The dedicated transport facility will extend from CLEC customer's SWBT serving wire center to either CLEC's collocation cage in a different SWBT central office (in which case, no dedicated transport entrance facility is necessary) or to CLEC's point of access through a dedicated transport entrance facility. CLECs must order the dedicated transport facility, with any necessary multiplexing, from CLEC's collocation cage or CLEC's switch location to the wire center serving CLEC's end user customer. CLEC will order each loop as needed and provide SWBT with the Channel Facility Assignment (CFA) to the dedicated transport. For the loop UNE, the dedicated transport UNE, the cross-connects needed to combine the two, as well as any necessary multiplexing, ordering and provisioning will be pursuant to the ordering and provisioning terms and conditions for UNEs as set out in Attachment 7 of this Agreement. For the loop UNE, the dedicated transport UNE, the cross-connects needed to combine the two, as well as any necessary multiplexing, maintenance will be pursuant to the maintenance terms and conditions for UNEs as set out in Attachment 8 of this Agreement. SWBT will implement electronic ordering of EELs as specified in Attachment 7, Section 1.4.

14.7.3 Alternatively, CLEC may cross-connect unbundled loops with the unbundled dedicated transport facilities in its physical collocation space utilizing its own equipment or through the secured frame room in the central office, or if space is not

available, in an external cross-connect cabinet until space becomes available in the central office. The restrictions on loop and transport facility type, and on CLEC services to be provided over the extended loop, that are contained in Section 14.7.1 regarding SWBT-combined EELs do not apply to the combinations assembled by CLECs under this subsection 14.7.3. CLEC can access the secured frame or the external cross connect cabinet without having to collocate. If CLEC elects the secured frame or cabinet option, CLEC will provide a rolling 12 month forecast, updated every six (6) months, of its expected demand for unbundled loops to be connected with the unbundled dedicated transport facilities in each central office in which CLEC will combine outside of its existing or planned collocation arrangements. Within sixty (60) days of receipt of CLEC's forecast for a given central office, SWBT will construct, at no additional cost to CLEC, a secured frame room in the central office, or, if space is not available, external cross connect cabinet until space becomes available in the central office, where CLEC may combine unbundled loops with the unbundled dedicated transport facilities. There will be no additional charge to the CLEC for SWBT extending loop and transport elements to the secured frame or cabinet. If CLEC submits such a forecast, SWBT will temporarily combine unbundled loops with the unbundled dedicated transport facilities until the secured frame room or external cross connect cabinet is made available to CLEC. When the secured frame room or external cross connect cabinet is made available, CLEC will, within ninety (90) days after providing a forecast for a particular central office or thirty (30) days after receiving appropriate terminal assignment information to place connections on the secured frame, whichever is later, replace the temporary connections made by SWBT, effectively half-tapping the existing temporary connections so that the temporary connection can be removed without interrupting the end user's service. When notified by CLEC that its connections are complete within the period described above, SWBT will remove its temporary connections. If CLEC fails to notify SWBT that it has placed its connections on the secured frame during that period, SWBT will charge CLEC the applicable special access recurring and nonrecurring rates, in lieu of the UNE rates. Such special access charges shall be retroactive to the date SWBT began combining the UNEs for CLEC pursuant to this paragraph. If at any time after a secured frame room or external cross connect cabinet is made available, SWBT is unable to meet CLEC's forecasted demand for use of these arrangements due to a lack of capacity, SWBT will again temporarily combine unbundled loops with the unbundled dedicated transport facilities as an interim arrangement for CLEC until capacity can be provided. When capacity is made available, temporary connections performed by SWBT will be removed as described above. If a CLEC is located at an external cross connect cabinet because SWBT ran out of space in a central office, once there is additional space available in the central office, and a CLEC requests to move to the secured frame room, there will be no charge to the CLEC for moving. Such move shall be coordinated to minimize service disruption to the customer.

If CLEC submits forecasts pursuant to this section, and fails to meet fifty percent (50%) of its submitted forecast for any central office for twelve consecutive months, CLEC will pay SWBT the reasonable costs for those twelve months associated with the unused capacity of the secured frame for that office, *i.e.*, the capacity that would have been used if CLEC had achieved 50% of its forecast and which was not in fact used by other carriers.

SWBT will not disclose the forecasts provided for in this section to any persons other than SWBT employees responsible for provisioning extended loops under the secured frame and cabinet options. Any other disclosure, and any use by SWBT of these forecasts for marketing or business strategic purposes, is prohibited.

14.7.3.1 SWBT and CLECs shall jointly establish, within 30 days from the approval of this Agreement, a detailed procedure for combining 4 wire digital loops (*e.g.*, DS1 loops) to dedicated transport facilities (*e.g.*, DS3 transport) where CLECs are required to combine. In the event the parties are unable to reach agreement, the Commission shall establish the procedure within sixty days.

14.7.4 If CLEC orders a combination of unbundled loops and transport that meet the definition of enhanced extended link in this Agreement that are already connected at the time of the CLEC order (*e.g.*, the elements are in an existing equivalent configuration), SWBT will supply that combination to CLEC as a "pre-existing combination," without separating and recombining the elements, pursuant to Section 14.3 and other applicable provisions of this Agreement. For preexisting combined UNEs, SWBT will not apply a Central Office Access Charge but will apply the recurring and nonrecurring charges applicable to each UNE requested along with the appropriate Service Order Charge.

14.8 For purposes of this Section and, for the time period(s) specified in this Section, SWBT agrees to waive the right to assert that it need not provide pursuant to the "necessary and impair" standards of Section 251(d)(2) of Title 47, United States Code, a network element now available under the terms of this Agreement and/or its rights with regard to the combination of any such network elements that are not already assembled. Except as provided in Section 14.5 above, CLEC agrees that the UNE provisions of this Agreement are non-severable and "legitimately related" for purposes of Section 252(i) of Title 47, United States Code. Accordingly, CLEC agrees to take the UNE provisions of this Agreement in their entirety, without change, alteration or modification, waiving its rights to "pick and choose" UNE provisions from other agreements under Section 252(i) of Title 47, United States Code. This mutual waiver of rights by the Parties will constitute additional consideration for the Agreement.

APPENDIX PRICING - UNE

1.0 Application of Prices

1.1 CLEC agrees to compensate SWBT for unbundled Network elements at the rates contained in this Appendix and Exhibit 1. Unbundled Network Elements are available from SWBT on a per unbundled Network Element basis or in combinations of elements at prices as contained in this Appendix.

1.2 Unless otherwise stated, SWBT will render a monthly bill for Network Elements provided hereunder. Remittance in full will be due within thirty (30) days of receipt of invoice. In accordance with section 8.1 of the General Terms and Conditions, interest will apply on overdue amounts.

1.3 The attached Schedule of Prices sets forth the prices that SWBT will charge CLEC for unbundled Network Elements and certain other items (e.g. Compensation Rates, Hosting Charges, E911 Charges).

1.4 Except for requests that are expressly made subject to the Special Request process described in Section 2.22 of Attachment 6 ("Special Request Elements"), CLEC may order, and SWBT will provide, all Attachment 6 Elements on the basis of the attached Schedule of Prices. The Parties agree that the Appendix Pricing UNE - Schedule of Prices contains a complete list of rate elements and charges associated with unbundled Network Elements and other items, if any, offered by SWBT pursuant to this Attachment This paragraph does not limit or expand the use of the Special Request Process.

1.5 *This Section Intentionally Left Blank*

1.5.1 Zone 1 includes Rate Group D as defined in SWBT's Local Exchange Tariff. Zone 2 includes Rate Group B as defined in SWBT's Local Exchange Tariff. Zone 3 includes Rate Group A as defined in SWBT's Local Exchange Tariff. Zone 4 includes Rate Group C as defined in SWBT's Local Exchange Tariff.

2.0 Recurring Charges

2.1 Recurring Charges, where applicable, are as shown in Appendix-Pricing-UNE.

2.2 Where Rates are shown as monthly, a month will be defined as a calendar month. The minimum term for each monthly rated element will be one (1) month. After the initial month, billing will be on the basis of whole or fractional months used.

2.3 Where rates will be based on minutes of use, usage will be accumulated at the end office and are rounded to the next higher minute per monthly billing cycle. In the long term usage will be measured beginning when the facilities are seized (excluding network

failures) and ending when the facilities are released. SWBT is currently unable to measure busy/don't answer (by/da), but SWBT intends to develop such capability. SWBT will provide CLEC not less than 30 days notice when SWBT begins to measure by/da. No related true up will occur.

2.4 Where rates are based on miles, the mileage will be calculated on the airline distance involved between the locations. To determine the rate to be billed, SWBT will first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No 4. When the calculation results in a fraction of a mile, SWBT will round up to the next whole before determining the mileage and applying rates.

3.0 Non-Recurring Charges

3.1 Non-recurring charges for unbundled Network Elements are included on Appendix Pricing UNE - Schedule of Prices.

3.2 If CLEC provides its own testing for unbundled Network Elements and its testing produces incorrect information which results in SWBT dispatching a repair crew unnecessarily, then CLEC will pay SWBT the cost of the unnecessary trip.

3.3 SWBT offers the following order types. When CLEC issues service orders, CLEC will pay the applicable service order charges contained in Appendix Pricing UNE - Schedule of Prices labeled "Service Order Charges - Unbundled Element". In addition to the charges for the service order types listed below, CLEC will pay, where appropriate, a "Central Office Access Charge " contained in Appendix Pricing UNE - Schedule of Prices in accordance with Section 14.2 of Attachment 6: UNE.

3.3.1 The charges described in this paragraph are separate and distinct from the charges described immediately above. When an existing CLEC UNE customer changes the Presubscribed Interexchange Carrier (PIC), a single charge of $5.83 will apply. For additional PIC changes on that same order, a change of $1.52 for each additional PIC charge will apply.

3.4 Service Orders

3.4.1 Appendix Pricing UNE – Schedule of Prices lists a price for service orders. This price will be applied pursuant to the award in Case No. TO-98-115.

4.0 Maintenance of Service, Time and Materials, and NonProductive Dispatch Charges

4.1 If CLEC requests or approves a SWBT technician to perform special installation, maintenance, or conversion services for Unbundled Network Elements excluding services which SWBT is required to provide under Attachment 6, Attachment 8, or otherwise

under this Agreement, CLEC will pay Maintenance of Service and/or Time and Material Charges for such services as are reasonably required, including requests for installation or conversion outside of normally scheduled working hours.

4.2 Consistent with Attachment 8 Maintenance UNE, if CLEC determines that trouble has occurred in SWBT's equipment and/or facilities, CLEC will issue a trouble report to SWBT.

4.3 CLEC will pay Maintenance of Service charges for technicians' time reasonably required when CLEC reports a suspected failure of a network element and SWBT dispatches personnel to the end user's premises or a SWBT central office and trouble was not caused by SWBT's facilities or equipment. Maintenance of Service charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing.

4.4 CLEC will pay Maintenance of Service charges for technicians' time reasonably required when CLEC reports a suspected failure of a network element and SWBT dispatches personnel and the trouble is in equipment or communications systems provided by an entity other than SWBT or in detariffed CPE provided by SWBT, unless covered under a separate maintenance agreement.

4.5 If CLEC issues a trouble report allowing SWBT access to the end user's premises and SWBT personnel are dispatched but denied access to the premises, then Non Productive Dispatch charges for technicians' time reasonably required will apply. Subsequently, if SWBT personnel are allowed access to the premises, the NonProductive Dispatch charges will still apply.

4.6 Time and Materials and/or Maintenance of Service and/or NonProductive Dispatch charges apply on a first and additional basis for each half hour or fraction thereof, except where the Schedule of Prices provides for per dispatch charges. 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 considered to be Monday through Friday 8 a.m. to 5 p.m. which is SWBT's normally scheduled work day. SWBT's normally scheduled work week is Monday through Saturday. Overtime applies when work is out of a normally scheduled work day during a normally scheduled work week (i.e., weekday nights and/or Saturdays). Premium time is time worked outside of SWBT's normally scheduled work week and includes Sundays and Holidays. Any time not consecutive with SWBT's normally scheduled work day may be subject to a minimum charge of two hours if dispatch of an off duty SWBT employee is necessary.

4.7 SWBT will bill CLEC Time and Materials, NonProductive Dispatch and/or Maintenance of Service Charges only pursuant to CLEC's authorization, including authorizing a dispatch, consistent with procedures outlined in this Agreement.

4.8 SWBT will manage costs of Time and Materials, NonProductive Dispatch and Maintenance of Service Charges activities charged to CLEC in a manner that is consistent with SWBT's internal management of those costs.

4.9 Charges for services contained in this section are listed in Appendix Pricing UNE - Schedule of Prices labeled "Maintenance of Service Charges", "Time and Materials Charges", and "Non Productive Dispatch Charges".

5.0 Application of Usage Sensitive Charges To Particular Call Flows

5.1 This Section Intentionally Left Blank

5.1.1 Unbundled Local Switching (ULS) may include two usage sensitive components: originating usage (ULS-O) and terminating usage (ULS-T). ULS-O represents the use of the unbundled Local Switching element to originate local calls. ULS-T represents the use of the unbundled Local Switching element to terminate local calls.

5.2 **Rate Structure for ULS**

5.2.1 Intra Switch Calls - (calls originating and terminating in the same switch i.e., the same 11 digit Common Language Location Identifier (CLLI) end office):

5.2.1.1 CLEC will pay ULS-O and SS7 signaling for a call originating from an CLEC ULS line or trunk port that terminates to a SWBT end user service line, Resale service line, or any unbundled line or trunk port which is connected to the same end office switch.

