2.22.6 If SWBT 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 CLEC. When it receives such authorization, SWBT 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 For a Network Element Special Request that has been accepted, then, as soon as feasible, but not more than sixty (60) days after receipt of the request, SWBT will provide to CLEC 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, CLEC 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 submits the Special Request for any of the following elements: Local Loop, Local Switching; Tandem Switching; Operator Services and Directory Assistance; Interoffice Transport, including Common Transport and Dedicated Transport; Signaling and Call Related Databases; Operations Support Systems; and Cross Connects – and the particular unbundled Network Elements requested is operational at the time of the request, but is not priced under this Agreement, SWBT will provide a price quote to CLEC for that element within twenty days following receipt of CLEC's request. If CLEC does not agree to the price, CLEC may submit the matter within ten days for determination by the Commission in accordance with Section 2.22.5.1 of this Appendix.

2.22.12 Pursuant to the Arbitration Order dated December 11, 1996, in Case No. TO-97-40, both Parties will report to the Commission six months prior to the expiration of this Agreement on the effectiveness and efficiency of the Special Request process.

2.23 The provisions of this agreement that require SWBT not to separate unbundled network elements that are already combined when ordered (e.g., Appendix Unbundled Network Elements, Section 2.8), will remain in effect, independent of the decisions of the United States Court of Appeals for the 8th Circuit in Iowa Utilities Board v. FCC.

2.24 The provisions of this agreement that require SWBT to combine unbundled network elements for CLEC (e.g., Appendix Unbundled Network Elements, Section 11.2, Appendix Ordering and Provisioning - UNE, Section 1.5.1) will remain in effect, independent of the decisions of the United States Court of Appeals for the 8th Circuit in Iowa Utilities Board v. FCC.

2.25 CLEC and SWBT will engage in good faith negotiations to establish terms and conditions under which SWBT will provide CLEC with nondiscriminatory access to its network facilities to enable CLEC to combine unbundled network elements purchased from SWBT. The terms and conditions to be discussed in these negotiations will include, without limitation, the following: nondiscriminatory direct access to SWBT network facilities for effecting physical connections between elements; nondiscriminatory access to OSS Systems to effect electronic combining of elements, including any required systems development; terms for coordinating CLEC and SWBT activities related to combining elements to minimize service interruptions to end user customers; capability to enable CLEC and other LSPs to provision combinations to effect customer conversions and new service turn-ups in commercial quantities; and performance measures relevant to the terms and conditions of combining. The parties will report progress on these negotiations to the MPSC on May 1, 1998 and October 1, 1998. Following the October 1, 1998 progress filing, either party may request the MPSC to resolve any disputes regarding the terms and conditions of network access to be provided to CLEC for combining elements and to resolve any dispute whether the terms of this agreement that require SWBT to connect elements for CLEC (e.g. Appendix Unbundled Network Elements, Section 11.2) or that prohibits SWBT from separating elements that are currently combined (e.g. Appendix Unbundled Network Elements, Section 2.8) should be modified.

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 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 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 For single-unit and small business locations, CLEC will be allowed direct connections to SWBT's NID where spare slots are available. Otherwise, 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 where the NID is easily accessible, 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. For businesses and apartment locations where the customer's wiring is not accessible outside of the SWBT NID, SWBT should rearrange its NID to allow CLEC access to the inside wiring.

3.6 The SWBT NIDs that CLEC uses under this Appendix 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 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.

4.3 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.

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(s) 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 requirement for moving the loop off of the IDLC does not apply when CLEC orders a Loop/Switch port for use in 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**

4.6.1 SWBT will provide unbundled access to each of the following subloop elements: loop distribution; loop concentrator/multiplexer; and the loop feeder facilities. SWBT will provide CLEC with unbundled access to any unused subloop element at all technically feasible locations. Also, if an end user requests that a SWBT service be replaced by an CLEC service and CLEC requests a subloop element that is then being used by SWBT to serve that end user, SWBT will make that subloop element available to CLEC. These locations will generally be those where space is available, where SWBT currently has such elements terminated and from which terminations the subloop element would be cross-connected by SWBT in the course of providing or maintaining service.

4.6.2 Points of sub-loop unbundling

4.6.2.1 Typically, the local loop will be unbundled at the Feeder 'Distribution Interface (FDI). The local loop may also be unbundled at Remote Terminal (RT) appearances. That is, upon CLEC's request and where technically feasible (e.g. space available), SWBT will terminate CLEC's cable in SWBT's FDI/RT and perform subsequent cross connects in SWBT's FDI/RT to CLEC's facilities. All work done within SWBT's FDI/RT will be done by SWBT personnel. CLEC will pay for these terminations and cross connects at the rates reflected in Appendix Pricing labeled "Time and Materials."

4.6.2.2 When CLEC orders the distribution portion of the local loop or the feeder portion of the local loop and no FDI exists along the existing loop, the feeder element will be unbundled from the distribution element at the feeder/distribution splice (or point of transition where the cable facilities change from underground cable counts to aerial counts). In this situation and the situation where the existing FDI has insufficient capacity, a technically appropriate device for interconnection (e.g., FDI or cable stubs) will be established at SWBT's option if SWBT reasonably determines that a technically appropriate device does not already exist. CLEC will reimburse SWBT for the portion of the installation expenses reasonably required to provide interconnection to the sub-loop element ordered by CLEC.

4.6.3 When the loop is unbundled at the FDI there are only two subloop elements (not including the Network Interface Device - NID), Loop Feeder and Loop

Distribution. These elements will be available with the same electrical interfaces described in sections 4.2.1, 4.2.3, and 4.2.4 above.

4.6.4 Loop Feeder is defined as the portion of the loop from the Main Distribution Frame (MDF) in SWBT's Central Office (CO) to the FDI or from the MDF to the RT when CLEC requests unbundling at the RT.

4.6.5 Loop Distribution is defined as the portion of the loop from the FDI to the Network Interface Device (NID) or from the RT to the NID when CLEC requests unbundling of the loop at the RT.

4.6.6 When CLEC purchases Loop Feeder and Loop Distribution, CLEC will pay the appropriate prices in Appendix Pricing under "Subloop Unbundling" labeled "Loop Feeder" and "Loop Distribution".

4.6.7 Whenever CLEC requests subloop unbundling at a RT and wants to order only the Concentrator /Multiplexer to be separated from the Loop Feeder and Loop Distribution, such order will be handled through the Special Request Process.

4.6.8 CLEC will be responsible for service surveillance and monitoring the loop with respect to those sub loop elements which CLEC purchases.

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, operator services, 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.

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 calls on SWBT's common network (i.e., Common Transport) to the appropriate trunk or lines for call origination or termination according to the same criteria that SWBT applies to its own calls.

5.2.3 When CLEC requests Customized Routing, either through Unbundled Local Switching or Resale, SWBT will route local operator and directory assistance calls to CLEC's Operator Services and Directory Assistance platforms. In addition, at CLEC's request, for the Unbundled Local Switching element, SWBT will route local calls to CLEC designated facilities rather than to SWBT's common network.

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 or facilities.) Provided that, for local calls over unbundled switching, CLEC may establish dedicated transport facilities (either unbundled or through an alternate vendor) between SWBT end offices to route local traffic to those end offices. For each end office, ("terminating end office") to which CLEC establishes such dedicated transport from a SWBT end office ("originating end office"), SWBT will selectively route local calls for the NXX code served by the terminating end office onto CLEC's dedicated transport to that end office. Local calls for all NXX codes other than those served by terminating end offices to which selective routing has been established will be transported and terminated over SWBT's common transport network. CLEC may request additional types of Customized Routing for local calls through the Special Request Process.

5.2.3.2 The establishment of customized routing in a SWBT end office will be subject to the rates and conditions specified on an individual case basis as reflected in Appendix Pricing labeled as "Customized Routing".

5.2.3.3 Pending Missouri Public Service Commission approval of the rates for customized routing, CLEC will pay for customized routing on an interim basis at SWBT's proposed rates subject to true-up. When the Commission orders final cost based rates, should those rates differ from the interim rates, parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

5.2.4 **Customized Routing of CLEC Directory Assistance and Operator Services**

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 provided 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 Appendix.

5.2.4.2 SWBT intends to use AIN Customized Routing wherever it is available for use, if the customized routing so provided meets the requirements of the Act. Customized routing through AIN technology will be available by December 31, 1997, subject to the limitations described in 5.2.4.2.1 below. Unless the Parties agree to a different schedule, SWBT will fulfill orders for particular customized routing arrangements using AIN within 30 work days following receipt from CLEC of a completed customized routing end office order and acceptance of SWBT's price proposal developed on an individual case basis (ICB), consistent with Section 5.2.3.3 of this Appendix, but in no event prior to the first work day of 1998. The customized routing end office order will detail the identity of the end office(s), the class(es) of call to be customized routed (i.e. operator services and directory assistance) and the trunk group(s) to which each class of call will be connected. SWBT will provide a price proposal no later than 10 days after receipt of the customized routing end office order.

5.2.4.2.1 Certain services (e.g. hotel/motel, coin services which require network provided coin signaling, ports using voice activated dialing in a 5ESS switch) cannot be customized routed through AIN technology and will require the use of line class codes for the provision of customized routing. Additionally, switches which are not SS7 compatible (i.e. DMS 10 switches) cannot customize route using AIN technology and will require the use of line class codes. SWBT will fulfill orders for particular customized routing arrangements using line class codes within 30 work days following receipt from CLEC of a completed customized routing line class code order and acceptance of SWBT's price proposal developed on an individual case basis (ICB) consistent with Section 5.2.3.3 of this Appendix. The customized routing line class code order will detail the identity of the end office, the class of call to be customized routed (i.e. operator services or directory assistance), the trunk group(s) to which each class of call will be connected and such other information as is reasonably required to complete the order. SWBT will provide the price proposal not longer than 10 days after receipt of the customized routing order.

5.2.4.3 SWBT will make available to CLEC the ability to route all Directory Assistance and Operator Services calls (1+411, 0+411, 0-, and 0+ Local, 0+ IntraLATA toll (prior to dual PIC), 0+HNPA-555-1212 (IntraLATA) (prior to dual PIC), 1+HNPA-555-1212 (IntraLATA) (prior to dual PIC) dialed by CLEC Customers directly 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.

5.2.4.4 SWBT does not currently have the ability to translate 1+411 to another number or the ability to change signaling associated with the custom routed call type. At CLEC's request, SWBT will attempt to develop a suitable method of providing the necessary digit translation and signaling protocol conversion to allow conversion of 1+411 directory assistance calls to a 1+900+XXX+XXXX format in order to provide customized routing of directory assistance calls to a destination selected by CLEC. At the time of CLEC's request, SWBT and CLEC shall agree upon the technical description of the process to be designed, the necessary operational parameters, the necessary billing system parameters, an estimated time for the design of the process, and the estimated costs of designing the process. Upon the completion of the design phase of the project, an operational trial shall be conducted to determine the feasibility of implementation of the new system in the SWBT network. CLEC's obligation to pay for the development of the system shall not be conditioned upon the success of the development of a workable system. By insertion of this clause, SWBT does not agree that it has an obligation under the FTA96 to provide this service.

5.2.4.4.1 At CLEC's request, SWBT will provide functionality and features within its local switch to route CLEC customer-dialed Directory Assistance local and intraLATA calls to the designated trunks via Modified Feature Group C signaling from SWBT's 1AESS and other switch types or as the parties otherwise agree, for direct-dialed calls, (e.g., 1+411, 0, and 0+Local, 1+Home/Foreign NPA-555-1212 sent paid).

5.2.4.5 SWBT will provide the functionality and features within its local switch to route CLEC dialed 0/0+ local and intraLATA calls (prior to dual PIC) to CLEC. (Designated trunks via operator services Modified Feature Group C signaling.)

5.2.4.6 After implementation of dual PIC, SWBT will route IntraLATA Toll calls (as defined by the exchange dialing plan (via the commission mandated dual PIC method (when implemented) when CLEC uses Local Switching elements or resold services. SWBT will route InterLATA calls (as defined by the exchange dialing plan (via the existing PIC process when CLEC uses Local Switching elements).

5.2.4.7 The Parties agree that, in the event of an emergency wherein an CLEC customer must reach a non-CLEC customer that has a non-published telephone number, the CLEC operator will contact SWBT's operator and request the assistance of a supervisor to the extent done by SWBT's operators.

5.2.4.8 SWBT will forward with Directory Assistance and Operator Services calls from CLEC customers the appropriate line data required by CLEC to identify the type of line for the purposes of call handling and recording.

5.2.4.9 Customized 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 on a one time basis 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 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.

5.2.4.11 SWBT will provide access to Operator Services Busy Line Verification/ Emergency Interrupt (BLV/EI). Such access will be performed by the SWBT

operator upon receipt of a request from an CLEC operator. SWBT will meet the same performance results for CLEC customer requests as it does for SWBT customer requests and will size the trunk groups required to perform this function in accordance with the volume demands. SWBT will provide to CLEC performance reports for the BLV/EI access and success rates on a quarterly basis for the next 12 months from the date of Agreement or as mutually agreed to between the Parties. CLEC acknowledges that SWBT will not be able to separate CLEC and SWBT results.

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 and permit customer originated call trace (Appendix Resale, 5.6). 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 Appendix Billing – Other and Appendix Provision of Customer Usage Data - UNE.

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 Appendix Maintenance – UNE and Appendix Provision of Customer Usage Data - UNE.

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, as part of the usage charges associated with ULS.

5.2.14 **Blocking/Screening**

5.2.14.1 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.

5.2.14.2 When AIN customized routing is not employed by CLEC (e.g., DMS-10 switches, 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), SWBT will provide blocking/screening via special line class codes on a ICB basis.

5.2.15 **Directory Assistance Listings**

5.2.15.1 Where CLEC orders a switch port, SWBT will include CLEC's local end user customers' listings in SWBT's Directory Assistance database as part of the service order process. SWBT will also honor all such customers' preferences for listing status (e.g., non-published, unlisted), as noted on the service order request or similar process.

5.3 **Switch Ports**

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 for use in 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.

5.3.1.2.1 The Missouri Commission ordered unbundling of the local switching element, but the interim rates approved by the Missouri Commission did not identify a rate for an Analog (DID) trunk port.

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 capabilities. When CLEC orders a Loop/Switch for use in 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) Trunk Side Port: trunk side switch connection which provides Primary Rate Interface (PRI) ISDN Exchange Service capabilities.

5.3.1.5.1 Input/Output (I/O) Port: A port arranged to provide signaling between a voice mail platform and the central office switch (i.e., SMDI Port or technically equivalent port which is equivalent to the switch port currently used to provide SWBT's tariffed NSII or SII service).

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

5.3.1.7 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 labeled "Tandem Switching". 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 CLEC's (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 Operator Services and Directory Assistance

7.1 Definition: Operator Services and Directory Assistance (OS/DA) is the Network Element that provides operator and automated call handling and billing, special services, customer telephone listings and optional call completion services. The OS/DA Network Element provides two types of functions: Operator Service functions and Directory Service functions, each of which is described in detail below.

7.2 **Operator Service**

This section sets forth the terms and conditions under which SWBT agrees to provide operator services (Operator Services) for CLEC. When CLEC uses Operator Services, CLEC will pay the lowest existing intercompany compensation rate.

7.2.1 **Services** - SWBT will provide the following three tiers of Operator Services:

7.2.1.1 **Fully-Automated** - Allows the caller to complete a call utilizing Automated Alternate Billing Service (AABS) equipment without the assistance of a SWBT Operator, hereafter called Operator. AABS allows the caller the option of using the AABS audio response system. AABS will be offered in areas where facilities exist and where CLEC has Automatic Number Identification (ANI) equipment and TOUCH-TONE service in place. AABS cannot be activated from a rotary telephone and failure or slow response by the caller to the audio prompts will bridge an Operator to the caller for further assistance. The called party must also have TOUCH-TONE service to accept calls that are billed collect or to a third number.

7.2.1.2 **Semi-Automated** - Allows the caller to complete a call by receiving partial assistance from an Operator or when AABS cannot be activated due to equipment limitations.

7.2.1.3 **Non-Automated** - Allows the caller to complete a call by receiving full assistance from an Operator.

7.2.2 **Call Types** - SWBT will provide to CLEC the following call types:

7.2.2.1 **Fully Automated Station-to-Station** - This service is limited to those calls placed collect or billed to a third number. The caller dials 0 plus the telephone number desired, the service selection codes and/or billing information as instructed by the AABS equipment. The call is completed without the assistance of an Operator. This service may also include the following situations:

7.2.2.1.1 The caller identifies himself or herself as disabled and gives the Operator the number to which the call is to be billed (either collect or third number).

7.2.2.1.2 When due to trouble on the network or lack of service components, the automated call cannot be completed without assistance from an Operator.

7.2.2.1.3 When an Operator reestablishes an interrupted call that meets any of the situations described in this Section.

7.2.2.2 **Semi-Automated Station-To-Station** - This service is limited to those calls placed sent paid, collect or billed to a third number. The caller dials 0 plus the telephone number desired and the call is completed with the assistance of an Operator. This service may also include the following situations:

7.2.2.2.1 Where the caller does not dial 0 prior to calling the number desired from a public or semi-public telephone, or from a telephone where the call is routed directly to an Operator (excluding calling card calls).

7.2.2.2.2 When an Operator re-establishes an interrupted call that meets any of the situations described in this Section.

7.2.2.3 **Semi-Automated Person-To-Person** - A service in which the caller dials 0 plus the telephone number desired and specifies to the Operator the particular person to be reached or a particular PBX station, department or office to be reached through a PBX attendant. This service applies even if the caller agrees, after the connection is established, to speak to any party other than the party previously specified. This service may also include the following situations:

7.2.2.3.1 Where the caller does not dial a 0 prior to dialing the number from a public or semi-public telephone, or where the call is routed directly to an Operator.

7.2.2.3.2 When an Operator reestablishes an interrupted call that meets any of the situations described in this Section.

7.2.2.4 **Operator Handled Station-To-Station** - A service provided when the caller dials 0 to reach an Operator, and the Operator dials a sent paid, collect or third number station-to-station call. These calls may originate from a private, public or semi-public telephone. The service may also include when an Operator reestablishes an interrupted call as described in this Section.

7.2.2.5 **Operator Handled Person-To-Person** - A service in which the caller dials 0 and requests the Operator to dial the number desired and the person, station,

department or office to be reached. The call remains a person-to-person call even if the caller agrees, after the connection is established, to speak to any party other than the party previously specified. The service may also include when an Operator reestablishes an interrupted call as described in this Section.

7.2.2.6 **Operator Transfer Service** - A service in which the caller dials 0 and requests to be connected to an interexchange carrier using an Operator's assistance. At the caller's request, the Operator transfers the call to an interexchange carrier participating in SWBT's Operator Transfer Service offering.

7.2.3 **Call Branding/Rate Reference**

7.2.3.0.1 Call branding is the process by which an Operator, either live or recorded, will identify the operator service provider as being CLEC. SWBT will offer Call Branding of Operator Services in the name of CLEC. In the event that the phraseology for branding OS calls is the same phraseology for branding DA calls, only one charge will apply per initial loading or subsequent change. CLEC will pay the charge as reflected in Appendix Pricing labeled Rate Per Initial Load or Rate Per Subsequent Changes to Brand and/or rate per call subject to true-up based on a ruling by the Missouri Commission in the Arbitration proceeding in Docket number TO-97-40 or TO-98-115 (or a decision rendered by the Missouri Commission by December 31, 1998 in a separate proceeding initiated by CLEC). In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms, and conditions included in the Interconnection Agreement between the parties.

7.2.3.0.2 Rate reference is the process by which an operator, either live or recorded, will quote CLEC's rates. When an CLEC caller requests a quotation of rates, CLEC will pay the applicable rates and charges provided for in the lowest existing SWBT intercompany agreement for operator services and Directory Assistance. CLEC will pay the charge as reflected in Appendix Pricing labeled Rate Per Initial Load or Rate per Subsequent Rate change and/or Subsequent reference change subject to true-up based on a ruling by the Missouri Commission in the Arbitration proceeding in Docket Number TO-97-40 or TO-98-115 (or a decision rendered the Missouri Commission by December 31, 1998 in a separate proceeding initiated by AT&T.) In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms, and conditions included in the Interconnection Agreement between the parties.

7.2.3.1 CLEC will provide SWBT with the specific branding phrase to be used to identify CLEC. The standard phrase will be consistent with the general form and content

currently used by the Parties in branding their respective services (e.g., "bong" CLEC).

7.2.3.2 SWBT Operator Services operators will provide Operator Services Rates/Reference Information upon request to CLEC's end users. Rate/Reference information will be provided under the following terms and conditions:

7.2.3.2.1 CLEC will furnish the initial Rate and Reference information in a mutually agreed to format or media thirty (30) days in advance of the date when they are to be provided by SWBT.

7.2.3.2.2 CLEC will inform SWBT, in writing, of any changes to be made to such Rate and Reference Information ten (10) working days prior to the effective rate change date. CLEC acknowledges that it is responsible to provide SWBT updated Rate information in advance of when the Rates are to become effective.

7.2.3.2.3 In all cases when SWBT receives a rate request from an CLEC end user, SWBT will quote the Operator Services rates provided by CLEC.

7.2.4 **Other Operator Assistance Services**

7.2.4.1 **Line Status Verification** - A service in which the caller asks the Operator to determine the busy status of an access line.

7.2.4.2 **Busy Line Interrupt** - A service in which the caller asks the Operator to interrupt a conversation in progress, to determine if one of the parties is willing to speak to the caller requesting the interrupt. A Busy Line Interrupt charge will apply even if no conversation is in progress at the time of the interrupt or the parties interrupted refuse to terminate the conversation in progress.

7.2.4.3 **Handling of Emergency Calls To Operator** - To the extent CLEC's NXX encompasses multiple emergency agencies, SWBT will agree to query the caller as to his/her community and to transfer the caller to the appropriate emergency agency for the caller's community. CLEC will provide to SWBT the communities associated with CLEC's NXX(s).