5.2.1.2 CLEC will pay ULS-O and SS7 signaling charges for a centrex-like ULS intercom call in which CLEC's user dials from one centrex-like station to another centrex-like station in the same common block defined system.

5.2.1.3 SWBT will not bill ULS-T for Intra switch calls.

5.2.2 Interswitch Calls - (calls not originating and terminating in the same switch) i.e., not the same 11 digit Common Language Location Identifier (CLLI) end office:

5.2.2.1 Local Calls

5.2.2.1.1 General Principles

5.2.2.1.1.1 When a call originates from an CLEC ULS Port, CLEC will pay ULS-O and SS7 signaling charges. If the call routes over SWBT's common network, CLEC will pay charges for Common Transport as reflected in Appendix Pricing UNE - Schedule of Prices. CLEC will also pay Tandem Switching charges where applicable as reflected in Appendix Pricing UNE - Schedule of Prices.

5.2.2.1.1.1.1 The Parties agree that, for calls originated over unbundled local switching and routed over common transport, SWBT will not be required to record and will not bill actual tandem switching usage. Rather, CLEC will pay the rate shown on Appendix Pricing UNE - Schedule of Prices labeled "Blended Transport," for each minute of use of unbundled common transport, whether or not the call actually traverses the tandem switch.

5.2.2.1.1.2 When a call terminates to an CLEC ULS Port, CLEC will pay ULS-T charges.

5.2.2.1.2 Illustrative Call Flows

The following call flows provide examples of application of usage sensitive UNE charges and compensation as set out in Attachment 12: Compensation.

5.2.2.1.2.1 CLEC (UNE) Originating and SWBT Terminating:

CLEC Pays:
ULS - O
Applicable Common Transport and Tandem Switching
SS7 Signaling
Applicable End Office Switching (aka Terminating Compensation)

5.2.2.1.2.2 SWBT Originating and CLEC (UNE) Terminating

CLEC Pays:
ULS – T

SWBT pays:
Applicable End Office Switching (aka Terminating Compensation)

5.2.2.1.2.3 CLEC (UNE) Originating and CLEC (UNE) Terminating

CLEC Pays:
ULS - O
Applicable Common Transport and Tandem Switching
SS7 Signaling

5.2.2.1.2.4 CLEC (UNE) Originating and CLEC (UNE) Terminating

CLEC Pays:
ULS - O
Applicable Common Transport and Tandem Switching
SS7 Signaling
ULS - T

5.2.2.1.2.5 CLEC (UNE) Originating and CLEC (UNE) Terminating

CLEC Pays:
ULS - T

5.2.2.1.2.6 CLEC (Resale services) Originating and CLEC (UNE) Terminating

CLEC Pays:
ULS – T

5.2.2.1.2.7 CLEC (UNE) Originating and CLEC (Resale services) Terminating

CLEC Pays:
ULS - O
Applicable Common Transport and Tandem Switching
SS7 Signaling

5.2.2.1.2.8 CLEC (UNE) Originating to CLEC (Facilities Based Network (FBN)) Terminating

CLEC Pays:
ULS - O
Applicable Common Transport and Tandem Switching
SS7 Signaling

5.2.2.1.2.9 CLEC (FBN) Originating to CLEC (UNE) Terminating

CLEC Pays:
ULS - T

5.2.2.2 IntraLATA and InterLATA Toll Calls [N]

5.2.2.2.1 General Principles

5.2.2.2.1.1 Until the implementation of intraLATA Dialing Parity, CLEC will pay applicable ULS-O, ULS-T, signaling, common transport, and tandem switching charges for all intraLATA toll calls initiated by a CLEC ULS Port.

5.2.2.2.1.2 After the implementation of intraLATA Dialing Parity, intraLATA toll calls from CLEC ULS Ports will be routed to the end user intraLATA Primary Interexchange Carrier (PIC) choice. When an interLATA toll call is initiated from an ULS port it will be routed to the end user interLATA PIC choice.

5.2.2.2.1.2.1 CLEC may provide exchange access transport services to IXCs for intraLATA traffic originated by or terminating to CLEC local service customers, upon request, using unbundled network elements. For interLATA toll calls and intraLATA toll calls (post dialing parity) that are originated by local customers using SWBT unbundled local switching, CLEC may offer to deliver the calls to the PIC at the SWBT access tandem, with CLEC using unbundled common transport and tandem switching to transport the call from the originating unbundled local switch to the PIC's interconnection at the access tandem. When the PIC agrees to take delivery of toll calls under this arrangement, then CLEC will pay SWBT ULS-O usage, signaling, common transport, and tandem switching for such calls. SWBT will not bill any access charges to the PIC under this arrangement. CLEC may use this arrangement to provide exchange access services to itself when it is the PIC for toll calls originated by CLEC local customers using SWBT unbundled local switching.

5.2.2.2.1.2.2 If the PIC elects to use transport and tandem switching provided by SWBT to deliver interLATA toll calls or intraLATA toll calls (post dialing parity) that are originated by CLEC local customers using SWBT unbundled local switching, then CLEC will pay SWBT ULS-O usage and signaling only in connection with such calls. SWBT will not bill the PIC any originating switching access charges in connection with such calls.

5.2.2.2.1.3 When an IntraLATA or InterLATA toll call terminates to an CLEC ULS Port, CLEC will pay ULS-T charges and SWBT will not charge terminating access to CLEC or the IXC except that SWBT may bill the IXC for terminating transport in cases where the IXC has chosen SWBT as its transport provider.

5.2.2.3 Toll Free Calls

When CLEC uses ULS Ports to initiate an 800-type call, SWBT will perform the appropriate database query and route the call to the indicated IXC. No ULS-O charges will apply. This will be subject to SWBT's ability to provide access recording data to CLEC as referenced in Attachment 6, Section 5.1.1 and Attachment 10, Section 4.4. Thereafter, when SWBT is able to measure originating 800 traffic, and when CLEC uses ULS Ports to initiate an 800-type call, CLEC will pay the 800 database query charge and ULS-O charge. CLEC will be responsible for any billing to the IXC for such calls.

EXHIBIT 1

When CLEC requests a 2-Wire Analog Loop (i.e., 8db loop) with a 2-Wire Analog Switch Port and the Analog Loop to Switch Port Cross-Connect (REQ type "M"), and these items are in a pre-existing combination in Missouri (ACT Type "V"), a service order charge will apply but the non-recurring charges for each of these two individual unbundled network elements and the cross connect will be $0 on an interim basis, subject to true-up as described below, pending the outcome of Missouri Public Service Commission Docket No. TO-98-115 or a future cost proceeding, arbitration or other proceeding involving both parties before the Missouri Public Service Commission to review the costs and set permanent non-recurring charges for these elements and the cross-connect. SWBT will apply the appropriate service order charge and the non-recurring charges for any vertical features requested. Following the issuance of a final order by the Missouri Public Service Commission (subject to any stay pending appeal), the rates established in such proceeding shall immediately apply to this Agreement and the interim rates set forth above in this Exhibit 1 shall be subject to retroactive true-up to the rates established by the Missouri Public Service Commission as described below.

Within thirty (30) days of the Missouri Public Service Commission's issuance of a final order in TO-98-115 or other proceedings, the Parties shall amend this Agreement by filing a revised Exhibit 1 which conforms to the outcome of such final order.

Each of the rates listed in the following Appendix Pricing UNE Schedule of Prices that are interim will be in effect only until the effective date of the Missouri Public Service Commission's order establishing permanent rates, in Case No. TO-2001-438 or otherwise. These include rates for UNEs/Services for which the Commission set interim rates in Case No. TO-98-115 and rates for listed UNEs for which the Commission has not set rates, including unbundled local transport rates. The rates listed in the following Appendix Pricing UNE Schedule of Prices that are interim are subject to true up to the permanent rates established by the Public Service Commission, in Case No. TO-2001-438 or another appropriate case. Any refund or additional charges due as a result of true up shall be paid within thirty days of the effective date of the Commission's order adopting permanent rates. The time period subject to true up shall be limited to six months, retrospectively from the effective date of the Commission's final order adopting permanent rates, but shall not include any period prior to the effective date of this agreement with CLEC.

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
1		UNBUNDLED NETWORK ELEMENTS										
2				UNE								Add M2A UNE rates
3				Network Interface Device								Add M2A UNE rates
4		Local Loops		Disconnect Loop from inside wiring, per NID	NRBND	None	(1)	$ 23.00	(1)	$ 14.32	(1)	Add M2A UNE rates
5				Unbundled Loops								Add M2A UNE rates
6				2W Analog Zone 1	U21/RB9	$ 12.71	(1)	$ 19.55	(1)	$ 8.32	(1)	Add M2A UNE rates
7				2W Analog Zone 2	U21/RB9	$ 18.64	(1A)	$ 19.55	(1A)	$ 8.32	(1A)	Add M2A UNE rates
8				2W Analog Zone 3	U21/RB9	$ 19.74	(1A)	$ 19.55	(1A)	$ 8.32	(1A)	Add M2A UNE rates
9				2W Analog Zone 4	U21/RB9	$ 16.41	(1A)	$ 19.55	(1A)	$ 8.32	(1A)	Add M2A UNE rates
10				Conditioning for dB Loss	UL2	$ 6.63	(1)	$ 17.54	(1)	$ 8.58	(1)	Add M2A UNE rates
11				4W Analog Zone 1	U4H	$ 17.81	(1A)	$ 21.58	(1A)	$ 8.32	(1A)	Add M2A UNE rates
12				4W Analog Zone 2	U4H	$ 31.82	(1A)	$ 21.58	(1A)	$ 8.32	(1A)	Add M2A UNE rates
13				4W Analog Zone 3	U4H	$ 55.04	(1A)	$ 21.58	(1A)	$ 8.32	(1A)	Add M2A UNE rates
14				4W Analog Zone 4	U4H	$ 27.07	(1A)	$ 21.58	(1A)	$ 8.32	(1A)	Add M2A UNE rates
15				2W Digital Zone 1	U2Q/RB8	$ 25.79	(1)	$ 43.33	(1)	$ 22.67	(1)	Add M2A UNE rates
16				2W Digital Zone 2	U2Q/RB8	$ 37.89	(1A)	$ 43.33	(1A)	$ 22.67	(1A)	Add M2A UNE rates
17				2W Digital Zone 3	U2Q/RB8	$ 52.60	(1A)	$ 43.33	(1A)	$ 22.67	(1A)	Add M2A UNE rates
18				2W Digital Zone 4	U2Q/RB8	$ 37.30	(1A)	$ 43.33	(1A)	$ 22.67	(1A)	Add M2A UNE rates
19				4W Digital Zone 1	U4D1X/RB6	$ 91.06	(1A)	$ 102.47	(1A)	$ 40.46	(1A)	Add M2A UNE rates
20				4W Digital Zone 2	U4D1X/RB6	$ 95.45	(1A)	$ 102.47	(1A)	$ 40.46	(1A)	Add M2A UNE rates
21				4W Digital Zone 3	U4D1X/RB6	$ 97.10	(1A)	$ 102.47	(1A)	$ 40.46	(1A)	Add M2A UNE rates
22				4W Digital Zone 4	U4D1X/RB6	$ 91.25	(1A)	$ 102.47	(1A)	$ 40.46	(1A)	Add M2A UNE rates
23		DSL Capable Loops										
24		2-Wire Digital Loop ISDN/IDSL		*PSD #1 - 2-Wire Digital Loop ISDN/IDSL - Zone 1 (Urban STL, KS)	U2Q	See 2-Wire Digital above		See 2-Wire Digital above		See 2-Wire Digital above		
25				*PSD #1 - 2-Wire Digital Loop ISDN/IDSL - Zone 2 (Suburban)	U2Q	See 2-Wire Digital above		See 2-Wire Digital above		See 2-Wire Digital above		
26				*PSD #1 - 2-Wire Digital Loop ISDN/IDSL - Zone 3 (Rural)	U2Q	See 2-Wire Digital above		See 2-Wire Digital above		See 2-Wire Digital above		
27				*PSD #1 - 2-Wire Digital Loop ISDN/IDSL - Zone 4 (Urban Springfield)	U2Q	See 2-Wire Digital above		See 2-Wire Digital above		See 2-Wire Digital above		
28		2-Wire xDSL Loop	**	*PSD #1 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	2SLAX	$ 12.71		$ 26.07		$ 11.09		
29			**	*PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)	2SLAX	$ 20.71		$ 26.07		$ 11.09		
30			**	*PSD #1 - 2-Wire xDSL Loop - Zone 3 (Rural)	2SLAX	$ 33.29		$ 26.07		$ 11.09		
31			**	*PSD #1 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	2SLAX	$ 18.23		$ 26.07		$ 11.09		
32			**	*PSD #2 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	2SLCX	$ 12.71		$ 26.07		$ 11.09		
33			**	*PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)	2SLCX	$ 20.71		$ 26.07		$ 11.09		
34			**	*PSD #2 - 2-Wire xDSL Loop - Zone 3 (Rural)	2SLCX	$ 33.29		$ 26.07		$ 11.09		
35			**	*PSD #2 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	2SLCX	$ 18.23		$ 26.07		$ 11.09		