7.2.4.4 **Calling Card** - Calls billed to an CLEC proprietary calling card (0+ or 0- access) will be routed via transfer to the CLEC operator.

7.2.5 **Responsibilities of SWBT**

7.2.5.1 SWBT will provide and maintain such equipment as is required to furnish the Operator Services as described in this section.

7.2.5.2 Facilities necessary for SWBT to provide Operator Services to CLEC will be provided by SWBT using standard trunk traffic engineering procedures to ensure that the objective grade of service is met.

7.2.5.3 SWBT will provide Operator Services in accordance with the operator methods and practices in effect for SWBT at the time the call is made, unless otherwise agreed in writing by both Parties.

7.2.5.4 SWBT will accumulate and provide CLEC such data as necessary for CLEC to verify traffic volumes and bill its customers.

7.2.6 **Responsibilities of Both Parties**

7.2.6.1 The Party(ies) that provide the circuits between CLEC and SWBT offices will make such circuits available for use in connection with the OS services covered herein. When the total traffic exceeds the capacity of the existing circuits, the Party(ies) will provide additional circuits, to the extent necessary.

7.2.6.2 SWBT will brand Directory Assistance and Operator Services in the name of CLEC starting March 1, 1997 and will complete implementation of this process in all SWBT Operator and Directory Assistance platforms by June 30, 1997. In the interim, SWBT will, if allowed by federal and state law and regulatory rules, unbrand competitive LEC operator services and directory assistance calls that are branded by live operators. CLEC will not request interim unbranding of Directory Assistance and Operator Services for calls that are branded by automated systems until such time as SWBT's operator services platforms are capable of re-branding. The schedule is dependent upon the ability of SWBT's vendor to meet its current commitment; however, SWBT will use its best efforts to manage the vendor to meet said date.

7.2.7 **Responsibilities of CLEC**

7.2.7.1 Except where provided through SWBT unbundled Network Elements purchased by CLEC, CLEC will be responsible for providing and maintaining the equipment necessary for routing calls and signals to the SWBT serving office and also such equipment as may be necessary to record call volumes from the CLEC serving office, in a mutually agreed upon format and media.

7.2.7.2 CLEC will furnish in writing to SWBT, thirty (30) days in advance of the date when OS is to be undertaken, all end user records and information required by SWBT to provide OS.

7.2.7.3 CLEC will furnish all records required by SWBT to provide the Operator Services. Such records, or information, will include CLEC's rate quotation tables. CLEC will provide the initial data by a date mutually agreed to between CLEC and SWBT. CLEC will keep this data current using procedures mutually agreed to by CLEC and SWBT. CLEC will provide all data and changes to SWBT in the mutually agreed to format(s).

7.2.7.4 When CLEC desires to customize route Operator Services and such routing capability is not currently technically available, CLEC agrees that SWBT will be the sole provider of such services for each end office, where such services are provided, until customized routing is available. In this event, such services will be provided until the Parties mutually agree on a conversion date for the customized routing of such calls. Where AIN-based customized routing is available in an end office, and CLEC chooses not to customize route the OS calls, CLEC agrees that SWBT will be the sole provider of OS for one year from the date CLEC designates SWBT as CLEC's provider of OS. CLEC may choose a longer term up to the end of the term of the Interconnection Agreement.

7.2.8 **Limitation Of Liability And Indemnification**

Indemnification and limitation of liability provisions covering the matters addressed in this Appendix are contained in the General Terms and conditions portion of this Agreement.

7.3 **Directory Service**

This section sets forth the terms and conditions under which SWBT agrees to provide Directory Assistance Services (DA Services) for CLEC. When CLEC uses Directory Assistance, CLEC will pay the lowest existing intercompany compensation rate.

7.3.1 **Services**

7.3.1.1 DA consists of providing subscriber listing information (name, address, and published or Non-List telephone number or an indication of non-published status) to CLEC's customers who call DA according to current SWBT methods and practices or as subsequently modified.

7.3.1.2 Directory Assistance Call Completion (DACC) service consists of SWBT completing a call to the requested number on behalf of CLEC's end user, utilizing the Interactive Voice System (IVS) or having the operator complete the call.

7.3.1.3 SWBT agrees to provide DACC only in areas where CLEC can furnish Automatic Number Identification (ANI) from CLEC's customers to SWBT's switch and where CLEC obtains DA service from SWBT.

7.3.1.4 CLEC commits that SWBT's provision of DACC does not interfere with any contractual arrangement that CLEC has with another operator services provider. CLEC agrees to indemnify SWBT from any and all causes of action which may be brought by an alternate operator services provider based on allegations that SWBT has interfered with any such contractual arrangement solely by virtue of SWBT's provision of DACC to CLEC under this Appendix.

7.3.2 **Definitions** - The following terms are defined as set forth below:

7.3.2.1 Non-List Number - A telephone number that, at the request of the telephone subscriber, is not published in a telephone directory, but is available by calling a SWBT DA Operator.

7.3.2.2 Non-Published Number - A telephone number that, at the request of the telephone subscriber, is neither published in a telephone directory nor provided by a SWBT DA Operator.

7.3.2.3 Published Number - A telephone number that is published in a telephone directory and is available upon request by calling a SWBT DA Operator.

7.3.2.4 IntraLATA Home NPA (HNPA) - Where a LATA is comprised of one area code or Numbering Plan Area (NPA).

7.3.2.5 IntraLATA Foreign NPA (FNPA) - Where a single LATA includes two Numbering Plan Areas (NPAs). FNPA DA calls may be classified as interstate IntraLATA or intrastate IntraLATA DA calls.

7.3.3 **Call Branding/Rate Reference**

7.3.3.1 Call branding is the process by which an Operator, either live or recorded, will identify the operator service provider as being CLEC. SWBT will offer Call Branding of Operator Services in the name of CLEC. In the event that the phraseology for branding OS calls is the same phraseology for branding DA calls, only one charge will apply per initial loading or subsequent change. CLEC will pay the charge as reflected in Appendix Pricing labeled Rate Per Initial Load or Rate Per Subsequent Changes to Brand and/or rate per call subject to true-up based on a ruling by the Missouri Commission in the Arbitration proceeding in Docket number TO-97-40 or TO-98-115 (or a decision rendered the Missouri Commission by December 31, 1998 in a separate proceeding initiated by CLEC).

In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms, and conditions included in the Interconnection Agreement between the parties.

7.3.3.1.1 Rate reference is the process by which an operator, either live or recorded, will quote CLEC's rates. When an CLEC caller requests a quotation of rates, CLEC will pay the applicable rates and charges provided for in the lowest existing SWBT intercompany agreement for operator services and Directory Assistance. CLEC will pay the charge as reflected in Appendix Pricing labeled Rate Per Initial Load or Rate Per Subsequent Rate change and/or Subsequent reference change subject to true-up based on a ruling by the Missouri Commission in the Arbitration proceeding in Docket Number TO-97-40 or TO-98-115 (or a decision rendered the Missouri Commission by December 31, 1998 in a separate proceeding initiated by CLEC). In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms, and conditions included in the Interconnection Agreement between the parties.

7.3.3.2 SWBT Directory Assistance operators will provide Directory Assistance Rate Information upon request to CLEC's end users. Rate information will be provided under the following terms and conditions:

7.3.3.2.1 CLEC will furnish the initial Rate and Reference information in a mutually agreed to format or media thirty (30) days in advance of the date when they are to be provided by SWBT.

7.3.3.2.2 CLEC will inform SWBT, in writing, of any changes to be made to such Rate and Reference Information ten (10) working days prior to the effective rate change date. CLEC acknowledges that it is responsible to provide SWBT updated Rate information in advance of when the Rates are to become effective.

7.3.3.2.3 In all cases when SWBT receives a rate request from an CLEC end user, SWBT will quote the Directory Assistance rates provided by CLEC.

7.3.4 **Responsibilities of SWBT**

7.3.4.1 SWBT will perform DA Service for CLEC in those exchanges where CLEC elects to purchase such services from SWBT.

7.3.4.2 SWBT will provide and maintain its own equipment to furnish DA Services.

7.3.4.3 SWBT will provide DA Service to CLEC customers using current and updated DA records and in accordance with SWBT's current methods, practices, and procedures or as subsequently modified.

7.3.4.4 SWBT will include current CLEC customer listing information in SWBT's DA database.

7.3.5 **Responsibilities of Both Parties**

7.3.5.1 The Party(ies) that provide the circuits between CLEC and SWBT offices will make such circuits available for use in connection with the DA services covered herein. When the total traffic exceeds the capacity of the existing circuits, the Party(ies) will provide additional circuits, to the extent necessary.

7.3.5.2 SWBT will brand Directory Assistance and Operator Services in the name of CLEC starting March 1, 1997 and will complete implementation of this process in all SWBT Operator and Directory Assistance platforms by June 30, 1997. In the interim, SWBT will, if allowed by federal and state law and regulatory rules, unbrand competitive LEC operator services and directory assistance calls that are branded by live operators. CLEC will not request interim unbranding of Directory Assistance and Operator Services for calls that are branded by automated systems until such time as SWBT's operator services platforms are capable of re-branding. The schedule is dependent upon the ability of SWBT's vendor to meet its current commitment; however, SWBT will use its best efforts to manage the vendor to meet said date.

7.3.6 **Responsibilities of CLEC**

7.3.6.1 Except where provided through SWBT unbundled Network Elements purchased by CLEC, CLEC will be responsible for providing and maintaining the equipment necessary for routing calls and signals to the SWBT serving office and also such equipment as may be necessary to record call volumes from the CLEC serving office, in a mutually agreed upon format and media.

7.3.6.2 CLEC will furnish to SWBT, thirty (30) days in advance of the date when DA is to be undertaken, all end user records and information required by SWBT to provide to DA .

7.3.6.3 CLEC will update end user directory assistance listing information using reporting forms and procedures that are mutually acceptable to both Parties. CLEC will send the DA records to SWBT via a local manual service order, T-TRAN, magnetic tape or by any other mutually agreed to format or media.

7.3.6.4 When CLEC desires to customize route Directory Assistance and such routing capability is not currently technically available, CLEC agrees that SWBT will be the sole provider of such services for each end office, where such services are provided, until customized routing is available. In this event, such services will be provided until the Parties mutually agree on a conversion date for the customized routing of such calls. Where AIN-based_customized routing is available in an end office, and CLEC chooses not to customize route the DA calls, CLEC agrees that SWBT will be the sole provider of DA for one year from the effective date CLEC designates SWBT as CLEC's provider of DA. CLEC may choose a longer term up to the end of the term of the Interconnection Agreement.

7.3.7 **Limitation Of Liability And Indemnification**

Indemnification and limitation of liability provisions covering the matters addressed in this Appendix are contained in the General Terms and conditions portion of this Agreement.

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 labeled "Common Transport" when such facilities are used on an interoffice call subject to 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 Multiplexing and Digital cross-connect system (DCS) functionality as specified below.

8.2.1.1 When CLEC orders unbundled dedicated transport between SWBT wire centers, it will pay the rates and charges contained in Appendix Pricing labeled Dedicated Transport, Interoffice Transport.