0177

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate	Nonrecurring Rate First	Nonrecurring Rate Additional	Subsequent Changes
36			**	*PSD #3 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	2SLBX	$ 12.71	$ 26.07	$ 11.09	
37			**	*PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)	2SLBX	$ 20.71	$ 26.07	$ 11.09	
38			**	*PSD #3 - 2-Wire xDSL Loop - Zone 3 (Rural)	2SLBX	$ 33.29	$ 26.07	$ 11.09	
39			**	*PSD #3 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	2SLBX	$ 18.23	$ 26.07	$ 11.09	
40			**	*PSD #4 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	2SLDX	$ 12.71	$ 26.07	$ 11.09	
41			**	*PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)	2SLDX	$ 20.71	$ 26.07	$ 11.09	
42			**	*PSD #4 - 2-Wire xDSL Loop - Zone 3 (Rural)	2SLDX	$ 33.29	$ 26.07	$ 11.09	
43			**	*PSD #4 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	2SLDX	$ 18.23	$ 26.07	$ 11.09	
44			**	*PSD #5 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	U2F	$ 12.71	$ 26.07	$ 11.09	
45			**	*PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)	U2F	$ 20.71	$ 26.07	$ 11.09	
46			**	*PSD #5 - 2-Wire xDSL Loop - Zone 3 (Rural)	U2F	$ 33.29	$ 26.07	$ 11.09	
47			**	*PSD #5 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	U2F	$ 18.23	$ 26.07	$ 11.09	
48			**	*PSD #7 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)	2SLFX	$ 12.71	$ 26.07	$ 11.09	
49			**	*PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)	2SLFX	$ 20.71	$ 26.07	$ 11.09	
50			**	*PSD #7 - 2-Wire xDSL Loop - Zone 3 (Rural)	2SLFX	$ 33.29	$ 26.07	$ 11.09	
51			**	*PSD #7 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)	2SLFX	$ 18.23	$ 26.07	$ 11.09	
52		4-Wire xDSL Loop	**	*PSD #3 - 4-Wire xDSL Loop - Zone 1 (Urban STL, KS)	4SL1X	$ 19.79	$ 28.77	$ 11.09	
53			**	*PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)	4SL1X	$ 35.35	$ 28.77	$ 11.09	
54			**	*PSD #3 - 4-Wire xDSL Loop - Zone 3 (Rural)	4SL1X	$ 61.16	$ 28.77	$ 11.09	
55			**	*PSD #3 - 4-Wire xDSL Loop - Zone 4 (Urban Springfield)	4SL1X	$ 30.08	$ 28.77	$ 11.09	
56				* USOCS used for inventory purpose only					
57									
58		IDSL Capable Loops		IDSL Loop Zone 1 (Rural)	UY5FX	$ 25.79	$ 55.77	$ 30.22	
59				IDSL Loop Zone 2 (Suburban)	UY5FX	$ 42.10	$ 55.77	$ 30.22	
60				IDSL Loop Zone 3 (Urban)	UY5FX	$ 58.44	$ 55.77	$ 30.22	
61				IDSL Loop Zone 4 (Urban SpringField)	UY5FX	$ 41.44	$ 55.77	$ 30.22	
62									
63		HFPL Loop	***	HFPL Loop - Zone 1 (Urban STL, KS))	ULPPX	$ 6.36	N/A	N/A	
64			***	HFPL Loop - Zone 2 (Suburban)	ULPPX	$ 10.36	N/A	N/A	
65			***	HFPL Loop - Zone 3 (Rural)	ULPPX	$ 16.65	N/A	N/A	
66			***	HFPL Loop - Zone 4 (Urban Springfield)	ULPPX	$ 9.12	N/A	N/A	
67		Loop Qualification Process		Loop Qualification Process - Mechanized	NR98U	N/A	$ 0.10	N/A	
68				Loop Qualification Process - Manual	NRBXU	N/A	$ 84.15	N/A	
69				Loop Qualification Process - Detailed Manual	NR98Y	N/A	TBD	N/A	
70		HFPL Splitter	***	SBC owned splitter--line at a time	MYQXB	$ 1.64	N/A	N/A	
71		DSL Conditioning Options	****	Removal of Repeaters	NRBXV	None	$ 289.51	$ 13.74	
72				Incremental Removal of Repeater (> than 17.5 Kft.same location/same cable)	NRBNL	None	$ 358.31	$ 17.14	

0178

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate	Nonrecurring Rate First	Nonrecurring Rate Additional	Subsequent Changes
73				Incremental Additional Removal of Repeater (> than 17.5 Kft.same location/different cable)	NRBNP	None	$ 141.23	$ 17.14	
74			****	Removal of Excessive Bridged Taps and Repeaters	NRBXH	None	$ 727.20	$ 48.09	
75				Incremental Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/same cable)	NR8TV	None	$ 626.25	$ 32.62	
76				Incremental Additional Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/different cable)	NRBTW	None	$ 240.09	$ 32.62	
77			****	Removal of Excessive Bridged Taps	NRBXW	None	$ 484.19	$ 24.24	
78				Incremental Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/same cable)	NRBNK	None	$ 299.64	$ 15.47	
79				Incremental Additional Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/different cable)	NRBNN	None	$ 98.86	$ 15.47	
80			****	Removal of Excessive Bridged Taps and Load Coils	NRBXF	None	$ 727.20	$ 53.96	
81				Incremental Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/same Cable)	NRBM8	None	$ 609.70	$ 23.11	
82				Incremental Additional Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/different Cable)	NRBM9	None	$ 238.13	$ 23.11	
83			****	Removal of Load Coils	NRBXZ	None	$ 727.20	$ 18.18	
84				Incremental Removal of Load Coil (> than 17.5 Kft.same location/same Cable)	NRBNJ	None	$ 329.12	$ 7.30	
85				Incremental Additional Removal of Load Coil (> than 17.5 Kft.same location/different Cable)	NRBNH	None	$ 139.27	$ 7.30	
86						None			
87		Conditioning - REMOVAL OF ALL BRIDGED TAP -							
88				xDSL Loops From 12Kft to 17.5Kft in Length					
89				Removal of All Bridged Taps	NRMRP	None	$ 876.63	NA	
90									
91				xDSL Loops From 0Kft to 17.5Kft in Length					
92				Removal of Non-Excessive Bridged Tap	NRMRJ	None	$ 338.64	NA	
93									
94				xDSL Loops Greater Than 17.5Kft In Length					
95				Incremental Removal of All Bridged Tap > 17.5Kft (per Occurrence)	NRMRM	None	$ 338.64	NA	
96									
97				xDSL Loops Greater Than 17.5Kft In Length					
98				Incremntal Removal of Non-Excessive Bridged Tap > 17.5Kft (per Occurrence)	NRMRS	None	$ 338.64	NA	
99									
100		DSL Cross Connects		DSL Shielded Loop to Collocation	UXRRX	$ 0.80	$ 19.96	$ 12.69	
101				2-Wire DSL Non-Shielded Cross Connect to Collocation	UCX92	$ 0.31	$ 19.96	$ 12.69	
102				4-Wire DSL Non-Shielded Cross Connect to Collocation	UCX94	$ 0.31	$ 19.96	$ 12.69	

0179

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
103			***	#HFPL Cross Connect - CLEC Owned Non-Integrated	UKCGE	$ 0.82		$ 89.20		$ 66.27		
104				#HFPL Cross Connect - CLEC Owned-Integrated	UKCGD	$ 0.82		$ 89.20		$ 66.27		
105			***	#HFPL Cross Connect - SBC Owned	UKCGX	$ 0.82		$ 106.22		$ 77.80		
106				# The price assumes all Central Office cross-connects required to provision the HFPL product								
107		HFPL OSS Charge	***	HFPL OSS Charge - Per Line	UM3	$ 0.61		N/A		N/A		
108		HFPL (LST)		Line & Station Transfer	under development	N/A		TBD		TBD		
109		Loop Cross Connects		**Loop Cross Connects (with testing unless otherwise noted)**								Add M2A UNE Rates
110				Analog Loop to Collo 2W (same CO)	UCXC2	$ 1.89	(1)	$ 26.87	(1)	$ 22.08	(1)	Add M2A UNE Rates
111				Analog Loop to Collo 2W w/o testing (same CO)	UCXD2	$ 0.31	(1)	$ 14.97	(1)	$ 9.52	(1)	Add M2A UNE Rates
112				Analog Loop to Collo 4W (same CO)	UCXC4	$ 3.77	(1)	$ 31.22	(1)	$ 29.56	(1)	Add M2A UNE Rates
113				Analog Loop to Collo 4W w/o testing (same CO)	UCXD4	$ 0.63	(1)	$ 25.38	(1)	$ 17.73	(1)	Add M2A UNE Rates
114				Digital Loop to Collo 2W (same CO)	(UCXC2) Under Development	$ 1.89	(1)	$ 26.87	(1)	$ 22.08	(1)	Add M2A UNE Rates
115				Digital Loop to Collo 2W w/o testing (same CO)	Under Development	$ 0.31	(1)	$ 14.97	(1)	$ 9.52	(1)	Add M2A UNE Rates
116				Digital Loop to Collo 4W (same CO)	(UCXHX Under Development	$ 9.00	(1)	$ 45.03	(1)	$ 34.16	(1)	Add M2A UNE Rates
117				Digital Loop to Collo 4W w/o testing (same CO)	UDLD4	None	(1)	$ 29.04	(1)	$ 28.57	(1)	Add M2A UNE Rates
118				Analog Loop to DCS 2W	(UDLW2) Under Development	$ 0.27	(3)	$ 20.65	(3)	$ 16.50	(3)	Add M2A UNE Rates
119				Analog Loop to DCS 4W	UCXGX	$ 0.54	(3)	$ 20.65	(3)	$ 16.50	(3)	Add M2A UNE Rates
120				Digital Loop to DCS 2W	UDU5X	$ 2.64	(3)	$ 20.65	(3)	$ 16.50	(3)	Add M2A UNE Rates
121				Digital Loop to DCS 4W	(UCXHX) Under Development	$ 8.29	(3)	$ 28.95	(3)	$ 26.47	(3)	Add M2A UNE Rates
122				DS3 Loop to DCS	UDU3X	$ 225.59	(3)	$0.00	(3)	$0.00	(3)	Add M2A UNE Rates
123				Analog Loop to Switch Port	UDLX2	$0.00	(3)	$ 4.17	(3)	$ 3.29	(3)	Add M2A UNE Rates
124				Digital Loop to Switch Port 2W	Under Development	$0.00	(3)	$ 9.40	(3)	$ 9.40	(3)	Add M2A UNE Rates
125				Digital Loop to Switch Port 4W	Under Development	$ 7.51	(3)	$ 37.58	(3)	$ 37.58	(3)	Add M2A UNE Rates
126		Subloop Feeder		2W Analog Zone 1	UK2RC	$ 4.81	(1)	$ 17.16	(1)	$ 7.91	(1)	Add M2A UNE Rates
127				2W Analog Zone 2	UK2RC	$ 6.60	(1)	$ 17.16	(1)	$ 7.91	(1)	Add M2A UNE Rates
128				2W Analog Zone 3	UK2RC	$ 6.87	(1)	$ 17.16	(1)	$ 7.91	(1)	Add M2A UNE Rates
129				2W Analog Zone 4	UK2RC	$ 9.90	(1)	$ 17.16	(1)	$ 7.91	(1)	Add M2A UNE Rates
130				2W Digital Zone 1	Under Development	$ 20.18	(1)	$ 40.52	(1)	$ 20.45	(1)	Add M2A UNE Rates
131				2W Digital Zone 2	Under Development	$ 32.17	(1)	$ 40.52	(1)	$ 20.45	(1)	Add M2A UNE Rates
132				2W Digital Zone 3	Under Development	$ 30.89	(1)	$ 40.52	(1)	$ 20.45	(1)	Add M2A UNE Rates
133				2W Digital Zone 4	Under Development	$ 39.13	(1)	$ 40.52	(1)	$ 20.45	(1)	Add M2A UNE Rates
134				DS1 4W Copper Zone 1	UK4RC	$ 67.05	(1)	$ 73.25	(1)	$ 29.98	(1)	Add M2A UNE Rates
135				DS1 4W Copper Zone 2	UK4RC	$ 67.27	(1)	$ 73.25	(1)	$ 29.98	(1)	Add M2A UNE Rates