8.2.1.1.1 When CLEC orders unbundled dedicated transport between an CLEC office and a SWBT office, and actually utilizes a dedicated transport entrance facility, it will pay the rates and charges contained in Appendix Pricing labeled Dedicated Transport, Entrance Facility. When CLEC does not actually utilize a dedicated transport entrance facility in connection with an order for unbundled dedicated transport between an CLEC office and a SWBT office, CLEC will pay only the Interoffice Transport rates and charges and not the entrance facility charge. These rates are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

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

8.2.1.3 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.

8.2.1.4 SWBT will provide Dedicated Transport at the following speeds: 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.

8.2.1.5 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.

8.2.1.6 Multiplexing/demultiplexing allows the conversion of higher capacity facilities to lower capacity facilities and vice versa. Multiplexing/demultiplexing includes Voice Grade to DS1 and DS1 to DS3 conversions.

8.2.1.6.1 In the provision of dedicated transport, SWBT may elect to use multiplexing, at no additional charge to provide the transport, but shall deliver the transported traffic to CLEC at the same bandwidth as received from CLEC. If CLEC requests the traffic be delivered at a different bandwidth than what was originally handed off, SWBT will provide that for an additional charge as reflected in Appendix Pricing labeled "Multiplexing". These rates are applicable for the rate elements listed until such time as the arbitration advisory staff has reviewed the cost, made their recommendation to the Commission, and the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed below, parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

8.2.1.6.2 CLEC will use multiplexing/demultiplexing when connecting a DS1 or greater bandwidth Dedicated Transport element to SWBT analog end office switch.

8.2.2 **Technical Requirements For All Dedicated Transport**

This Section sets forth technical requirements for all Dedicated Transport.

8.2.2.1 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.

8.2.3 **Digital Cross-Connect System (DCS)**

8.2.3.1 SWBT will offer Digital Cross-Connect System (DCS) with the same functionality that is offered to interexchange carriers, or additional functionality as the Parties may agree.

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

8.2.3.3 There is no additional charge for DCS functionality to the extent SWBT elects to use DCS (under SWBT's control) in the provision of dedicated transport. To the extent SWBT provides DCS functionality to CLEC, under CLEC's control, the charges contained in Appendix Pricing labeled "Digital Cross Connect Systems" will apply. These rates are applicable for the rate elements listed below until such time as the arbitration advisory staff has reviewed the cost, made their recommendation to the Commission, and the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed below, parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

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

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 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.

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.

Reconfiguration Charge - This charge applies per termination point per DCS each time the routing of an CLEC circuit is changed. As an example, if CLEC has a circuit routing from their premise "A" through two DCS offices to their premise "B" and want to reconfigure this circuit so that it is routed from "A" through two different DCS offices to premise "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.

8.2.3.3.1 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.

8.2.3.4 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. Where DCS devices are SONET capable and will terminate SONET signals, SWBT will make such SONET capabilities available to CLEC to the extent technically feasible and to the extent such capability is available to SWBT for its use in providing telecommunications service.

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

8.2.3.6 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.

8.2.3.7 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.

8.2.3.8 CLEC may use DCS to perform the following functions:

8.2.3.8.1 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.

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

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

8.2.3.8.4 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.

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

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

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

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

8.2.3.8.9 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.

8.2.3.8.10 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.

8.2.3.9 Technical Specifications

8.2.3.9.1 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.

8.2.3.9.2 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. This section also describes access to SWBT's Directory Assistance Database.

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 Rate" in Appendix Pricing. The "SS7 Links Cross Connect" rates (but not the "STP Port Rate") are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties. 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 an 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 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 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 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 order STP Access Link - 56 Kbps using the Special Request Process.

9.1.1.4.1 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 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 Switch (STPS) 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 STPS, 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. As noted in Appendix Pricing, charges for signaling point code are contained in the NRC for the STP port termination.

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 further 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. CLEC will provide an explanation of the reasons for the expected change.
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.

9.2 **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 (per octet) will apply to octets comprising ISUP and TCAP messages. When CLEC uses SS7

Transport between one or more SWBT STP pairs for each segment transport (i.e., from an SWBT STP pair to an adjacent SWBT pair), CLEC will pay the charges labeled "SS7 Transport" on Appendix Pricing at a rate equal to one times the octet rate for each octet transported.

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 applicable CLEC local switching office, in those circumstances when local call completion requires use of an STP located in a different LATA than that in which the message 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 an interim rate of 170 times the octet rate contained on Appendix Pricing. This per call rate is also shown as SS7 Signaling in the Appendix Pricing.

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.

9.2.2.2.1 The cost for adding Global title translations is included in the STP port non recurring charge.

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 an 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 9.8.

9.3.2.2 SWBT will provide connectivity to SCPs through the SS7 network and protocols, as specified in Section 9.2 of this Appendix, 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.

9.4.1.0.1 Queries for LIDB based services will be priced as shown on Appendix Pricing labeled "Validation Query" and "Query Transport." CNAM Service Query will be charged on a per query basis at the rate reflected on Appendix Pricing labeled "CNAM Service Query." 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.

9.4.1.0.2 CLEC also will pay the non-recurring LIDB charge shown on the Appendix Pricing, on a per-CLEC switch basis, to establish LIDB and CNAM query capability from an CLEC switch. There shall be no additional rate for Service Order Charge or for use of LVAS until such time as the Commission determines, upon consideration of recommendation of arbitration advisory staff, that there must be a separate cost based rate for this functionality. The parties shall cooperate with arbitration advisory staff in developing such rates. In the event

that such a rate is established, the parties agree to true-up at such time as permanent rate is established. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

9.4.1.1 SWBT will provide CLEC with interfaces that allow CLEC to access SWBT's LIDB service management system (SMS). These interfaces will allow CLEC to create, modify, and delete CLEC line records for ported numbers. SWBT will provide interfaces to the LIDB SMS to accomplish this function as set forth in 9.4.4.3. If there is no change to the customer's existing LIDB functionality (e.g., collect/third-party call blocking) SWBT should not remove the existing customer data in LIDB. If CLEC selects a non-SWBT LIDB or LIDB-like database, CLEC will promptly delete records from SWBT's LIDB that are migrated to the new LIDB or LIDB-like database.

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 a node on the CCS/SS7 network.

9.4.1.9 Special Billing Number means line records in LIDB that are based on an NPA-RAO numbering format. NPA-RAO numbering formats are similar to NPA-NXX

formats except that the fourth digit of an NPA-RAO 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.

9.4.2 **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 (TT) of 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 Appendix 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 In the event that CLEC is using its own OS platform, CLEC will be charged for validation queries to SWBT's LIDB, at the LIDB rates found in Appendix Pricing labeled "Validation Query and Query Transport".

9.4.2.6.2 In the event that CLEC is using SWBT's OS platform, until otherwise agreed, no charge is made for Validation queries, in addition to applicable OS charges under Appendix Pricing labeled Operator Services Call Completion Services.

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 Appendix, a specific NPA-NXX and/or NPA-RAO 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-RAO.

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 Appendix, 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 Appendix, 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-RAO numbering format. NPA-RAO numbering formats are similar to NPA-NXX formats except that the fourth digit of an NPA-RAO 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 LSP to provide LSP 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/Billing information from CLEC, SWBT will provide the functionality needed to perform the following query/response functions, on a call-by-call basis, for the line/billing 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 Appendix, 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.

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 LSP understands and agrees that its record access through the Tape Load Facility Interface is only for LSP'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 Appendix.

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 reasonable time following the receipt of the audit file. CLEC will correct all discrepancies using the LVAS interface(s) CLEC has requested under this Appendix.

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 premise between the first and second ring for display on compatible customer premise 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 CNAM queries will be priced as shown on Appendix Pricing labeled "Calling Name Delivery Query".

9.5.1.1.1.1 CNAM Service Query will be priced as shown on Appendix Pricing labeled "CNAM Service Query". There shall be no additional rate for CNAM Query Transport or CNAM Service Order Charge until such time as the Commission determines, upon consideration of recommendation of arbitration advisory staff, that there must be a separate cost based rate for this functionality. The parties shall cooperate with arbitration advisory staff in developing such rates. In the event that an interim rate is established, the parties agree to true-up at such time as permanent rate is established. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

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 Appendix 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/or query transport (if applicable) and the rates for the LSP out-of area query and/or query transport (if applicable) 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 Appendix are contained in the General Terms and Conditions portion of this Agreement.

9.5.4 **Originating Line Number Screening (OLNS)**

9.5.4.1 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 or from CLEC's use of SWBT's Unbundled Local Switching (subject to Section 5.2.3 of Appendix Pricing - UNE) 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. These rates are reflected in Appendix Pricing 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 Appendix 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, applied equally and on a competitively neutral basis to all database users including SWBT. 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, where ever 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 When CLEC purchases AIN services, charges will be determined on an individual case basis (ICB) as reflected on the Appendix Pricing or as the Parties may otherwise agree.

9.8 **Access to Directory Assistance Database**

9.8.1 SWBT will provide nondiscriminatory access to SWBT's Directory Assistance listing information which includes published listings, non listed listings as well as listed names, address, zip code and telephone numbers with the exception of nonpublished telephone numbers. Nonpublished Directory Assistance listing information will display the customer name and address only along with an indicator that the number is non published. Access to SWBT Directory Assistance listing information is for the sole purpose of providing voice Directory Assistance to CLEC's customers. Access to SWBT's Directory Assistance listing information allows the CLEC operator to query SWBT's Directory Assistance database and obtain the identical information that is available to SWBT's Directory Assistance oerators.

9.8.2 When CLEC uses Access to Directory Assistance Database, it will pay the rates and charges under that label found in Appendix Pricing. These rates are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between 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 **Requirements**

10.2.1 SWBT will provide CLEC access to its Operations Support Systems Functions through the electronic interfaces provided for in Appendix Ordering and Provisioning - UNE, Appendix Appendix Maintenance - UNE, Appendix Billing – Other , and Appendix Provision of Customer Usage Data – UNE , on the terms and conditions set forth in those Appendices.

10.3 As reflected in Appendix Pricing, CLEC will pay $3,345 per month to access one or more of the SWBT OSS functions for either UNE, Resale or both. CLEC will pay $1580 per month for remote access facility methods for a direct connection per port or $316 per month for dial up connections, per port.

11.0 Cross-connects

11.1 The cross connect, when required, is the means by which unbundled elements are connected with other unbundled elements or with collocation.

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 labeled "Loop Cross Connects" subject to Section 1.3 of Appendix Pricing UNE, except as provided in Section 11.2.1 and 11.2.2 below. The applicable cross connects are as follows:

1. Cross connect to DCS ("MDF to DCS") - with and without testing
2. Cross connect to MUX/Interoffice ("MDF to SWBT Multiplexer/Interoffice") - with testing
3. Cross connect to Collocation ("MDF to Collocation") - with and without testing
4. Cross connect to Switch Port ("MDF to Switch Port") with and without testing

The rates for the cross connect to DCS and the cross connect to MUX/Interoffice are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period.

In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

11.2.1 The Parties agree that there will be no charge for the cross connect between an unbundled loop and DCS/Switch Port, as shown on Appendix Pricing and labeled "Analog Loop to DCS/Switch Port" and "Digital Loop to DCS/Switch Port." The loop to DCS cross connect rate will be subject to modification and true up in the event of Commission establishment of final DCS rates and charges that include a separate DCS cross connect rate.

11.2.2 When CLEC orders a cross connect between a 4-Wire PRI digital loop and inter office transport, CLEC will pay the rates and charges labeled "Digital Loop to Multiplexer/Interoffice - 4-Wire PRI". These rates are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

11.3 Cross connects associated with unbundled local loops are available with or without testing equipment. 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 utilizes a SWBT unbundled local loop and SWBT unbundled switch port in combination, SWBT will provide automated loop testing through the Local Switch rather than install a loop test point.

11.4 Cross connects must also be ordered with Unbundled Dedicated Transport (UDT). SWBT will charge CLEC the applicable rates as shown on Appendix Pricing labeled "Dedicated Transport Cross Connect". The following cross connects are available with UDT: DS1; DS3; OC3; OC12; and OC48. With the exception of the DS3 Dedicated Transport Cross Connect, the rates shown on the Appendix Pricing are applicable for the rate elements listed until such time as the arbitration advisory staff has reviewed the cost, made their recommendation to the Commission, and the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed below, parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest

the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

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 **Requirements**

12.1.1 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.

12.2 **Protection, Restoration, and Disaster Recovery**

12.2.1 **Synchronization**

12.2.1.1 **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 **Cooperative Testing**

12.3.1 Upon request, at Time and Materials charges, 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 Appendix Unbundled Network Elements or Appendix Maintenance – UNE .

13.0 Dark Fiber

13.1 "Dark fiber" is fiber transmission media which has been deployed by SWBT but is not being utilized to provide service.

13.2 **Dark Fiber in Dedicated Interoffice Transport**

13.2.1 SWBT will provide dark fiber in the dedicated interoffice transport segment of the network as an unbundled network element under the following conditions:

13.2.1.1 SWBT will offer its dark fiber to CLEC when CLEC has collocation space in a SWBT tandem or end office.

13.2.1.2 SWBT may offer dark fiber pursuant to agreements that would permit revocation of CLEC's right to use the dark fiber upon twelve (12) months notice by SWBT. To exercise its right of revocation, SWBT must demonstrate: 1) that the subject dark fiber is needed to meet SWBT's bandwidth requirements or the bandwidth requirements of another LSP; or 2) 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). In the latter case, SWBT will provide CLEC with sufficient alternative means of transporting the traffic.

13.2.1.3 CLEC 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. SWBT is not required to lease more than 25% of its dark fiber capacity in a particular dedicated interoffice transport segment. The fiber available for lease must be allocated among the requesting LSPs on a first come, first served, basis, and distributed in a competitively neutral manner.

13.2.2 SWBT will provide CLEC with the ability to connect to interoffice dark fiber subject to the procedures set forth above. In each SWBT central office which serves as a point of termination for each interoffice dark fiber segment, SWBT will provide CLEC an appropriate termination point on a distribution frame or its equivalent.

13.3 **Dark Fiber in Feeder Segment of the Loop**

13.3.1 SWBT will provide dark fiber in the feeder segment of the network as an unbundled network element under the following conditions:

13.3.1.1 SWBT may offer dark fiber pursuant to agreements that would permit revocation of CLEC's right to use the dark fiber upon twelve (12) months notice by SWBT. To exercise its right of revocation, SWBT must demonstrate: 1) that the subject dark fiber is needed to meet SWBT's bandwidth requirements or the bandwidth requirements of another LSP; or 2) 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). In the latter case, SWBT will provide CLEC with sufficient alternative means of transporting the traffic.

13.3.1.2 CLEC may not, in twenty-four (24) month period, lease more than 25% of SWBT's excess dark fiber capacity in a particular feeder segment. SWBT is not required to lease more than 25% of its dark fiber capacity in a particular feeder segment. The fiber available for lease must be allocated among the requesting LSPs on a first come, first served, basis, and distributed in a competitively neutral manner.

13.4 **Dark Fiber Administration**

13.4.1 The parties shall submit for approval by the Missouri Commission a procedure for exchanging information on the availability of dark fiber for lease, and on the usage of leased dark fiber.

13.5 **Dark Fiber Pricing**

13.5.1 When a dark fiber record search is requested by CLEC, CLEC will pay the dark fiber records research charge reflected on Appendix Pricing labeled "Dark Fiber Records Search." These rates are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to

appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

13.5.2 When CLEC orders a dark fiber cross connect to connect SWBT's dark fiber to CLEC's facilities or equipment, CLEC will pay the charges which appear on Appendix Pricing labeled "Dark Fiber Cross Connect." These rates are applicable until such time as the Commission has ordered final cost based rates. When the Commission orders final cost based rates, should those rates differ from those listed in the Appendix Pricing the parties will remit the difference between the amount paid and the final rate within a reasonable period. In accepting this procedure, the parties preserve all rights to appeal any Commission order, including the right to contest the process used in establishing the rates, terms and conditions included in the Interconnection Agreement between the parties.

13.5.3 When CLEC leases dark fiber, CLEC will pay the charges which appear on Appendix Pricing labeled "Dark Fiber."

14.0 Pricing

14.1 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.

15.0 SWBT's provision of UNEs identified in this Agreement is subject to the provisions of the Federal Act, including but not limited to, Section 251(d). Both Parties reserve the right to dispute whether any UNEs identified in the Agreement must be provided under Section 251(c)(3) and Section 251(d) of the Act, and under this Agreement. In the event that the FCC, a state regulatory agency or a court of competent jurisdiction, based upon any action by any telecommunications carrier, finds, rules and/or otherwise orders ("order") that any of the UNEs and/or UNE combinations provided for under this Agreement do not meet the necessary and impair standards set forth in Section 251(d)(2) of the Act, the affected provision will be invalidated, modified or stayed as required to immediately effectuate the subject order upon written request of either Party. In such event, the Parties shall expend diligent efforts to arrive at an agreement on the modifications required to the Agreement to immediately effectuate such order. If negotiations fail, disputes between the Parties concerning the interpretations of the actions required or the provisions affected by such order shall be handled under the Dispute Resolution Procedures set forth in this Agreement.

16.0 Applicability of Other Rates, Terms and Conditions

This appendix, and every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement or other appendices or attachments to this Agreement which are legitimately related to such interconnection, service or network element; and all such rates, terms and conditions are incorporated by reference herein and as part of every interconnection, service and network element provided hereunder. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation and construction, notice of changes, general responsibilities of the Parties, effective date, term, termination, disclaimer of representations and warranties, changes in end user local exchange service provider selection, severability, intellectual property, indemnification, limitation of liability, force majeure, confidentiality, audits, disputed amounts, dispute resolution, intervening law and miscellaneous.

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Network Interface Device (NID)				
Zone 1	N/A	$60.40	$30.20	
Zone 2	N/A	$60.40	$30.20	
Zone 3	N/A	$60.40	$30.20	
Zone 4		$60.40	$30.20	
Disconnect Loop from inside wiring, per NID				
Unbundled Loops				
2-Wire Analog (8dB Loop)				
Zone 1	$12.71	$26.07	$11.09	
Zone 2	$20.71	$26.07	$11.09	
Zone 3	$33.29	$26.07	$11.09	
Zone 4	$18.23	$26.07	$11.09	
Conditioning for dB Loss				
Zone 1	$6.63	$22.76	$8.58	
Zone 2	$6.63	$22.76	$8.58	
Zone 3	$6.63	$22.76	$8.58	
Zone 4	$6.63	$22.76	$8.58	
4-Wire Analog				
Zone 1	$19.79	$28.77	$11.09	
Zone 2	$35.35	$28.77	$11.09	
Zone 3	$61.16	$28.77	$11.09	
Zone 4	$30.08	$28.77	$11.09	
2-Wire Digital (ISDN-BRI Loop)				
Zone 1	$25.79	$57.77	$30.22	
Zone 2	$42.10	$57.77	$30.22	
Zone 3	$58.44	$57.77	$30.22	
Zone 4	$41.44	$57.77	$30.22	
4-Wire Digital (DS1 Loop)				
Zone 1	$101.18	$136.63	$53.94	
Zone 2	$106.06	$136.63	$53.94	
Zone 3	$107.89	$136.63	$53.94	
Zone 4	$101.39	$136.63	$53.94	
4 Wire digital (ISDN-PRI Loop)				
Zone 1	$101.18	$136.63	$53.94	
Zone 2	$106.06	$136.63	$53.94	
Zone 3	$107.89	$136.63	$53.94	
Zone 4	$101.39	$136.63	$53.94	
2-Wire ADSL Capable				
Zone 1	$ 12.71	$ 26.07	$ 11.09	
Zone 2	$ 20.71	$ 26.07	$ 11.09	
Zone 3	$ 33.29	$ 26.07	$ 11.09	
Zone 4	$ 18.23	$ 26.07	$ 11.09	
2-Wire Very Low-band Symmetric Technology Capable Loop				
Zone 1	$ 25.79	$ 57.77	$ 30.22	
Zone 2	$ 42.10	$ 57.77	$ 30.22	
Zone 3	$ 58.44	$ 57.77	$ 30.22	
Zone 4	$ 41.44	$ 57.77	$ 30.22	
2-Wire Mid-band Symmetric Technology Capable Loop				
Zone 1	$ 12.71	$ 26.07	$ 11.09	
Zone 2	$ 20.71	$ 26.07	$ 11.09	
Zone 3	$ 33.29	$ 26.07	$ 11.09	
Zone 4	$ 18.23	$ 26.07	$ 11.09	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
4-Wire Mid-band Symmetric Technology Capable Loop				
Zone 1	$ 19.79	$ 28.77	$ 11.09	
Zone 2	$ 35.35	$ 28.77	$ 11.09	
Zone 3	$ 61.16	$ 28.77	$ 11.09	
Zone 4	$ 30.08	$ 28.77	$ 11.09	
Loop Qualification Process	NA	$ 84.75	NA	
**Loop Qualification Process (a/o 8-1-99)	NA	$ 15.00		
DSL Conditioning Options				
Removal of Repeaters	NA	$ 289.51	$TBD	
Removal of Bridged Taps and Repeaters	NA	$TBD	$TBD	
Removal Bridged Taps	NA	$ 484.19	$TBD	
Removal of Bridged Taps and Load Coils	NA	$TBD	$TBD	
Removal of Load Coils	NA	$ 797.78	$TBD	
Conditioning of loops over 17,500 ft.	NA	TBD	TBD	
**Effective August 1, 1999, the rates for Loop Qualification reflect SWBT's planned implementation of partial mechanization. SWBT agrees to notify CLEC of any additional changes in the Loop *Qualification process and any associated rate modifications.* Upon CLEC's receipt of such notification by SWBT, the Parties will meet for the sole purpose (unless otherwise agreed to by both Parties) of negotiating rates, terms and conditions for CLEC's use of the modified Loop Qualification process.				
The Parties acknowledge and agree that the provision of these DSL-Capable Loops and the associated rates, terms and conditions set forth above are subject to any legal or equitable rights of review and remedies (including agency reconsideration and court review). Any reconsideration, agency order, appeal, court order or opinion, stay, injunction or other action by any state or federal regulatory body or court of competent jurisdiction which stays, modifies or otherwise affects any of the rates, terms and conditions herein, specifically including those arising with respect to the Petition of Broadspan Communications, Inc. for Arbitration of Unresolved Interconnection Issues Regarding ADSL with Southwestern Bell Telephone Company *before the Missouri Public Service Commission, Case No. TO-99-370*, or any other proceeding, the Parties shall expend diligent efforts to arrive at an agreement on conforming modifications to this Agreement				
If negotiations fail, disputes between the Parties concerning the interpretation of the actions required or the provisions affected shall be handled under the Dispute Resolution procedures set forth in this Agreement.				
Loop Cross Connects without Testing				
MDF to Collocation				
2 wire analog				#
Zone 1	$0.31	$19.96	$12.69	
Zone 2	$0.31	$19.96	$12.69	
Zone 3	$0.31	$19.96	$12.69	
Zone 4	$0.31	$19.96	$12.69	
4 wire analog				#
Zone 1	$0.63	$25.38	$17.73	
Zone 2	$0.63	$25.38	$17.73	
Zone 3	$0.63	$25.38	$17.73	
Zone 4	$0.63	$25.38	$17.73	
2 wire Digital ISDN-BRI				
Zone 1	$0.31	$19.96	$12.69	
Zone 2	$0.31	$19.96	$12.69	
Zone 3	$0.31	$19.96	$12.69	
Zone 4	$0.31	$19.96	$12.69	#