0180

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
136				DS1 4W Copper Zone 3	UK4RC	$ 67.17	(1)	$ 73.25	(1)	$ 29.98	(1)	Add M2A UNE Rates
137				DS1 4W Copper Zone 4	UK4RC	$ 70.79	(1)	$ 73.25	(1)	$ 29.98	(1)	Add M2A UNE Rates
138				Dark Fiber Foot Zone 1	ULN5F	$ 0.002085	(1)	None	(1)	None	(1)	Add M2A UNE Rates
139				Dark Fiber Foot Zone 2	ULN5F	$ 0.003156	(1)	None	(1)	None	(1)	Add M2A UNE Rates
140				Dark Fiber Foot Zone 3	ULN5F	$ 0.004752	(1)	None	(1)	None	(1)	Add M2A UNE Rates
141				Dark Fiber Foot Zone 4	ULN5F	$ 0.002085	(1)	None	(1)	None	(1)	Add M2A UNE Rates
142		Subloop Distribution		2W Analog Zone 1	UG2	$ 6.69	(1)	$ 85.08	(1)	$ 35.46	(1)	Add M2A UNE Rates
143				2W Analog Zone 2	UG2	$ 10.68	(1)	$ 85.08	(1)	$ 35.46	(1)	Add M2A UNE Rates
144				2W Analog Zone 3	UG2	$ 12.92	(1)	$ 85.08	(1)	$ 35.46	(1)	Add M2A UNE Rates
145				2W Analog Zone 4	UG2	$ 22.78	(1)	$ 85.08	(1)	$ 35.46	(1)	Add M2A UNE Rates
146				2W Digital Zone 1	UK2	$ 9.63	(1)	$ 86.76	(1)	$ 38.57	(1)	Add M2A UNE Rates
147				2W Digital Zone 2	UK2	$ 13.63	(1)	$ 86.76	(1)	$ 38.57	(1)	Add M2A UNE Rates
148				2W Digital Zone 3	UK2	$ 15.86	(1)	$ 86.76	(1)	$ 38.57	(1)	Add M2A UNE Rates
149				2W Digital Zone 4	UK2	$ 25.70	(1)	$ 86.76	(1)	$ 38.57	(1)	Add M2A UNE Rates
150				4W Digital Zone 1	UK4RE	$ 4.68	(1)	$ 131.83	(1)	$ 52.08	(1)	Add M2A UNE Rates
151				4W Digital Zone 2	UK4RE	$ 6.23	(1)	$ 131.83	(1)	$ 52.08	(1)	Add M2A UNE Rates
152				4W Digital Zone 3	UK4RE	$ 10.05	(1)	$ 131.83	(1)	$ 52.08	(1)	Add M2A UNE Rates
153				4W Digital Zone 4	UK4RE	$ 22.41	(1)	$ 131.83	(1)	$ 52.08	(1)	Add M2A UNE Rates
154		Subloop Cross Connect										Add M2A UNE Rates
155				2W	UCX1X	None	(2)	$ 61.55	(2)	$ 46.35	(2)	Add M2A UNE Rates
156				4W	UCX14	None	(2)	$ 74.00	(2)	$ 50.50	(2)	Add M2A UNE Rates
157				Dark Fiber	UKCTX	$ 47.00	(2)	$ 75.00	(2)	$ 52.50	(2)	Add M2A UNE Rates
158		Local Switching		Standard/Per Orig. or Term. MOU (excluding port) - Zone 1	ZZULS	$ 0.0016200	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
159				Standard/Per Orig. or Term. MOU (excluding port) - Zone 2	ZZULS	$ 0.0019490	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
160				Standard/Per Orig. or Term. MOU (excluding port) - Zone 3	ZZULS	$ 0.0028070	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
161				Standard/Per Orig. or Term. MOU (excluding port) - Zone 4	ZZULS	$ 0.0023910	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
162		Customized Routing Resale AIN		Per customer line	Not Applicable	$ 0.10	(3)	None	(3)	None	(3)	Add M2A UNE Rates
163				Per end office (unless previously charged under UNE)	Not Applicable	None	(3)	$ 85.00	(3)	$85.00	(3)	Add M2A UNE Rates
164				SOAC Table Work (unless previously charged under UNE)	Not Applicable	None	(3)	$ 6,201.00	(3)	$6,201.00	(3)	Add M2A UNE Rates
165				Development 1st LSP	Not Applicable	None	(3)	$ 390,645.00	(3)	None	(3)	Add M2A UNE Rates
166				Development Subsqt LSP	Not Applicable	None	(3)	ICB	(3)	None	(3)	Add M2A UNE Rates
167		Customized Routing UNE AIN		Per query per customer line	ZZURO	$ 0.0002333	(3)	None	(3)	None	(3)	Add M2A UNE Rates
168				SOAC Work Table (if not previously charged under resale)	Not Applicable	None	(3)	$ 7,160.30	(3)	$7,160.30	(3)	Add M2A UNE Rates
169				SOAC Work Table (if previously charged under resale)	Not Applicable	None	(3)	$ 959.30	(3)	$959.30	(3)	Add M2A UNE Rates
170				Per end office (if not previously charged under resale)	Not Applicable	None	(3)	$ 98.10	(3)	$98.10	(3)	Add M2A UNE Rates
171				Per end office (if previously charged under resale)	Not Applicable	None	(3)	$ 13.10	(3)	$13.10	(3)	Add M2A UNE Rates
172				Per Centrex-like Customer	Not Applicable	None	(3)	$ 123.60	(3)	$123.60	(3)	Add M2A UNE Rates
173				Development 1st LSP	Not Applicable	None	(3)	$273,916.32	(3)	None	(3)	Add M2A UNE Rates
174				Development Subsqt LSP	Not Applicable	None	(3)	ICB	(3)	None	(3)	Add M2A UNE Rates

UNE AECN: 8729
RESALE AECN: 7483
ACNA: Z3T

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
175		Ports		Analog Line Port Zone 1	UYP/RBQ	$ 1.74	(1A)	$ 1.27	(1A)	$1.27	(1A)	Add M2A UNE Rates
176				Analog Line Port Zone 2	UYP/RBQ	$ 1.97	(1A)	$ 1.27	(1A)	$1.27	(1A)	Add M2A UNE Rates
177				Analog Line Port Zone 3	UYP/RBQ	$ 2.47	(1A)	$ 1.27	(1A)	$1.27	(1A)	Add M2A UNE Rates
178				Analog Line Port Zone 4	UYP/RBQ	$ 2.25	(1A)	$ 1.27	(1A)	$1.27	(1A)	Add M2A UNE Rates
179				BRI Line Port Zone 1	U1P/RBJ	$ 5.56	(1)	$ 5.36	(1)	$ 3.53	(1)	Add M2A UNE Rates
180				BRI Line Port Zone 2	U1P/RBJ	$ 5.56	(1)	$ 5.36	(1)	$ 3.53	(1)	Add M2A UNE Rates
181				BRI Line Port Zone 3	U1PRBJ	$ 5.56	(1)	$ 5.36	(1)	$ 3.53	(1)	Add M2A UNE Rates
182				BRI Line Port Zone 4	U1PRBJ	$ 5.56	(1)	$ 5.36	(1)	$ 3.53	(1)	Add M2A UNE Rates
183				PRI Line Port Zone 1	UJP/RB5	$ 165.85	(1)	$ 214.53	(1)	$ 98.53	(1)	Add M2A UNE Rates
184				PRI Line Port Zone 2	UJP/RB5	$ 165.85	(1)	$ 214.53	(1)	$ 98.53	(1)	Add M2A UNE Rates
185				PRI Line Port Zone 3	UJP/RB5	$ 165.85	(1)	$ 214.53	(1)	$ 98.53	(1)	Add M2A UNE Rates
186				PRI Line Port Zone 4	UJP/RB5	$ 165.85	(1)	$ 214.53	(1)	$ 98.53	(1)	Add M2A UNE Rates
187				Analog DID Trunk Port Zone 1	U5P/RBT	$ 13.55	(1)	$ 50.04	(1)	$ 50.04	(1)	Add M2A UNE Rates
188				Analog DID Trunk Port Zone 2	U5P/RBT	$ 14.45	(1)	$ 52.10	(1)	$ 52.10	(1)	Add M2A UNE Rates
189				Analog DID Trunk Port Zone 3	U5P/RBT	$ 10.60	(1)	$ 50.04	(1)	$ 50.04	(1)	Add M2A UNE Rates
190				Analog DID Trunk Port Zone 4	U5P/RBT	$ 15.12	(1)	$ 50.04	(1)	$ 50.04	(1)	Add M2A UNE Rates
191				DS1 Trunk Port Zone 1	U9Z	$ 132.14	(1)	$ 121.79	(1)	$ 24.76	(1)	Add M2A UNE Rates
192				DS1 Trunk Port Zone 2	U9Z	$ 126.71	(1)	$ 121.83	(1)	$ 24.83	(1)	Add M2A UNE Rates
193				DS1 Trunk Port Zone 3	U9Z	$ 58.04	(1)	$ 120.35	(1)	$ 22.86	(1)	Add M2A UNE Rates
194				DS1 Trunk Port Zone 4	U9Z	$ 140.35	(1)	$ 123.74	(1)	$ 27.36	(1)	Add M2A UNE Rates
195		Feature Activation per Analog Line Port Type		Call Waiting	ESX	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
196				Call Waiting ID	NWT	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
197				Call Waiting ID Options (for end users type 2.5 CPE)	NWL	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
198				Call Forwarding Variable	ESM	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
199				Call Forwarding Busy Line	EVB	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
200				Call Forwarding Don't Answer	EVD	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
201				Call Forward Busy Line/Don't Answer	E5E	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
202				Call Transfer Disconnect	FG3	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
203				Simultaneous Call Forwarding	ESD	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
204				Remote Access to Call Forwarding	RC3	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
205				Three-Way Calling	ESC	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
206				Speed Calling 8	ESL	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
207				Speed Calling 30	ESF	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
208				Auto Callback/Auto Redial	NSQ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
209				Distinctive Ring/Priority Call	NSK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
210				Selective Call Rejection/Call Blocker	NSY	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
211				Auto Recall/Call Return	NSS	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
212				Selective Call Forwarding	NCE	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
213				Calling # Delivery	NSD	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
214				CNAM Delivery	NMP	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
215				Calling Name/Name Delivery Blocking/Per Ln Block	NBJ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
216				Calling Number/Name Blocking (Per Call)	NSG	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
217				Anonymous Call Rejection	AYK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
218				Customer Alerting Enablement	AWS	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
219				Toll Restriction	DH2	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
220				International Direct Dialing Blocking	NR4BK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates

0182

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
221		Analog Line Port Features/per arrangement		Personalized Ring	DRS	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
222				Personalized Ring 1st DN	DRS1X	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
223				Personalized Ring 2nd DN	DRS2X	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
224				Hunting Arrangement	NR931	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
225		Analog Line Port Feature Activation per successful occurrence		Call Trace (per feature per port)	NST	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
226				Call Trace (per successful occurrence per port)	ZZUCL	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
227		ISDN BRI Basic/BRI Centrex-like & PRI Trunk Side		CSV/CSD per B channel	STHXX	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
228				Additional Call Offering for CSV per B Channel	NCO	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
229				Call Forwarding Don't Answer per B Channel	NQ6	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
230				Call Forwarding Variable per B Channel	NVF	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
231				Three Way Conference Calling Per B Channel	NZ3	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
232		ISDN BRI Centrex-like Features		Intercom Dialing	ERVCN	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
233		ISDN BRI Port Feature Packages		Basic EKTS per B channel	FPG1X	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
234				CACH EKTS per B channel	EFV1X	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
235		ISDN BRI Basic Individual Port Features		Call Forwarding Interface Busy	NQ5	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
236				Calling Number Delivery	ZCN	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
237				Hunt Group for CSD	HTKPG	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
238				Hunt Group for CSV	GXH	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
239				Message Waiting Indicator	NZW	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
240				Secondary Only Telephone Number	DO6	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
241		ISDN PRI Trunk Side Features		Backup D Channel	ZPBXD	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
242				Calling Number Delivery	NXN	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
243				Dynamic Channel Allocation	CCZ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
244		Analog Trunk Port DS1 Digital DID Trunk Port		DID #s - Initial 100 #s	ND8	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
245				DID #S - Addtl.100 #s	ND9	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
246				DID #s - Initial 10 #s	NDZ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
247				DID #s - Addtl. 10 #s	NDA	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
248		Centrex-like System Charges		System Establishment per serving office - Analog Only	SEPUX	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
249				System Establishment per serving office - Analog/ISDN BRI Mix	SEPUY	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
250				System Establishment per serving office - ISDN BRI Only	SEPUU	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
251				System Subsqnt Change per Serving Office - Analog/ISDN BRI mixed sys or BRI only Sys & Add analog to existing ISDN BRI only system	NR93X	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates