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
4 wire Digital DS1				
Zone 1	$0.00	$34.48	$28.57	
Zone 2	$0.00	$34.48	$28.57	
Zone 3	$0.00	$34.48	$28.57	
Zone 4	$0.00	$34.48	$28.57	
MDF to Switch Port				
2 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	*$0.00*	*$0.00*	*$0.00*	
Zone 4	$0.00	$0.00	$0.00	
2 wire Digital ISDN-BRI				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 Wire digital (DS1 or ISDN-PRI)				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
MDF to DCS				
2 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	*$0.00*	*$0.00*	*$0.00*	
Zone 4	$0.00	$0.00	$0.00	
2 wire Digital ISDN-BRI				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	#
4 Wire digital (DS1 or ISDN-PRI)				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
Loop Cross Connects with Testing				
MDF to Collocation				
2 wire analog				
Zone 1	*$1.89*	*$35.83*	*$29.44*	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	*Interim Subject to True-up*
Zone 2	$1.89	$35.83	$29.44	
Zone 3	$1.89	$35.83	$29.44	
Zone 4	$1.89	$35.83	$29.44	
4 wire analog				
Zone 1	$3.77	$41.63	$35.73	
Zone 2	$3.77	$41.63	$35.73	
Zone 3	$3.77	$41.63	$35.73	
Zone 4	$3.77	$41.63	$35.73	
2 wire Digital ISDN-BRI				
Zone 1	$1.89	$35.83	$29.44	
Zone 2	$1.89	$35.83	$29.44	
Zone 3	$1.89	$35.83	$29.44	
Zone 4	$1.89	$35.83	$29.44	
4 wire Digital DS 1				
Zone 1	$9.00	$60.04	$41.06	
Zone 2	$9.00	$60.04	$41.06	
Zone 3	$9.00	$60.04	$41.06	
Zone 4	$9.00	$60.04	$41.06	
				#
MDF to Multiplexer/Interoffice				
2 wire analog				
Zone 1	$4.03	$52.24	$45.85	
Zone 2	$4.03	$52.24	$45.85	
Zone 3	$4.03	$52.24	$45.85	
Zone 4	$4.03	$52.24	$45.85	#
4 wire analog				
Zone 1	$5.19	$60.47	$54.57	
Zone 2	$5.19	$60.47	$54.57	
Zone 3	$5.19	$60.47	$54.57	
Zone 4	$5.19	$60.47	$54.57	#
2 wire Digital ISDN-BRI				
Zone 1	$6.31	$52.24	$45.85	
Zone 2	$6.31	$52.24	$45.85	
Zone 3	$6.31	$52.24	$45.85	
Zone 4	$6.31	$52.24	$45.85	#
4 Wire digital (DS1 or ISDN-PRI)				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
MDF to Switch Port				
2 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
2 wire Digital ISDN-BRI				

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 Wire digital (DS1 or ISDN-PRI)				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
MDF to DCS				
2 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
4 wire analog				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
				#
2 wire Digital ISDN-BRI				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
				#
4 Wire digital (DS1 or ISDN-PRI)				
Zone 1	$0.00	$0.00	$0.00	
Zone 2	$0.00	$0.00	$0.00	
Zone 3	$0.00	$0.00	$0.00	
Zone 4	$0.00	$0.00	$0.00	
ADSL Loop to Collocation				
Shielded cross connect	$0.80	$19.96	$12.69	
Subloop Unbundling				
8dB Feeder				
Zone 1	$5.56	ICB	ICB	
Zone 2	$7.27	ICB	ICB	
Zone 3	$10.10	ICB	ICB	
Zone 4	$7.01	ICB	ICB	
BRI Feeder				
Zone 1	$20.93	ICB	ICB	
Zone 2	$31.28	ICB	ICB	
Zone 3	$39.33	ICB	ICB	
Zone 4	$32.58	ICB	ICB	
DS1 Feeder				
Zone 1	$67.80	ICB	ICB	
Zone 2	$67.56	ICB	ICB	
Zone 3	$70.99	ICB	ICB	
Zone 4	$67.68	ICB	ICB	
8dB Distribution				
Zone 1	$6.98	ICB	ICB	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 2	$13.35	ICB	ICB	
Zone 3	$23.34	ICB	ICB	
Zone 4	$11.05	ICB	ICB	
BRI Distribution				
Zone 1	$9.92	ICB	ICB	
Zone 2	$16.29	ICB	ICB	
Zone 3	$26.26	ICB	ICB	
Zone 4	$14.00	ICB	ICB	
DS1 Distribution				
Zone 1	$4.97	ICB	ICB	
Zone 2	$10.48	ICB	ICB	
Zone 3	$21.80	ICB	ICB	
Zone 4	$6.60	ICB	ICB	
Subloop Cross-Connect				
2 Wire				
Zone 1	$0.00	$61.55	$51.95	
Zone 2	$0.00	$61.55	$51.95	
Zone 3	$0.00	$61.55	$51.95	
Zone 4	$0.00	$61.55	$51.95	
4 Wire				
Zone 1	$0.00	$74.00	$62.55	
Zone 2	$0.00	$74.00	$62.55	
Zone 3	$0.00	$74.00	$62.55	
Zone 4	$0.00	$74.00	$62.55	
Customized Routing				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
Blocking/Screening (when LCC Customized Routine is used)				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
Local Switching				
Port Charge Per Month				
Analog Line Port				
Zone 1	$1.74	$39.37	$35.27	
Zone 2	$1.97	$39.37	$35.27	
Zone 3	$2.47	$39.37	$35.27	
Zone 4	$2.25	$39.37	$35.27	
ISDN-BRI Port				
Zone 1	$5.56	$6.47	$3.53	
Zone 2	$5.56	$6.47	$3.53	
Zone 3	$5.56	$6.47	$3.53	
Zone 4	$5.56	$6.47	$3.53	
Analog DID Trunk				
Zone 1	$13.55	$64.00		
Zone 2		$64.00		
Zone 3		$64.00		
Zone 4		$64.00		

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Analog DID Trunk				
Zone 1		$69.47		
Zone 2	$14.45	$69.47		
Zone 3		$69.47		
Zone 4		$69.47		
Analog DID Trunk				
Zone 1		$59.76		
Zone 2		$59.76		
Zone 3	$10.60	$59.76		
Zone 4		$59.76		
Analog DID Trunk		$62.01		
Zone 1				
Zone 2				
Zone 3				
Zone 4	$15.12			
ISDN-PRI Trunk Port				
Zone 1	$165.85	$214.53	$98.53	
Zone 2	$165.85	$214.53	$98.53	
Zone 3	$165.85	$214.53	$98.53	
Zone 4	$165.85	$214.53	$98.53	
DS1 Trunk Port				#
Zone 1	$132.14	$162.38	$24.76	
Zone 2		$162.38	$24.76	
Zone 3		$162.38	$24.76	
Zone 4		$162.38	$24.76	
DS1 Trunk Port				#
Zone 1		$162.44	$24.83	
Zone 2	$126.71	$162.44	$24.83	
Zone 3		$162.44	$24.83	
Zone 4		$162.44	$24.83	
DS1 Trunk Port				#
Zone 1		$160.47	$22.86	
Zone 2		$160.47	$22.86	
Zone 3	$58.04	$160.47	$22.86	
Zone 4		$160.47	$22.86	
DS1 Trunk Port				#
Zone 1		$164.98	$27.36	
Zone 2		$164.98	$27.36	
Zone 3		$164.98	$27.36	
Zone 4	$140.35	$164.98	$27.36	
Usage - per Minute of Use				#
Local Switching				
Temporary (see Appendix Pricing				
UNE, Section 5.3)				
Within the Same Central Office				
Per Originating MOU				
Zone 1	$0.001988	N/A	N/A	#
Zone 2	$0.002391	N/A	N/A	
Zone 3	$0.003444	N/A	N/A	
Zone 4	$0.002934	N/A	N/A	
Between Different Central Offices				