0183

UNE AECN: 8729
RESALE AECN: 7483
ACNA: Z3T

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
252				System Subsqnt Conversion per serving office - Add Analog to existing ISDN BRI only system	NR93W	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
253		Analog Line Port & BRI Line Port Centrex-Like Features		Auto Callback Calling/Business Group Callback	RGE	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
254				Call Forwarding Busy Line	GCE	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
255				Call Hold	6AB	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
256				Call Pickup	E3P	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
257				Call Transfer - All Calls	TF1PS	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
258				Class of Service Restr. - Fully	ERSFC	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
259				Class of Service Restr. - Semi	RQW	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
260				Class of Service Restr. - Toll	ERSPA	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
261				Consult. Hold	EBE	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
262				Dial Call Waiting	WDK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
263				Directed Call Pickup - Non Barge In	69D	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
264				Directed Call Pickup - With Barge In	6MD	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
265				Distinctive Ring and Call Waiting Tone	DRJ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
266				Hunting Arrgmt - Basic	HRK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
267				Hunting Arrgmt - Circular	HCK	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
268		Analog Line Port Centrex-Like Features		Standard feature initialization per analog port	NR935	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
269				Call Forwarding Variable/ Business Group Call Forwarding Variable	HWJ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
270				Call Forwarding Don't Answer	69H	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
271				Call Waiting - Intragroup/Business Call Forwarding Var.	NGW	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
272				Call Waiting - Orig.	6SZ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
273				Call Waiting - Term.	HUH	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
274				Speed Calling Personal	E18	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
275				Three Way Calling	ESCPS	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
276				Voice/Data Protection	D7N	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
277		BRI Line Port Centrex-Like Features		Standard feature initialization per ISDN BRI port	NR936	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
278				Speed Calling Personal	NXG	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
279		Tandem Switching		Per MOU per call	ZZUTA	$ 0.001231	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
280		Blended Transport		Per MOU - Zone 1	ZZUBT	$ 0.000535	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
281				Per MOU - Zone 2	ZZUBT	$ 0.000641	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
282				Per MOU - Zone 3	ZZUBT	$ 0.000697	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
283				Per MOU - Zone 4	ZZUBT	$ 0.000507	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
284				Per MOU - Interzone	ZZUBT	$ 0.000681	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
285		Common Transport		Termination MOU Zone 1	ZZUCT	$ 0.0001550	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
286				Termination MOU Zone 2	ZZUCT	$ 0.0002320	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
287				Termination MOU Zone 3	ZZUCT	$ 0.0002460	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
288				Termination MOU Zone 4	ZZUCT	$ 0.0001320	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
289				Termination MOU Interzone	ZZUCT	$ 0.0002710	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
290				Facility Mile MOU Zone 1	ZZUCT	$ 0.0000016	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
291				Facility Mile MOU Zone 2	ZZUCT	$ 0.0000057	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
292				Facility Mile MOU Zone 3	ZZUCT	$ 0.0000117	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
293				Facility Mile MOU Zone 4	ZZUCT	$ 0.0000008	(1A)	None	(1A)	None	(1A)	Add M2A UNE Rates
294				Facility Mile MOU Interzone	ZZUCT	$ 0.0000030	(1)	None	(1)	None	(1)	Add M2A UNE Rates
295		Dedicated Transport		DS1 Entrance Facilities Zone 1	UENHX	$ 162.30	(2)	$ 471.00	(2)	$ 342.00	(2)	Add M2A UNE Rates
296				DS1 Entrance Facilities Zone 2	UENHX	$ 162.30	(2)	$ 471.00	(2)	$ 342.00	(2)	Add M2A UNE Rates
297				DS1 Entrance Facilities Zone 3	UENHX	$ 162.30	(2)	$ 471.00	(2)	$ 342.00	(2)	Add M2A UNE Rates
298				DS1 Entrance Facilities Zone 4	UENHX	$ 162.30	(2)	$ 471.00	(2)	$ 342.00	(2)	Add M2A UNE Rates
299				DS3 Entrance Facilities Zone 1	UENJX	$ 1,884.49	(2)	$ 477.75	(2)	$ 372.00	(2)	Add M2A UNE Rates
300				DS3 Entrance Facilities Zone 2	UENJX	$ 1,884.49	(2)	$ 477.75	(2)	$ 372.00	(2)	Add M2A UNE Rates
301				DS3 Entrance Facilities Zone 3	UENJX	$ 1,884.49	(2)	$ 477.75	(2)	$ 372.00	(2)	Add M2A UNE Rates
302				DS3 Entrance Facilities Zone 4	UENJX	$ 1,884.49	(2)	$ 477.75	(2)	$ 372.00	(2)	Add M2A UNE Rates
303				OC3 Entrance Facilities Zone 1	UENKX	$ 662.30	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
304				OC3 Entrance Facilities Zone 2	UENKX	$ 681.16	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
305				OC3 Entrance Facilities Zone 3	UENKX	$ 719.97	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
306				OC3 Entrance Facilities Zone 4	UENKX	$ 662.30	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
307				OC12 Entrance Facilities Zone 1	UENLX	$ 1,570.55	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
308				OC12 Entrance Facilities Zone 2	UENLX	$ 1,589.41	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
309				OC12 Entrance Facilities Zone 3	UENLX	$ 1,628.22	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
310				OC12 Entrance Facilities Zone 4	UENLX	$ 1,570.55	(3)	$ 608.40	(3)	$ 231.15	(3)	Add M2A UNE Rates
311				VG Interoffice Transport - Term. Zone 1	ULN2S	$ 12.74	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
312				VG Interoffice Transport - Term. Zone 2	ULN2S	$ 12.89	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
313				VG Interoffice Transport - Term. Zone 3	ULN2S	$ 13.25	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
314				VG Interoffice Transport - Term. Zone 4	ULN2S	$ 12.74	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
315				VG Interoffice Transport - Term. Interzone	ULN2S	$ 13.87	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
316				VG Interoffice Transport - Mile Zone 1	ULN2S	$ 0.011	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
317				VG Interoffice Transport - Mile Zone 2	ULN2S	$ 0.057	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
318				VG Interoffice Transport - Mile Zone 3	ULN2S	0.113	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
319				VG Interoffice Transport - Mile - Zone 4	ULN2S	0.011	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
320				VG Interoffice Transport - Mile - Interzone	ULN2S	0.057	(3)	$ 87.06	(3)	$ 98.46	(3)	Add M2A UNE Rates
321				DS1 Interoffice Transport - 1st Mile Zone 1	ULNHS	$ 46.85	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
322				DS1 Interoffice Transport - 1st Mile Zone 2	ULNHS	$ 70.87	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
323				DS1 Interoffice Transport - 1st Mile Zone 3	ULNHS	$ 71.61	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
324				DS1 Interoffice Transport - 1st Mile-Zone 4	ULNHS	$ 42.78	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
325				DS1 Interoffice Transport - 1st Mile- Interzone	ULNHS	$ 81.61	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
326				DS1 Interoffice Transport - Add'l Mile Zone 1	ULNHS	$ 0.51	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
327				DS1 Interoffice Transport - Add'l Mile Zone 2	ULNHS	$ 1.36	(1A)	$ 174.43	(1A)	$ 118.14	(1A)	Add M2A UNE Rates
328				DS1 Interoffice Transport - Add'l Mile Zone 3	ULNHS	$ 1.60	(1)	$174.43	(1)	$118.14	(1)	Add M2A UNE Rates
329				DS1 Interoffice Transport - Add'l Mile - Zone 4	ULNHS	$ 0.19	(1)	$174.43	(1)	$118.14	(1)	Add M2A UNE Rates
330				DS1 Interoffice Transport - Add'l Mile - Interzone	ULNHS	$ 0.97	(1)	$174.43	(1)	$118.14	(1)	Add M2A UNE Rates
331				DS3 Interoffice Transport - 1st Mile Zone 1	ULNJS	$ 754.05	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
332				DS3 Interoffice Transport - 1st Mile Zone 2	ULNJS	$ 1,486.67	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
333				DS3 Interoffice Transport - 1st Mile Zone 3	ULNJS	$ 1,670.39	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
334				DS3 Interoffice Transport - 1st Mile Zone 4	ULNJS	$ 643.14	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
335				DS3 Interoffice Transport -1st Mile-Interzone	ULNJS	$ 1,924.75	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
336				DS3 Interoffice Transport - Add'l Mile Zone 1	ULNJS	$ 12.75	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
337				DS3 Interoffice Transport - Add'l Mile Zone 2	ULNJS	$ 46.01	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
338				DS3 Interoffice Transport - Add'l Mile Zone 3	ULNJS	$ 79.54	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
339				DS3 Interoffice Transport -Add'l Mile-Zone 4	ULNJS	$ 16.16	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
340				DS3 Interoffice Transport -Add'l Mile-Interzone	ULNJS	$ 21.08	(1A)	$ 170.28	(1A)	$ 130.07	(1A)	Add M2A UNE Rates
341				OC3 Interoffice Transport - Term. Zone 1	ULNKS	$ 1,381.04	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
342				OC3 Interoffice Transport -Term. Zone 2 (Includes 1st Mile)	ULNKS	$ 1,461.22	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates

0185

UNE AECN: 8729
RESALE AECN: 7483
ACNA: Z3T

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
343				OC3 Interoffice Transport -Term. Zone 3 (Includes 1st Mile)	ULNKS	$ 2,188.84	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
344				OC3 Interoffice Transport - Term.- Zone 4 (Includes 1st Mile)	ULNKS	$ 1,381.04	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
345				OC3 Interoffice Transport - Term.- Interzone (Includes 1st Mile)	ULNKS	$ 2,578.91	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
346				OC3 Interoffice Transport - Mile Zone 1	ULNKS	$ 27.85	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
347				OC3 Interoffice Transport - Mile Zone 2	ULNKS	$ 48.47	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
348				OC3 Interoffice Transport - Mile Zone 3	ULNKS	$ 175.76	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
349				OC3 Interoffice Transport - Mile - Zone 4	ULNKS	$ 27.85	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
350				OC3 Interoffice Transport - Mile - Interzone	ULNKS	$ 43.27	(3)	$ 562.41	(3)	$ 276.80	(3)	Add M2A UNE Rates
351				OC12 Interoffice Transport -Term. Zone 1	ULNLS	$ 5,238.16	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
352				OC12 Interoffice Transport - Term. Zone 2	ULNLS	$ 5,675.82	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
353				OC12 Interoffice Transport -Term. Zone 3	ULNLS	$ 8,048.17	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
354				OC12 Interoffice Transport -Term - Zone 4	ULNLS	$ 5,238.16	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
355				OC12 Interoffice Transport -Term - Interzone	ULNLS	$ 9,804.49	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
356				OC12 Interoffice Transport - Mile Zone 1	ULNLS	$ 111.40	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
357				OC12 Interoffice Transport - Mile Zone 2	ULNLS	$ 193.85	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
358				OC12 Interoffice Transport - Mile Zone 3	ULNLS	$ 703.03	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
359				OC12 Interoffice Transport -Mile - Zone 4	ULNLS	$ 111.40	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
360				OC12 Interoffice Transport -Mile - Interzone	ULNLS	$ 173.08	(3)	$ 577.05	(3)	$ 297.74	(3)	Add M2A UNE Rates
361				OC48 Interoffice Transport - Urban Term.	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
362				OC48 Interoffice Transport - Suburban Term.	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
363				OC48 Interoffice Transport - Rural Term.	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
364				OC48 Interoffice Transport -Term. Interzone	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
365				OC48 Interoffice Transport - Urban Mile	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
366				OC48 Interoffice Transport - Suburban Mile	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
367				OC48 Interoffice Transport - Rural Mile	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
368				OC48 Interoffice Transport - Interzone Mile	ULNNS	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
369		Dedicated Transport Cross Connect		Voice Grade 2W	UCXV2	$ 2.88	(3)	$ 47.38	(3)	$ 35.31	(3)	Add M2A UNE Rates
370				VG 4W	UCXV4	$ 4.05	(3)	$ 53.06	(3)	$ 38.50	(3)	Add M2A UNE Rates
371				DS1	UCXHX	$ 12.00	(2)	$ 74.25	(2)	$ 71.25	(2)	Add M2A UNE Rates
372				DS3	UCXJX	$ 30.08	(1)	$ 54.98	(1)	$ 42.90	(1)	Add M2A UNE Rates
373				OC3	UCXKX	$ 50.00	(3)	$ 233.77	(3)	$ 115.32	(3)	Add M2A UNE Rates
374				OC12	UCXLX	$ 50.00	(3)	$ 239.85	(3)	$ 124.04	(3)	Add M2A UNE Rates
375				OC48	UCXNX	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
376		Digital Cross-Connect System		DS0 DCS Port	(UDU5X) Under Development	$ 13.70	(2)	$ 24.30	(2)	None	(2)	Add M2A UNE Rates
377				DS1 DCS Port	UDUDX	$ 45.14	(2)	$ 42.32	(2)	None	(2)	Add M2A UNE Rates
378				DS3 DCS Port	(UDU3X) Under Development	$ 490.05	(2)	$ 32.00	(2)	None	(2)	Add M2A UNE Rates
379				DCS Establishment	SEPU3	None	(2)	$ 1,291.50	(2)	None	(2)	Add M2A UNE Rates
380				Database Modification	NR9U4	None	(2)	$ 65.33	(2)	None	(2)	Add M2A UNE Rates
381				Reconfiguration Charge	Not Applicable	None	(2)	$ 0.94	(2)	None	(2)	Add M2A UNE Rates
382		Multiplexing		VG to DS1	UM4BX	$ 180.00	(2)	$ 195.00	(2)	$ 120.75	(2)	Add M2A UNE Rates
383				DS1 to DS3	UM4AX	$ 815.00	(2)	$ 1,029.00	(2)	$ 609.75	(2)	Add M2A UNE Rates
384		SS7		SS7 Link Cross Connect - DS0	5-state billed in IBIS	$ 74.15		$ 299.30		$ 235.75		

0186

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
385				SS7 Link Cross Connect - DS1	5-state billed in IBIS	$ 53.65		$ 266.70		$ 203.15		
386				STP to SWBT MDF - DSO	5-state billed in IBIS	$ 74.15		$ 299.30		$ 235.75		
387				STP to SWBT DSX Frame-DS1	5-state billed in IBIS	$ 53.65		$ 266.70		$ 203.15		
388				STP Port Termination	IBIS billed	$ 621.65		$ 455.65		None		
389				STP Access Link-1.544 Mbps	IBIS billed	See Dedicated Transport		None		None		
390				STP Access Link-56.Kbps (fixed)	IBIS billed	$ 100.16		None		None		
391				STP Access Link-56.Kbps (per mile)	IBIS billed	$ 0.91		None		None		
392				SS7 Transport per Octet	IBIS billed	$ 0.00000280		None		None		
393				Signaling Point Code Addition	IBIS billed	None		$ 59.75		None		
394				Global Title Translation Addition (GTT)	Under development	None		$ 26.60		None		
395		Line Information Database (LIDB)		Validation Query (Includes SMS & Sleuth)	Not Applicable	$ 0.02600		None		None		
396				OLNS Query (Includes SMS)		$ 0.00550		None		None		
397				CNAM Query (Includes SMS)	Not Applicable	$ 0.00360		None		None		
398				Query Transport (Applies to Validation, OLNS & CNAM)	Not Applicable	$ 0.00440		None		None		
399				Service Order Cost	Not Applicable	None		$ 256.70		None		
400				Service Establishment Charge	Not Applicable	None		$ 59.75		None		
401		800 Database		Toll Free Database Query	Not Applicable	$ 0.000445		None		None		
402				Call Handling and Destination	Not Applicable	$ 0.000054		None		None		
403		Service Order Charges - Unbundled Elements		**Electronic UNE Service Order Charge**								Add M2A UNE Rates
404				New Simple - Electronic	NR9W2	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
405				Change Simple - Electronic	NR9GG	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
406				Record Simple - Electronic	NR9GU	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
407				Disconnect Simple - Electronic	NR9GZ	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
408				Suspend Simple - Electronic	NRBJ5	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
409				Restore Simple - Electronic	NRBJ6	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
410				Expedited Simple - Electronic	(NR9W2)	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
411				Customer Not Ready Simple - Electronic	(NR9W2)	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
412				Due Date Change or Cancellation Simple - Electronic	(NR9W2)	None	(1)	$ 5.00	(1)	None	(1)	Add M2A UNE Rates
413				**Mechanized/Manual UNE Service Order Charge**								Add M2A UNE Rates
414				New Simple	NRBUQ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
415				New Complex	NRBUR	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
416				Change Simple	NRBUO	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
417				Change Complex	NRBUP	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
418				Record Simple	NRBUU	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
419				Record Complex	NRBUV	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
420				Disconnect Simple	NRBUW	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
421				Disconnect Complex	NRBUX	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
422				Suspend Simple	NRBJZ	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
423				Suspend Complex	NRBJ7	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
424				Restore Simple	NRBJ9	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
425				Restore Complex	NRBJ8	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates

UNE AECN: 8729
RESALE AECN: 7483
ACNA: Z3T

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
426				Expedited Simple	(NRBUQ)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
427				Expedited Complex	(NRBUR)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
428				Customer Not Ready Simple	(NRBUQ)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
429				Customer Not Ready Complex	(NRBUR)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
430				Due Date Change or Cancellation Simple	(NRBUQ)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
431				Due Date Change or Cancellation Complex	(NRBUR)	None	(2)	$0.00	(2)	None	(2)	Add M2A UNE Rates
432				PIC Change Charge	NRBL9	None	(4)	$5.83	(4)	1.52	(4)	Add M2A UNE Rates
433		Maintenance of Service Charges		Basic Time - per half hour	MVV	None	(4)	$ 30.93	(4)	$ 21.32	(4)	Add M2A UNE Rates
434				Overtime - per half hour	MVV	None	(4)	$ 36.35	(4)	$ 26.73	(4)	Add M2A UNE Rates
435				Premium Time - per half hour	MVV	None	(4)	$ 41.77	(4)	$ 32.15	(4)	Add M2A UNE Rates
436		Time and Materials Charges		Basic Time - per half hour	ALK,ALH,ALT	None	(4)	$ 30.93	(4)	$ 21.32	(4)	Add M2A UNE Rates
437				Overtime - per half hour	ALK,ALH,ALT	None	(4)	$ 36.35	(4)	$ 26.73	(4)	Add M2A UNE Rates
438				Premium Time - per half hour	ALK,ALH,ALT	None	(4)	$ 41.77	(4)	$ 32.15	(4)	Add M2A UNE Rates
439		Nonproductive Dispatch Charges		Basic Time - per half hour	MVV	None	(4)	$ 30.93	(4)	$ 21.32	(4)	Add M2A UNE Rates
440				Overtime - per half hour	MVV	None	(4)	$ 36.35	(4)	$ 26.73	(4)	Add M2A UNE Rates
441				Premium Time - per half hour	MVV	None	(4)	$ 41.77	(4)	$ 32.15	(4)	Add M2A UNE Rates
442		Miscellaneous		Performance Data	Not Applicable	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
443				Special Request Processing	Not Applicable	ICB	(2)	ICB	(2)	ICB	(2)	Add M2A UNE Rates
444				Local Discount Report - LDR per WTN (Facility Based/Resale)	CRIS	$ 0.08		None		None		Add M2A UNE Rates
445		Dark Fiber - Interoffice		Dark fiber to Collo Cross-Connect	UCXPX	$ 1.71	(3)	$ 65.87	(3)	$ 48.44	(3)	Add M2A UNE Rates
446				Dark Fiber - Termination	ULYCX	$ 4.50	(1)	$ 42.52	(1)	28.41	(1)	Add M2A UNE Rates
447				Dark Fiber Foot Zone 1	ULNCF	$ 0.002085	(1)	None	(1)	None	(1)	Add M2A UNE Rates
448				Dark Fiber Foot Zone 2	ULNCF	$ 0.003156	(1)	None	(1)	None	(1)	Add M2A UNE Rates
449				Dark Fiber Foot Zone 3	ULNCF	$ 0.004752	(1)	None	(1)	None	(1)	Add M2A UNE Rates
450				Dark Fiber Foot Zone 4	ULNCF	$ 0.002085	(1)	None	(1)	None	(1)	Add M2A UNE Rates
451		OTHER										
452		Directory Assistance		Directory Assistance (DA) - per call	ZZUO3/ZZUO4	$ 0.37		None		None		
453				Directory Assistance Call Completion (DACC) - per call	ZZUO7	$ 0.15		None		None		
454				National Directory Assistance (NDA)	ZZUO5/ZZUO6	$ 0.65		None		None		
455				Directory Assistance Non-Pub Emergency Service	Not Applicable	$ 2.00		None		None		
456				Directory Assistance - Branding - Initial/Subsequent Load	NRBDG	None		$ 1,800.00		None		
457				Directory Assistance - Branding Per call	ZZUCB	$ 0.025		None		None		
458				Directory Assistance - Rate Reference Initial Load	NRBDL	None		$ 2,200.00		None		
459				Directory Assistance - Rate Reference Subsequent Load	NRBDM	None		$ 1,000.00		None		
460				Directory Assistance Listings (DAL)-Initial Load, per listing	Not Applicable	None		$ 0.05850		None		
461				Directory Assistance Listings (DAL)-Update, per listing	Not Applicable	None		$ 0.05850		None		
462				Directory Assistance Listings (DAL)-Non-Pub Emergency Message Service	Not Applicable	$ 2.10		None		None		
463				Business Category Search (BCS)	ZZUOB	$ 0.65		None		None		
464				Reverse Directory Assistance (RDA)	ZZUO8	$ 0.65		None		None		

0188

Line	Change/ Updates	Service	Rate Elements	USOCs	Recurring Rate	Nonrecurring Rate *First*	Nonrecurring *Rate Additional*	Subsequent Changes
465		Operator Services	Operated Services - Fully Automated Call Processing (Per completed automated call)	ZZUO1	0.15	None	None	
466			Operator Services - Operator Assisted Call Processing (Per work second)	ZZUO2	$ 0.020	None	None	
467			Operator Services - Branding Initial/Subsequent Load	NRBDG	None	$ 1,800.00	None	
468			Operator Services - Branding Per call	ZZUCB	$ 0.025	None	None	
469			Operator Services-Rate Reference - Initial	NRBDL	None	$ 2,200.00	None	
470			Operator Services - Rate Reference - Subsequent Load	NRBDM	None	$ 1,000.00	None	
471			Intralata Message Rating - Rate per initial load	Not Applicable	None	$ 605.23	None	
472			Intralata Message Rating - Rate per subsequent changes	Not Applicable	None	$ 605.23	None	
473		Miscellaneous	NXX Migration- Migration Charge per NXX	Not Applicable	None	$ 10,000.00	None	
474		BCR	Per Interstate local message	Not Applicable	$ 0.050	None	None	
475			Per local message	Not Applicable	$ 0.08	None	None	
476		Hosting	Billable Message Records and /or access usage records - per Record Charge	Not Applicable	$ 0.0030	None	None	
477			Hosting: Per Record Charge For Full Status RAO Company-Hosting Network Company	Not Applicable	$ 0.002	None	None	
478			Hosting: Per Record Charge For Full Status RAO Company-National CMDS Network	Not Applicable	$ 0.005	None	None	
479			Hosting: Per Record Charge For Non-Full Status RAO Company-National CMDS Network	Not Applicable	$ 0.007	None	None	
480			Hosting: Per Record Charge For Non-Full Status RAO Company-Hosting Company Network	Not Applicable	$ 0.010	None	None	
481		Clearinghouse	CH processing charge for service - per originated CH record	Not Applicable	$ 0.020	None	None	
482			CH billing message - per message	Not Applicable	$ 0.050	None	None	
483		Poles and Duct	Poles ($/attachment/yr.)*		$ 2.35			
484		(Structure)						
485			Per Foot Conduit Occupancy Fees					
486			Full Duct ($/ft/yr.)		$ 0.41			
487			Half Duct ($/ft/yr)		$ 0.21			
488			*For (1) each one foot of usable space, or fraction thereof, occupied and (2) each additional one foot of space, or fraction thereof, rendered unusable by the attachment's presence.					
489			Contract Administration Fee			$ 125.00		
490			Administrative Record-Keeping Fee			$ 125.00		
491		RECIPROCAL COMPENSATION						
492			**End Office Local Termination - Zone 1 Urban**					
493			Set up charge, per call	ZZUR8	$ 0.002164			
494			Duration charge, per MOU	ZZUR2	$ 0.001309			
495								
496			**End Office Local Termination - Zone 2 Suburban**					
497			Set up charge, per call	ZZUR8	$ 0.002602			
498			Duration charge, per MOU	ZZUR2	$ 0.001575			
499								
500			***End Office Local Termination - Zone 3 Rural***					
501			Set up charge, per call	ZZUR8	$ 0.003748			
502			Duration charge, per MOU	ZZUR2	$ 0.002269			
503								

0189

UNE AECN: 8729
RESALE AECN: 7483
ACNA: Z3T

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
504				End Office Local Termination - Zone 4 - Springfield								
505				Set up charge, per call	ZZUR8	$ 0.003193						
506				Duration charge, per MOU	ZZUR2	$ 0.001933						
507												
508				Tandem Switching								
509				Set up charge, per call		$ 0.002768						
510				Duration charge, per MOU	ZZUR1	$ 0.000642						
511												
512				Common Transport								
513				KS)	ZZUST	$ 0.0001900						
514				Termination per Minute of Use Zone 2 (Suburban)	ZZUST	$ 0.0002850						
515				Termination per Minute of Use Zone 3 (Rural)	ZZUST	$ 0.0003020						
516				Termination per Minute of Use Zone 4 (Suburban Springfield)	ZZUST	$ 0.0001620						
517				Termination per Minute of Use Interzone	ZZURF	$ 0.0003320						
518				Facilities per Minute, per Mile Zone 1 (Urban)	ZZURF	$ 0.0000017						
519				Facilities per Minute, per Mile Zone 2 (Suburban)	ZZURF	$ 0.0000070						
520				Facilities per Minute, per Mile Zone 3 (Rural)	ZZURF	$ 0.0000151						
521				Facilities per Minute, per Mile Zone 4 (Suburban Springfield)	ZZURF	$ 0.0000010						
522				Facilities per Minute, per Mile Interzone	ZZURF	$ 0.0000035						
523												
524		Tandem Switching		Tandem Switching Per Minute of Use	Not Applicable	$ 0.001510		None		None		
525		Common Transport		Common Transport -Termination per Minute of Use Zone 1 (Urban STL, KS)	Not Applicable	$ 0.000190		None		None		
526				Common Transport -Termination per Minute of Use Zone 2 (Suburban)	Not Applicable	$ 0.000285		None		None		
527				Common Transport- Termination per Minute of Use Zone 3 (Rural)	Not Applicable	$ 0.000302		None		None		
528				Common Transport- Termination per Minute of Use Zone 4 (Suburban Springfield)	Not Applicable	$ 0.000162		None		None		
529				Common Transport- Termination per Minute of Use Interzone	Not Applicable	$ 0.000332		None		None		
530				Common Transport-Facilities per Minute, per Mile Zone 1 (Urban)	Not Applicable	$ 0.000002		None		None		
531				Common Transport-Facilities per Minute, per Mile Zone 2 (Suburban)	Not Applicable	$ 0.000007		None		None		
532				Common Transport-Facilities per Minute, per Mile Zone 3 (Rural)	Not Applicable	$ 0.000015		None		None		
533				Common Transport-Facilities per Minute, per Mile Zone 4 (Suburban Springfield)	Not Applicable	$ 0.000001		None		None		
534				Common Transport-Facilities per Minute, per Mile Interzone	Not Applicable	$ 0.000003		None		None		
535		Local Switching		Local Switching-Per Originating or Terminating MOU Zone 1 (Urban STL, KS)	Not Applicable	$ 0.001988		None		None		
536				Local Switching-Per Originating or Terminating MOU Zone 2 (Suburban)	Not Applicable	$ 0.002391		None		None		
537				Local Switching-Per Originating or Terminating MOU Zone 3 (Rural)	Not Applicable	$ 0.003444		None		None		
538				Local Switching-Per Originating or Terminating MOU Zone 4 (Urban Springfield)	Not Applicable	$ 0.002934		None		None		
539		Transiting		Transiting-Zone 1 (Urban STL, KS)	Not Applicable	$ 0.001712		None		None		

0190

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
540				Transiting-Zone 2 (Suburban)	Not Applicable	$ 0.001844		None		None		
541				Transiting-Zone 3 (Rural)	Not Applicable	$ 0.001918		None		None		
542				Transiting-Zone 4 (Urban Springfield)	Not Applicable	$ 0.001679						
543				Transiting-OCA (Optional Area)	Not Applicable	n/a		None		None		
544				Transiting-Out of Region	Not Applicable	$ 0.006000		None		None		
545		OCA		OCA Transport & Termination	Not Applicable	n/a		None		None		
546		INP Remote		Per line	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
547				Add'l Path	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
548		INP Direct		Number	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
549				Trunk Termination	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
550				D4 Channel Bank	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
551				DID Nonrecurring per #	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
552				DID Nonrecurring Transport per MOU	Not Applicable	None	(1)	None	(1)	None	(1)	Add M2A rates
553		NXX Migration per NXX		NXX Migration per NXX	Not Applicable	None	(2)	$ 12,940.00	(2)	None	(2)	Add M2A rates
554		Local Disconnect Report		Local Disconnect Report	Not Applicable	$ 0.003	(4)	None	(4)	None	(4)	Add M2A rates
555		Central Office Access Charge		Residential	Not Applicable	None	(5)	$ 16.35	(5)	None	(5)	Add M2A rates
556				Business	Not Applicable	None	(5)	$ 21.30	(5)	None	(5)	Add M2A rates
557												
558			**	The Parties acknowledge and agree that, subject to the terms and conditions stated herein, SWBT will provide certain								
559				arbitrated rates, terms and conditions set forth in the Appendix Pricing UNE, Schedule of Prices, of this Agreement								
560				based upon statutes, orders, rules and/or regulations issued by federal and state legislatures, courts, and/or								
561				regulatory agencies, specifically including, but not limited to, the Missouri Public Service Commission's Order in the								
562				Consolidated Arbitration, Docket Nos. TO-97-40/TO-97-67, TO-98-115. These statutes, orders, rules and regulations								
563				are the subject of various current appeals, and subsequent appeals may also be taken from those statutes, orders,								
564				rules and regulations. The Parties recognize and agree that, in the event of any amendment of the								
565				Telecommunications Act of 1996, or any administrative, regulatory, legislative or judicial order, rule, opinion or other								
566				legal action, (collectively, "legal actions") which revises or modifies the Parties' rights and/or obligations pertaining								
567				to any matters contained in this Interconnection Agreement ("a subsequent development"), including any action								
568				invalidating or modifying the Interconnection Agreement approved in Docket TO-97-67 and TO-98-115, the relevant								
569				provisions of this Agreement cited above shall be deemed to be automatically modified, amended or conformed to								
570				be consistent with such subsequent development. By executing this document, neither Party is waiving its rights to								
571				contest the validity of any law, rule, court or regulatory decision or order or other requirement that specific								
572				provisions be contained in this contract, nor is any Party waiving its right to argue in the future that any law, rule,								
573				court or regulatory decision or other requirement should be revised, eliminated or modified. In no event shall SWBT								
574				be obligated to provide such rates, terms and conditions beyond the period of time SWBT is obligated to provide								
575				such rates, terms and conditions to the Party who originally arbitrated such provisions								
576												
577			***	The Parties acknowledge and agree that the rates set forth are interim and subject to true-up pending state established rates.								
578												
579			****	Pursuant to the Missouri Public Service Commission's Order in Case No. TO-99-461, the charge for loop conditioning								
580				performed on a single loop of 12,000 feet to 18,000 feet in length shall not exceed $727.20. This provisioning								
581				is governed by Section 2.10 of the General Terms and Conditions Appendix.								
582	(1) Permanent TELRIC Based rates from final Missouri Commission order in TO-97-40											
583	(1A) Permanent TELRIC based rates from Final Missouri Commission order in TO-97-40, Less Voluntary reductions.											
584	(2) Interim subject to prospective change and retrospective true-up to prices established by the Missouri PSC in Case No. TO-2001-438 or other appropriate											
585												
586	(3) Interim subject to prospective change and retrospective true-up to prices established by the Missouri PSC in Case No. TO-2001-438 or other appropriate											
587												
588	(4) Based on Missouri Tariff rates and or taken from SWBT/CLEC Missouri Interconnection Agreements filed with an approved by the Missouri PSC.											
589												

Line	Change/ Updates	Service	Rate Elements	USOCs	Recurring Rate	Nonrecurring Rate First	Nonrecurring Rate Additional	Subsequent Changes
590	(5) Texas Tariff based rate.							
591								
592	(6) Rates are zero until October 7th, 2002.							
593								
594	(7) Pursuant to the Missouri Arbitration Order Case #TO-2000-322, this price changed to $0 on August 1, 2000.							
595								
596	(8) Effective August 1, 2000, manual loop make up information price changed to the rate of $84.15.							
597								
598	(9) SWBT rates for Cross Connects above are final & are not interim or subject to retroactive true up.							
599								
600	(10) Interim rates that are in effect only until the effective date of the Missouri PSC order establishing permanent conditioning charges in Case No. TO-2000-322.							
601								
602	(11) Must be at same location & performed at the same time.							
603								
604	(13) Interim rates in nature and are subject to true-up from the effective date of this agreement to the State Commission's determination of permanent prices.							
605	(14) The Parties acknowledge and agree that the rates set forth are interim and subject to true-up pending state established rates.							
606	***RESALE***				***RESALE DISCOUNTS***			
607			**BUSINESS**		RECURRING	NON-RECURRING		
608			**LOCAL EXCHANGE SERVICE**					
609			Business 1 Party		19.20%	19.20%	NA	
610			Business - Multi-Line Hunting		19.20%	19.20%	NA	
611			Business Measured		19.20%	19.20%	NA	
612			Business Measured (HTG Class of Service)		19.20%	19.20%	NA	
613							NA	
614			***EXPANDED LOCAL CALLING***				NA	
615			Mandatory EAS		19.20%	19.20%	NA	
616			Optional Metropolitan Calling Area		19.20%	19.20%	NA	
617							NA	
618			**VERTICAL SERVICES**				NA	
619			Auto Redial		19.20%	19.20%	NA	
620			Call Blocker		19.20%	19.20%	NA	
621			Call Forwarding		19.20%	19.20%	NA	
622			Call Forwarding - Busy Line		19.20%	19.20%	NA	
623			Call Forwarding - Busy Line/Don't Answer		19.20%	19.20%	NA	
624			Call Forwarding - Don't Answer		19.20%	19.20%	NA	
625			Call Return		19.20%	19.20%	NA	
626			Call Trace		19.20%	19.20%	NA	
627			Call Waiting		19.20%	19.20%	NA	
628			Calling Name		19.20%	19.20%	NA	
629			Calling Number		19.20%	19.20%	NA	
630			ComCall®		19.20%	19.20%	NA	
631			Personalized Ring (1 dependent number)		19.20%	19.20%	NA	
632			Personalized Ring (2 dependent numbers - 1st number)		19.20%	19.20%	NA	
633			Personalized Ring (2 dependent numbers - 2nd number)		19.20%	19.20%	NA	
634			Priority Call		19.20%	19.20%	NA	
635			Remote Access to Call Forwarding		19.20%	19.20%	NA	
636			Selective Call Forwarding		19.20%	19.20%	NA	
637			Simultaneous Call Forwarding		19.20%	19.20%	NA	
638			Speed Calling 8		19.20%	19.20%	NA	
639			Speed Calling 30		19.20%	19.20%	NA	
640			Three Way Calling		19.20%	19.20%	NA	

0192

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
641										NA		
642				**DID**						NA		
643				DID (First Block of 100 - Category 1)		19.20%		19.20%		NA		
644				DID (First Block of 10 - Category 1)		19.20%		19.20%		NA		
645				DID (Ea. adl. block of 10 after first 10 - Category 1)		19.20%		19.20%		NA		
646				DID (Ea. adl. block of 100 after first 100 - Category 2)		19.20%		19.20%		NA		
647				DID (Ea. adl. block of 10 assigned over 1st 100 - Category 2)		19.20%		19.20%		NA		
648				DID (with Multifrequency)		19.20%		19.20%		NA		
649				DID (with Dual-Tone Multifrequency)		19.20%		19.20%		NA		
650				DID (1st 10 Trunks or access lines)		19.20%		19.20%		NA		
651				DID (11th thru 50th trunk or network access line)		19.20%		19.20%		NA		
652				DID (51st trunk or network access line)		19.20%		19.20%		NA		
653										NA		
654				**TRUNKS**						NA		
655				Analog Trunks		19.20%		19.20%		NA		
656				Digital Trunks		19.20%		19.20%		NA		
657										NA		
658				**AIN**						NA		
659				Area Wide Networking		19.20%		19.20%		NA		
660				Disaster Routing Service		19.20%		19.20%		NA		
661				Intelligent Redirectsm		19.20%		19.20%		NA		
662				Intellinumber		19.20%		19.20%		NA		
663				Positive ID		19.20%		19.20%		NA		
664										NA		
665				**OTHER**						NA		
666				Bundled Telecommunications Services (e.g., the Works)		19.20%		19.20%		NA		
667				Customer Alerting Enablement		19.20%		19.20%		NA		
668				Grandfathered Services		19.20%		19.20%		NA		
669				Hot Line		19.20%		19.20%		NA		
670				Hunting		19.20%		19.20%		NA		
671				Local Operator Assistance Service		13.91%		13.91%		NA		
672				Night Number associated with Telephone Number		19.20%		19.20%		NA		
673				Night Number associated with a Terminal		19.20%		19.20%		NA		
674				Promotions (Greater than 90 days)		19.20%		19.20%		NA		
675				Preferred Number Service		19.20%		19.20%		NA		
676				Telebranch®		19.20%		19.20%		NA		
677				TouchTone		19.20%		19.20%		NA		
678				Voice Dial		19.20%		19.20%		NA		
679				Warm Line		19.20%		19.20%		NA		
680										NA		
681				**Data Services**						NA		
682				Gigabit Ethernet Metropolitan Area Network (GigaMAN)		19.20%		19.20%		NA		
683				PBX Trunks		19.20%		19.20%		NA		
684				Mulit-Service Optical Network (MON)		19.20%		19.20%		NA		
685				OCn-PTP		19.20%		19.20%		NA		
686				DS3		19.20%		19.20%		NA		
687										NA		
688				**ISDN**						NA		
689				Digilinesm (ISDN BRI)		19.20%		19.20%		NA		
690				Select Video Plus®		19.20%		19.20%		NA		
691				Smart Trunksm (ISDN PRI)		19.20%		19.20%		NA		
692				SuperTrunk		19.20%		19.20%		NA		
693										NA		

0193

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
694				TOLL						NA		
695				IntraLATA MTS		19.20%		19.20%		NA		
696				MaxiMizer 800®		19.20%		19.20%		NA		
697				OutWATS		19.20%		19.20%		NA		
698				800 Service		19.20%		19.20%		NA		
699										NA		
700				OPTIONAL TOLL CALLING PLANS						NA		
701				1+ SAVERsm		19.20%		19.20%		NA		
702				1+SAVER Direct		19.20%		19.20%		NA		
703				Community Optional Saver		19.20%		19.20%		NA		
704				Outstate Calling Area Service		19.20%		19.20%		NA		
705										NA		
706				PLEXAR®						NA		
707				Plexar I®		19.20%		19.20%		NA		
708				Plexar II®		19.20%		19.20%		NA		
709				Plexar Custom®		19.20%		19.20%		NA		
710										NA		
711				PRIVATE LINE						NA		
712				Analog Private Lines		19.20%		19.20%		NA		
713				Business Video Service		19.20%		19.20%		NA		
714				Digital Loop Service		19.20%		19.20%		NA		
715				DOVLink		19.20%		19.20%		NA		
716				Foreign Exchange Service		19.20%		19.20%		NA		
717				Foreign Serving Office		19.20%		19.20%		NA		
718				Frame Relay		19.20%		19.20%		NA		
719				Group Alerting Services		19.20%		19.20%		NA		
720				MegaLink II®		19.20%		19.20%		NA		
721				MegaLink III®		19.20%		19.20%		NA		
722				MicroLink I®		19.20%		19.20%		NA		
723				MicroLink II®		19.20%		19.20%		NA		
724				MultiPoint Video		19.20%		19.20%		NA		
725				Service Loop Facility Modification Service		19.20%		19.20%		NA		
726										NA		
727						***RESALE DISCOUNTS***				NA		
728				RESIDENCE		RECURRING		NON-RECURRING		NA		
729				LOCAL EXCHANGE SERVICE						NA		
730				Life Line and Link Up America Services		19.20%		19.20%		NA		
731				Residence 1 Party		19.20%		19.20%		NA		
732				Residence Measured		19.20%		19.20%		NA		
733										NA		
734				EXPANDED LOCAL CALLING						NA		
735				Mandatory EAS		19.20%		19.20%		NA		
736				Optional Metropolitan Calling Area		19.20%		19.20%		NA		
737										NA		
738				VERTICAL SERVICES						NA		
739				Auto Redial		19.20%		19.20%		NA		
740				Call Blocker		19.20%		19.20%		NA		
741				Call Forwarding		19.20%		19.20%		NA		
742				Call Forwarding - Busy Line		19.20%		19.20%		NA		
743				Call Forwarding - Busy Line/Don't Answer		19.20%		19.20%		NA		
744				Call Forwarding - Don't Answer		19.20%		19.20%		NA		
745				Call Return		19.20%		19.20%		NA		