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Per Originating MOU				#
Zone 1	$0.004633	N/A	N/A	
Zone 2	$0.005569	N/A	N/A	
Zone 3	$0.007748	N/A	N/A	
Zone 4	$0.006490	N/A	N/A	
				#
Standard (see Appendix Pricing				
UNE, Section 5.2)				
Per Originating or Terminating MOU				
Zone 1	$0.001988	N/A	N/A	
Zone 2	$0.002391	N/A	N/A	
Zone 3	$0.003444	N/A	N/A	#
Zone 4	$0.002934	N/A	N/A	
Nonrecurring Charge for Unbundled Switch Port -				
Vertical Features				
Analog Line Port Features (per feature per port)				#
Call Waiting				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Call Forwarding Variable				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Call Forwarding Busy Line				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Call Forwarding Don't Answer				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Three-Way Calling				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Speed Calling - 8				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Speed Calling - 30				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 4	None	$0.00	N/A	
Auto Callback/Auto Redial				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Distinctive Ring/Priority Call				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Selective Call Rejection/Call Bocker				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Auto Recall/Call Return				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Selective Call Forwarding				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Calling Number Delivery				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Calling Name Delivery				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Calling Number/Name Blocking				
Zone 1	None	N/A	N/A	
Zone 2	None	N/A	N/A	
Zone 3	None	N/A	N/A	
Zone 4	None	N/A	N/A	
Anonymous Call Rejection				
Zone 1	None	N/A	N/A	#
Zone 2	None	N/A	N/A	
Zone 3	None	N/A	N/A	
Zone 4	None	N/A	N/A	
Analog Line Port Features (per arrangement per port)				
Personalized Ring				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 4	None	$0.00	N/A	
Hunting Arrangement				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Analog Line Port Features (per successful occurrence per port)				
Call Trace (per feature per port)				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Trace (per successful occurrence per port)				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
ISDN BRI port Features (per feature per B Channel)				
CSV/CSD per B Channel (required/provided)				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Basic Electronic Key Terminal Service (EKTS)				#
Basic EKTS provides:				
Bridged Call Exclusion				
Bridging				
Call Forwarding Don't Answer				
Call Forwarding Interface Busy				
Call Forwarding Variable				#
Message Waiting Indicator				
Speed Call (Long)				
Speed Call (Short)				
Three-way Conference Call				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Appearance Call Handling (CACH) EKTS				
CACH EKTS includes:				
Additional Call Offereing (inherent)				#
Bridged Call Exclusion				
Bridging				
Call Forwarding Don't Answer				
Call Forwarding Interface Busy				
Call Forwarding Variable				
Intercom				#
Key System Coverage for Analog Lines				
Message Waiting Indicator				
Speed Call (Long)				
Speed Call (Short)				
Three-way Conference Calling				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Basic Individual Features				
Additional Call Offering				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Don't Answer				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Interface Busy				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Variable				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Number Delivery				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Hunt Group for CSD				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Hunt Group for CSV				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Message Waiting Indicator				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Secondary Only Telephone Number				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Three Way Conference Calling				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
ISDN PRI Port Features				
CSV/CSD per B Channel (required/provided)				
Backup D Channel (per PRI)				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
				#
Calling Number Delivery (per PRI)				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Dynamic Channel Allocation (per PRI)				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
DID #s - see Analog Trunk Port Features		See Analog DID Trunk Port Features		#
Analog Trunk Port Features (per feature per port)				
DID #s - Initial 100#s				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Initial 10#s				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Subsequent Add or Remove 100#s				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Subsequent Add or Remove 10#s				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
DS1 Digital Trunk Port Features (per feature per port)				
DID#s - see Analog DID Trunk Port Features		See Analog DID Trunk Port Features		
DS1 Digital Trunk Port Features				#
DID #s - see Analog Trunk Port Features		See Analog Trunk Port Features		
Analog Line Port (ALP) Features for Unbundled Centrex				
Standard Feature initialization per Analog Line Port				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Individual Features (per feature per port):				
Automatic Callback Calling/Business Group Callback				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Variable/Business Group Call				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Forwarding Variable				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Busy Line				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Don't Answer				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Hold				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Pickup				#
Zone 1				
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Transfer - All Calls				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Waiting - Intragroup/Business Group Call Waiting				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Waiting - Originating				#

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Waiting - Terminating				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Fully Restricted				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Semi Restricted				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Toll Restricted				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Consultation Hold				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Dial Call Waiting				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Directed Call Pckup - Non Barge In				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Directed Call Pickup - With Barge In				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Distinctive Ringing and Call Waiting Tone				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Hunting Arrangement - Basic				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	#
Zone 4	None	$0.00	N/A	
Hunting Arrangement - Circular				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Speed calling Personal (short list)				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Three Way Calling				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Voice/Data Protection				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
ISDN BRI Port Features for Unbundled Centrex				
Network Transport Option(s) - Required				
Circuit Switched Voice (CSV) Circuit Switched Data (CSD)				
per B Channel				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Standard feature initialization per ISDN BRI Device				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Individual features (per feature per B Channel)				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Additional Call Offering for CSV				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Automatic Callback Calling				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 3				
Zone 4	None	$0.00	N/A	
Call Forwarding Busy Line				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Don't Answer				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Forwarding Variable				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Hold				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Pickup				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Call Transfer - All Calls				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Fully Restricted				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Semi Restricted				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Class of Service Restriction - Toll Restricted				
Zone 1	None	$0.00	N/A	#
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Consultation Hold				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3				#

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 4	None	$0.00	N/A	#
				#
Dial Call Waiting				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	#
Directed Call Pickup - Non Barge In				#
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Directed Call Pickup - With Barge In				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Distinctive Ringing				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Hunting Arrangement - Basic				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Hunting Arrangement - Circular				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Speed Calling Personal (short list)				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Three Way Calling				
Zone 1	None	$0.00	N/A	
Zone 2	None	$0.00	N/A	#
Zone 3	None	$0.00	N/A	
Zone 4	None	$0.00	N/A	
Centrex-like System Charges				
Centrex-like System Options				
System Initial Establishment per Serving Office - Analog Only		$0.00	$0.00	#
System Initial Establishment per Serving Office - Analog/ISDN BRI mix		$0.00	$0.00	
System Initial Establishment per Serving Office - ISDN BRI Only		$0.00	$0.00	
System Subsequent Change per Serving Office - Analog only system		$0.00	$0.00	
System Subsequent Change per Serving Office - Analog/ISDN BRI		$0.00	$0.00	
mixed system				
System Subsequent Change per Serving Office - ISDN BRI only system		$0.00	$0.00	
existing ISDN BRI only system				

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
System Subsequent Conversion per Serving Office - Add Analog to		$0.00	$0.00	
to existing ISDN BRI only system				
System Subsequent Conversion per Serving Office - Add ISDN BRI to		$0.00	$0.00	
existing Analog only system				
Tandem Switching per minute of use				
Zone 1	$0.001510	N/A	N/A	
Zone 2	$0.001510	N/A	N/A	
Zone 3	$0.001510	N/A	N/A	
Zone 4	$0.001510	N/A	N/A	
Unbundled Common Transport				
Common Transport facility min/mile				
Zone 1	$0.000002			
Zone 2	$0.000007			
	$0.000015			
Zone 3				
Zone 4	$0.000001			
InterZone	$0.000003	$0.000003	N/A	
Termination per minute of use				
Zone 1	$0.000190			
Zone 2	$0.000285			
Zone 3	$0.000302			
Zone 4	$0.000162			
InterZone		$0.000332	N/A	
Dedicated Transport				
Entrance Facility*				
DS1				
Zone 1	162.30	628.00	456.00	
Zone 2	162.30	628.00	456.00	#
Zone 3	162.30	628.00	456.00	
Zone 4	162.30	628.00	456.00	
DS3				
Zone 1	1884.49	637.00	496.00	
Zone 2	1884.49	637.00	496.00	#
Zone 3	1884.49	637.00	496.00	
Zone 4	1884.49	637.00	496.00	
OC3				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC12				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
*When AT&T orders Unbundled Dedicated Transport between an AT&T				
office and a SWBT office, and the facilities used between those offices				
are of a higher TELRIC cost than facilities between two SWBT offices,				
AT&T will pay TELRIC cost-based entrance facility rates.				#
Interoffice Transport				
DS 1 Dedicated Transport I/O First Mile				
Zone 1	$57.49	$184.84	$118.14	
Zone 2	$86.96	$184.84	$118.14	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Zone 3	$92.07	$184.84	$118.14	#
Zone 4	$48.70	$184.84	$118.14	
Interzone	$100.36			
DS 1 Dedicated Transport I/O Additional Mile				
Zone 1	$0.62	$184.84	$118.14	
Zone 2	$1.67	$184.84	$118.14	
Zone 3	$1.60	$184.84	$118.14	
Zone 4	$0.19	$184.84	$118.14	#
Interzone	$0.97			
DS 3 Dedicated Transport I/O First Mile				
Zone 1	$925.21	$203.10	$135.06	
Zone 2	$1,824.14	$203.10	$135.06	
Zone 3	$2,052.06	$203.10	$135.06	
Zone 4	$789.13	$203.10	$135.06	
Interzone	$2,361.66			
DS 3 Dedicated Transport I/O Additional Mile				
Zone 1	$15.64	$203.10	$135.06	
Zone 2	$56.45	$203.10	$135.06	#
Zone 3	$97.60	$203.10	$135.06	
Zone 4	$17.32	$203.10	$135.06	
Interzone	$25.87			
OC3 Dedicated Transport I/O First Mile				
Zone 1	ICB	ICB	ICB	#
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC 3 Dedicated Transport I/O Additional Mile				
Zone 1	ICB	ICB	ICB	#
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC12 Dedicated Transport I/O First Mile				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC 12 Dedicated Transport I/O Additional Mile				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC 48 Dedicated Transport I/O First Mile				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC 48 Dedicated Transport I/O Additional Mile				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
Dedicated Transport Cross Connect				

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
DS1				
Zone 1	$12.00	$99.00	$95.00	#
Zone 2	$12.00	$99.00	$95.00	
Zone 3	$12.00	$99.00	$95.00	
Zone 4	$12.00	$99.00	$95.00	
DS 3				
Zone 1	$30.08	$54.98	$42.90	#
Zone 2	$30.08	$54.98	$42.90	
Zone 3	$30.08	$54.98	$42.90	
Zone 4	$30.08	$54.98	$42.90	
OC3				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC12				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	#
Zone 3	ICB	ICB	ICB	
Zone 4	ICB	ICB	ICB	
OC48				
Zone 1	ICB	ICB	ICB	
Zone 2	ICB	ICB	ICB	
Zone 3	ICB	ICB	ICB	#
Zone 4	ICB	ICB	ICB	
DCS				
DCS Port Charge - DS0				
Zone 1	$13.70	$24.30		
Zone 2	$13.70	$24.30		#
Zone 3	$13.70	$24.30		
Zone 4	$13.70	$24.30		
DCS Port Charge - DS1		$43.00		
Zone 1	$45.14	$43.00		
Zone 2	$45.14	$43.00		#
Zone 3	$45.14	$43.00		
Zone 4	$45.14	$43.00		
DCS Port Charge - DS3				
Zone 1	$490.05	$32.00		
Zone 2	$490.05	$32.00		#
Zone 3	$490.05	$32.00		
Zone 4	$490.05	$32.00		
DCS Establish		$1,772.00		
Zone 1	$1,772.00			
Zone 2	$1,772.00			
Zone 3				
Zone 4				
Datase Modification				
Zone 1	$80.00	$80.00		
Zone 2	$80.00	$80.00		
Zone 3		$80.00		
Zone 4		$80.00		