0194

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
746				Call Trace		19.20%		19.20%		NA		
747				Call Waiting		19.20%		19.20%		NA		
748				Calling Name		19.20%		19.20%		NA		
749				Calling Number		19.20%		19.20%		NA		
750				ComCall®		19.20%		19.20%		NA		
751				Personalized Ring (1 dependent number)		19.20%		19.20%		NA		
752				Personalized Ring (2 dependent numbers - 1st number)		19.20%		19.20%		NA		
753				Personalized Ring (2 dependent numbers - 2nd number)		19.20%		19.20%		NA		
754				Priority Call		19.20%		19.20%		NA		
755				Remote Access to Call Forwarding		19.20%		19.20%		NA		
756				Selective Call Forwarding		19.20%		19.20%		NA		
757				Simultaneous Call Forwarding		19.20%		19.20%		NA		
758				Speed Calling 8		19.20%		19.20%		NA		
759				Three Way Calling		19.20%		19.20%		NA		
760										NA		
761				**ISDN**						NA		
762				Digiline		19.20%		19.20%		NA		
763										NA		
764				**OTHER**						NA		
765				Bundled Telecommunications Services (e.g., the works		19.20%		19.20%		NA		
766				Customer Alerting Enablement		19.20%		19.20%		NA		
767				Grandfathered Services		19.20%		19.20%		NA		
768				Hot Line		19.20%		19.20%		NA		
769				Promotions (Greater than 90 days)		19.20%		19.20%		NA		
770				Preferred Number Service		19.20%		19.20%		NA		
771				TouchTone		19.20%		19.20%		NA		
772				Voice Dial		19.20%		19.20%		NA		
773				Warm Line		19.20%		19.20%		NA		
774										NA		
775						***RESALE DISCOUNTS***				NA		
776				***OTHER (Resale)***		RECURRING		NON-RECURRING		NA		
777										NA		
778				**DIRECTORY ASSISTANCE SERVICES**		13.91%		13.91%		NA		
779				Nationwide Listing Services (NLS)		13.91%		13.91%		NA		
780										NA		
781				**TOLL**						NA		
782				Home 800sm		19.20%		19.20%		NA		
783				IntraLATA MTS		19.20%		19.20%		NA		
784										NA		
785				**OPTIONAL TOLL CALLING PLANS**						NA		
786				1+ SAVERsm		19.20%		19.20%		NA		
787				1+SAVER Direct		19.20%		19.20%		NA		
788				Community Optional Saver		19.20%		19.20%		NA		
789				Outstate Calling Area Service		19.20%		19.20%		NA		
790				900 Call Restriction		19.20%		19.20%		NA		
791				Access Services		0%		0%		NA		
792				Additional Directory Listings		19.20%		19.20%		NA		
793				Bill Plus		5%		5%		NA		
794				Company Initiated Suspension Service		0%		0%		NA		
795				Directory Assistance Services		13.91%		13.91%		NA		
796				Connections with Terminal Equipment and Communications Equipment		0%		0%		NA		
797				Consolidated Billing		5%		5%		NA		

Line	Change/ Updates	Service		Rate Elements	USOCs	Recurring Rate		Nonrecurring Rate First		Nonrecurring Rate Additional		Subsequent Changes
798				Construction Charges		0%		0%		NA		
799				Customer Initiated Suspension Service		0%		0%		NA		
800				Exchange Interconnection Service		0%		0%		NA		
801				Operator Services		13.91%		13.91%		NA		
802				Local Operator Assistance Service		13.91%		13.91%		NA		
803				Maintenance of Service Charges		0%		0%		NA		
804				Prepaid Calling Cards		19.20%		19.20%		NA		
805				Telecommunications Service Priority Systems		0%		0%		NA		
806				Toll Billing Exception (Billed Number Screen)		19.20%		19.20%		NA		
807				Toll Restriction		19.20%		19.20%		NA		
808				Wireless Carrier Interconnection Services		0%		0%		NA		
809										NA		
810				Electronic Billing Information Data (daily usage) per message		$ 0.003		NA		NA		
811												
812				Local disconnect Report (LDR)								
813				Per WTN		$ 0.10		NA		NA		
814												
815				Simple conversion charge per billable number		NA		$ 25.00		NA		
816				Electronic conversion orders per billable number		NA		$ 5.00		NA		
817				Complex conversion orders per billable number		NA		$ 125.00		NA		
818												
819				SWBT transmittal of CLEC end-user listing to 3rd		NA		$ 100.00		NA		
820				party pub, per occurrence, per dir publisher								
821												
822				OS/DA								
823				Branding - Resellers								
824				- Initial Load	NRBDG	NA		$1,800.00		NA		
825				- Subsequent Load	NRBDG	NA		$1,800.00		NA		
826				- Per Call	ZZUCB	$0.025		NA		NA		
827				External Rater - Resellers								
828				- Initial Load	NRBDL	NA		$2,200.00		NA		
829				- Subsequent Load	NRBDM	NA		$1,000.00		NA		

ATTACHMENT 7: ORDERING AND PROVISIONING UNBUNDLED NETWORK ELEMENTS

1.0 General Requirements

1.1 SWBT will provide pre-order, ordering and provisioning services to CLEC associated with unbundled Network Elements ("UNEs"), pursuant to the requirements set forth in this Attachment 7: Ordering and Provisioning - Unbundled Network Elements.

1.2 Charges for the relevant services provided under this Attachment are included in Appendix Pricing-UNE to Attachment 6.

1.3 CLEC may order, and SWBT will fill orders, for Unbundled Network Elements as defined in Attachment 6. Multiple individual Elements may be requested by CLEC from SWBT on a single Local Service Request (LSR) for a specific customer, without the need to have CLEC send an LSR for each Element.

1.4 CLEC may order, and SWBT will fill orders, for combinations of Unbundled Network Elements, as defined in Attachment 6. Combinations of Unbundled Network Elements may be requested by a CLEC from SWBT on a single LSR for a specific customer, without the need to have CLEC send an LSR for each Element. When no entrance facility is required, CLEC may request an EEL on an LSR without having to submit separate LSRs and ASRs, so long as the EEL components all have the same characteristics (i.e., the same speed, grade, etc.). When an entrance facility is required, both an LSR and an ASR must be submitted for the initial EEL order. However, any subsequent EEL orders involving the same entrance facility may be submitted via an LSR form, without separate submission of an ASR. In accordance with the Change Management Process, SWBT agrees to provide additional electronic methods for ordering EELs on an LSR without need for a separate ASR as those ordering requirements are developed by the industry standard Ordering and Billing Forum.

1.5 For all unbundled Network Elements and Combinations ordered under this Agreement, SWBT will provide pre-order, ordering and provisioning services equal in quality and speed (speed to be measured from the time SWBT receives the service order from CLEC) to the services SWBT provides to its end users for an equivalent service. When UNEs are ordered in combination, for example, loop and switch port, the service must be supported by all the functionalities provided to SWBT's local exchange service customers. This will include but is not limited to, MLT testing, Dispatch scheduling, and Real time Due Date assignment. The ordering and provisioning to support these services will be provided in an efficient manner which meets the performance metrics SWBT achieves when providing the equivalent end user services to an end user.

1.6 SWBT and CLEC agree to work together in the Order and Billing Forum (OBF) and the Telecommunications Industry Forum (TCIF) to establish and conform to uniform industry

standards for electronic interfaces for pre-order, ordering and provisioning. Neither Party waives any of its rights as participants in such forums in the implementation of the standards.

1.7 CLEC and SWBT will use two types of orders to establish local service capabilities based upon a UNE architecture:

1.7.1 Common Use unbundled Network Elements are defined as unbundled Network Elements provided by SWBT that are used by CLEC to provide a Telecommunications Service but are not customer specific including, without limitation, Common Transport, Dedicated Transport, tandem switching, signaling and call-related databases, and Operations Support Systems. When CLEC orders an unbundled Local Switch Port, and does not order customized routing, SWBT will provide CLEC access to SWBT's local network elements for the purposes of completing CLEC end user calls without the need for an order for the following Common Use Network Elements: Common Transport; Signaling and Call Related databases; and Tandem Switching. CLEC will pay the charges for usage of those elements in accordance with Appendix Pricing UNE - Schedule of Prices.

1.7.1.1 When CLEC utilizes UNE switching, SWBT will not delete the associated LIDB database information (except as outlined in Attachment 6, Section 9.4.4.3.1) or Directory Listings database information unless requested by CLEC. SWBT will use a mechanized process to ensure that SWBT's directory listing, 911, and LIDB information for the end-user is not deleted during the process of converting that customer from service provided by SWBT to service provided by a CLEC. In addition, for directory listings, when CLEC submits local service requests (LSRs) for UNE loop and port combinations "as specified" or for "stand alone" UNE switch ports, CLEC will have the option of whether to populate the LSR Directory Listing ("DL") Form. Under these circumstances, SWBT will treat non-submission of the DL Form as instruction to SWBT that the CLEC's end-user listing(s) is to remain the same as the listing(s) currently appears in SWBT's directory listing databases.

1.7.2 Customer Specific unbundled Network Elements are unbundled Network Elements provided by SWBT to CLEC that are used to provide a Telecommunications Service to a single CLEC Customer. Customer Specific unbundled Network Elements include, but are not limited to, the Local Loop, Local Switching and any combination thereof (e.g. local loop and switch port). The customer specific provisioning order, based upon OBF LSR forms, will be used in ordering and provisioning Customer Specific unbundled Network Elements. The applicable standard is TCIF EDI. SWBT agrees that the information exchange will be forms-based using the Local Service Request Form, End User Information Form, Loop Element Form (formerly Loop Service form) and Switch Element Form (formerly Port Form) developed by the OBF. The TCIF 850, 860, 855, 865 and 977 transactions will be used to convey all the necessary data to connect, modify or disconnect SWBT's Customer Specific unbundled Network Elements employed by CLEC to deliver retail local services. CLEC and SWBT will use a mutually agreeable

X.25 or TCP/IP based network to exchange requests. CLEC and SWBT will translate ordering and provisioning requests originating in their internal processes into the agreed upon forms and EDI transactions.

1.8 SWBT will accept an 860 EDI transaction that contains the complete refresh of the previously provided order information (under the original 850 transaction) simultaneously with the supplemental information from CLEC. This treatment with respect to the 860 transaction will be accepted by both parties until the OBF clarifies the information exchanges associated with the supplementing orders and CLEC and SWBT agree upon a mutually acceptable time frame for adapting their internal systems to accommodate the OBF clarifications. In no event will the time frame for adaptation extend more than one year past the date the OBF adopts standards for supplementing orders.

1.9 SWBT will provide CLEC, upon request and not more than once per quarter, an electronic compare file that will contain the subscriber information stored in the SWBT 9-1-1 database for end-user customers served by CLEC through UNE switch ports. CLEC may request that electronic compare files be provided for all of CLEC's UNE switch port customer accounts in Missouri (sorted by NPA), or by specific NPA. At CLEC's option, SWBT will provide the electronic compare file on diskette, or by e-mail to CLEC. The compare file will be created in accordance with NENA standards on data exchange. Requests for electronic compare files will be processed by SWBT within 14 days of receipt of CLEC's request. CLEC will review the electronic compare file(s) for accuracy, and submit any necessary corrections to SWBT via the appropriate 911 listing correction process. Should CLEC wish to obtain the 911 compare file more frequently than once per quarter, terms and conditions for such additional access will be mutually agreed by the parties.

2.0 Pre-Order Interface

2.1 SWBT and CLEC agree to work together to implement for UNEs the Electronic Gateway Interface (EGI) used for resold services that provides non-discriminatory access to SWBT's pre-order process. CLEC and SWBT agree to implement the electronic interface, which will be transaction based, to provide the pre-service ordering information (i.e., address verification, service and feature availability, telephone number assignment, dispatch requirements, due date and Customer Service Record (CSR) information), subject to the conditions as set forth in Attachment 2: Ordering and Provisioning - Resale, Section 1.4.

3.0 Ordering and Provisioning Interface

3.1 In areas where SWBT does not provide an electronic interface for the pre-order, ordering and provisioning processes, SWBT and CLEC will develop manual work around processes until such time as the transactions can be electronically transmitted. If unbundled Network Elements or Combinations are provided by SWBT to CLEC before

electronic interfaces are established between CLEC and SWBT, CLEC will transmit pre-order, ordering and provisioning requests to the SWBT Local Service Center (LSC) via facsimile and/or telephone or other mutually agreed upon means to SWBT. The SWBT LSC will respond to CLEC calls with the same level of service that SWBT provides pursuant to Section 1.5 of Attachment 2. When CLEC elects to process orders manually, it may choose to submit a log listing its order requests. When such a log is submitted, SWBT will return an acknowledgement, verifying which or all of the accompanying orders were received by SWBT on that fax. This return acknowledgement will be submitted within one hour of the time CLEC's log is received. SWBT is developing a process for mechanized fax return of FOC for manually submitted orders.

3.2 SWBT will provide an industry standard ordering EDI interface to enable CLEC to perform all of the service order functions listed in Exhibit A to this Attachment (including conversion as specified, new connects, disconnects, change orders, records only order, Outside Moves, T&F order, supplemental orders, firm order confirmation, jeopardies, rejects, and order completion) for individual and combinations of elements for the capabilities listed in Exhibit A to this Attachment (including individual elements, combinations, TSR to UNE, and UNE to TSR). SWBT and CLEC agree to use an industry standard EDI interface for the EDI ordering process. In addition, CLEC and SWBT agree to use a standard format for (1) ordering and provisioning, (2) time frame and mechanization requirements for transport and (3) Common Use Unbundled Network Elements (including, but not limited to signaling and call related databases, operator services and directory assistance). In any event, SWBT will make all unbundled Network Elements provided for in this Agreement available for ordering and purchase by CLEC.

3.2.1 SWBT also will make available to CLEC LEX. At least the following service order types may be processed via LEX: Conversion (as specified); Change (Features, Listings, interLATA and intraLATA [when available] Long Distance PICs); New Connect; Disconnect; From and To (change of premises with same service).

3.2.2 SWBT will make access to its Southwestern Order Retrieval and Distribution (SORD) system generally available to CLEC upon request. Due to the unique and varied options available to CLEC through use of SORD, CLEC will advise SWBT of the functionalities to which it desires access, such as those identified in the February 26, 1999 Accessible Letter, CLECSS99-027. Specific terms and conditions for those functionalities will be negotiated and incorporated herein through a separate appendix. There is no charge for access to SORD, other than the OSS access charge contained in Appendix Pricing-UNE Schedule of Prices.

3.3 CLEC and SWBT agree to implement the electronic interface, which will be transaction based, to provide the pre-service ordering information for unbundled Network Elements (i.e., address verification, service and feature availability, telephone number assignment, dispatch requirements, due date, and Customer Service Record information (CSR) in English subject to the conditions as set forth in Attachment Resale) with the Effective