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Reconfiguration				
Zone 1	$1.25	$1.25		
Zone 2	$1.25	$1.25		
Zone 3		$1.25		
Zone 4		$1.25		
Multiplexing				
VG - DS1				
Zone 1	$180.00	$260.00	$161.00	
Zone 2	$180.00	$260.00	$161.00	
Zone 3	$180.00	$260.00	$161.00	
Zone 4	$180.00	$260.00	$161.00	
DS1 - DS3				
Zone 1	$815.00	$1,372.00	$813.00	
Zone 2	$815.00	$1,372.00	$813.00	
Zone 3	$815.00	$1,372.00	$813.00	
Zone 4	$815.00	$1,372.00	$813.00	
SS7 Links - Cross Connect				
STP to Collocation Cage - DS0				
Zone 1	$74.20	$299.80	$202.45	
Zone 2	$74.20	$299.80	$202.45	
Zone 3	$74.20	$299.80	$202.45	
Zone 4	$74.20	$299.80	$202.45	
STP to Collocation Cage - DS1				
Zone 1	$53.65	$259.00	$174.45	
Zone 2	$53.65	$259.00	$174.45	
Zone 3	$53.65	$259.00	$174.45	
Zone 4	$53.65	$259.00	$174.45	
STP to SWBT MDF - DS0				
Zone 1	$74.20	$299.80	$202.45	
Zone 2	$74.20	$299.80	$202.45	
Zone 3	$74.20	$299.80	$202.45	
Zone 4	$74.20	$299.80	$202.45	
STP to SWBT DSX Frame - DS1				
Zone 1	$53.65	$257.00	$174.45	
Zone 2	$53.65	$257.00	$174.45	
Zone 3	$53.65	$257.00	$174.45	
Zone 4	$53.65	$257.00	$174.45	
Signaling and Call Related Databases				
STP Access Connection - 1.544 Mbps	**See Dedicated Transport**			
	Entrance Facility - DS1			
	Interoffice Transport - DS1			
	Cross Connect - DS1			
SS7 Port*				
Zone 1	$480.61	$217.14*	N/A	
Zone 2		$217.14*	N/A	
Zone 3		$217.14*	N/A	
Zone 4		$217.14*	N/A	
SS7 Transport				
Per Octet				
Zone 1	$0.0000007	N/A	N/A	
Zone 2		N/A	N/A	
Zone 3		N/A	N/A	
Zone 4		N/A	N/A	

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Per Call				
Zone 1	$0.0001190	N/A	N/A	
Zone 2		N/A	N/A	
Zone 3		N/A	N/A	
Zone 4		N/A	N/A	
Toll Free Calling Database Query				
Simple				
Zone 1	$0.000254	N/A	N/A	
Zone 2		N/A	N/A	
Zone 3		N/A	N/A	
Zone 4		N/A	N/A	
Complex (includes Simple rate plus Call Destination				
and Handling)		N/A	N/A	
Zone 1	$0.000288	N/A	N/A	
Zone 2		N/A	N/A	
Zone 3		N/A	N/A	
Zone 4				#
				#
Calling Name Delivery Query				#
Zone 1	$0.000547	N/A	N/A	
Zone 2	$0.000547	N/A	N/A	
Zone 3	$0.000547	N/A	N/A	
Zone 4	$0.000547	N/A	N/A	
Line Information Database Query				
Zone 1	$0.008292	N/A		
Zone 2		N/A		
Zone 3		N/A		
Zone 4		N/A		
Query Transport				
Zone 1	$0.000105	N/A		
Zone 2		N/A		
Zone 3		N/A		
Zone 4		N/A		
LVAS				#
Zone 1	$0.000000	N/A		#
Zone 2		N/A		#
Zone 3		N/A		
Zone 4		N/A		
*Includes NRC for STP port termination, signaling point code, and global title translation				
Directory Assistance *				
Directory Assistance	$ 0.4010 per call			
Directory Assistance Call Completion (DACC)	$ 0.2400 per call			
*The Final Arbitration Order required the use of the lowest existing				
inter-company compensation arrangement as this would allow SWBT to				
recover the costs of providing these services and is an appropriate rate.				
Recognizing the age of SWBT's contract, the Commission directs SWBT				
to charge its lowest existing inter-company compensation rates for				
agreements entered into after the August 28, 1996 effective date of				#
Missouri's Senate Bill 507.				#
				#
Operator Services*				#
Local /IntraLATA Operator Assistance (fully automated)	$0.173			#

Missouri	Recurring Charges	Nonrecurring Charge		
		Initial	Add'l	Interim Subject to True-up
Operator Work Seconds	$0.020			#
				#
*The Final Arbitration Order required the use of the lowest existing				#
inter-company compensation arrangement as this would allow SWBT to				
recover the costs of providing these services and is an appropriate rate.				
Recognizing the age of SWBT's contract, the Commission directs SWBT				
to charge its lowest existing inter-company compensation rates for				
agreements entered into after the August 28, 1996 effective date of				
Missouri's Senate Bill 507.				
Access to Directory Assistance				
Database, Attachment 6, 9.8.1				
Database Service	ICB			
Direct Access, per search	ICB			
Service Establishment	ICB			
Call Branding (DA/OS)#				
Rate per branded call**	$0.02			
Rate per initial load	$2,325.00 per TOPS switch per brand			
Rate per subsequent changes to brand				#
** Rates,not applicable when SWBT OS/DA services are provided if AT&T i	$2,325.00 per TOPS switch per brand			
facilities based with its own NXX and calls are sent to SWBT's OS/DA				#
platform via a dedicated trunk group.				#
#Subject to true-up based on a ruling by the Missouri Commission in the				
Arbitration proceeding in Docket No. TO-97-40 or TO-98-115 or any other				
decision rendered by the Missouri Commission by December 31, 1998 in a				
proceeding initiated by AT&T.				per 1/2 hr. or fract
				per 1/2 hr. or fract
Service Rate Information (DA/OS)#				per 1/2 hr. or fract
Rate per initial load	$0.00			
Rate per subsequent rate change	$0.00			
Rate per subsequent reference change	$0.00			
#Subject to true-up based on a ruling by the Missouri Commission in the				per 1/2 hr. or fract
Arbitration proceeding in Docket No. TO-97-40 or TO-98-115 or any other				per 1/2 hr. or fract
decision rendered by the Missouri Commission by December 31, 1998 in a				per 1/2 hr. or fract
proceeding initiated by AT&T.				
Operations Support Systems (OSS)				
System Access	$3,345.00			per 1/2 hr. or fract
				per 1/2 hr. or fract
Remote Access Facility				per 1/2 hr. or fract
Direct Connection	$1,580.00			

APPENDIX WIRELESS

APPENDIX WIRELESS

This Appendix sets forth the terms and conditions under which the Parties will distribute revenue from their joint provision of Wireless Interconnection Service for traffic originated on a Commercial Mobile Radio Service (CMRS) Provider's network and terminating through the Parties' respective wireline switching networks within a Local Access and Transport Area (LATA). The Parties will be compensated under this Appendix only to the extent that they are not been compensated for Wireless Interconnection Service under other tariffs, settlement agreements, contracts or other mechanism. This Appendix is subject to the terms and conditions of applicable tariffs.

I. DEFINITIONS

A Wireless Interconnection Service - The interchange of traffic originated from a Commercial Mobile Radio Service (CMRS) Provider's Mobile Telephone Switching Office (MTSO) through SWBT's or the CLEC's point of switching for termination on the relevant Party's wireline switching network.

B. Commercial Mobile Radio Service (CMRS) Provider - A radio common carrier provider of domestic public cellular telecommunication service, as defined in Part 22, Part 24, or Part 90 of the FCC Rules and Regulations.

C. End Office - SWBT or CLEC switching system where exchange service customer station loops are terminated for the purpose of interconnection to each other and to the network.

D. Local Access and Transport Area ("LATA") - A geographic area marking the boundaries beyond which a Bell Operating Company formerly could not carry telephone calls pursuant to the terms of the Modification of Final Judgment (MFJ), U.S. vs. American Tel. & Tel. Co., 552 F.Supp. 131 (D.D.C. 1983), affirmed sub nom. Maryland v. United States, 460 U.S. 1001 (1983).

E. Local Calling Area or Local Calling Scope - That area in which the message telephone exchange service between two or more end offices, without a toll charge, is provided.

F. Minutes of Use (MOU) - For the purposes of this Appendix, MOU means the Terminating Traffic as recorded by the Primary Company or MOU provided by the CMRS Provider to the Primary Company where the Primary Company is unable to measure the actual terminating usage.

G. Mobile Telephone Switching Office ("MTSO") - A CMRS Provider's switching equipment or terminal used to provide CMRS Provider's switching services or, alternatively, any other point of termination designated by the CMRS Provider.

The MTSO directly connects the CMRS Provider's customers within its licensed serving area to the Primary Company's facilities.

H. Primary Company - The Party that provides the End Office or Tandem Office where the CMRS Provider chooses to connect terminating traffic. The Primary Company also bills the CMRS Provider for Wireless Interconnection Service.

I. Revenues - Those monies the Primary Company bills and collects from the CMRS Provider for jointly provided Wireless Interconnection Service.

J. Secondary Company - The Party that receives Terminating Traffic from the Primary Company.

K. Tandem Office - A Party's switching system that provides an intermediate switching point for traffic between end offices or the network.

L. Terminating Traffic - That traffic which is delivered by a CMRS Provider to the Primary Company for termination at a point on the intraLATA wireline switching network.

II. ADMINISTRATION OF REVENUE DISTRIBUTION

A. The Primary Company will compute, bill, collect and distribute the revenue for jointly provided Wireless Interconnection Service for calls terminating within a LATA. On jointly provided Wireless Interconnection Service, the Primary Company will distribute a portion of the Local Transport (LT) Revenues as described below with the Secondary Company for its part in terminating traffic from the CMRS Provider. The Primary Company will distribute applicable Local Switching (LS) and Carrier Common Line (CCL) charges which are collected from the CMRS Provider to the Secondary Company, as described below.

B. Distribution of revenues will be computed using the rate elements as defined in SWBT's applicable Wireless Interconnection Tariff.

C. For terminating traffic, actual monthly wireless MOU will be measured by the Primary Company for each office in the LATA or provided to the Primary Company by the CMRS Provider in those cases where the Primary Company is unable to measure the actual terminating usage.

D. Each month, the amount of CCL and LS revenue (based on the rates in the Primary Company's applicable tariffs) due the Secondary Company from the Primary Company will be determined by totaling the actual terminating MOU associated with each of the Secondary Company's end offices and multiplying those MOU by the appropriate rates as set out above. The LT revenues due to the Secondary Company will be determined for each Secondary Company end office

by multiplying the billed MOU by the appropriate LT rate multiplied by the applicable end office percentage ownership of facilities listed in Exhibit A to this Appendix.

E. The Primary Company will prepare a revenue and usage statement on a monthly basis. Within 90 calendar days after the end of each billing period, except in cases of disputes, the Primary Company will remit the compensation amount due the Secondary Company. When more than one compensation amount is due, they may be combined into a single payment. No distribution will be made for the revenue the Primary Company is unable to collect.

F. The revenue and usage statement will contain the following information:

1. The number of MOU for each of the Secondary Company's end offices, the corresponding rate elements to be applied to the MOUs for each end office, and the resulting revenues;

2. The total of the MOU and revenues for the Secondary Company;

3. The percent ownership factor used to calculate the distribution of Local Transport revenues; and,

4. Adjustments for uncollectibles.

G. The Parties agree that revenue distribution under this Appendix will apply as of the effective date of the Agreement. The Primary Company will start revenue distribution on usage within 60 calendar days from the date this Appendix is effective.

III. TERMINATION PROVISIONS

A. This Appendix shall remain in effect until terminated by either Party upon a minimum of 30 calendar days written notice by such Party to the designated representative of the other.

B. This Appendix may be terminated by an order of an appropriate regulatory commission or a court of competent jurisdiction.

IV. MISCELLANEOUS PROVISIONS

A. Exhibit A to this Appendix is attached and incorporated into this Appendix by reference. From time to time, by written agreement of both parties, new Exhibits may be substituted for the attached Exhibit A, superseding and canceling the Exhibit A previously in effect.

B. Each party will promptly upon request, furnish to the other such information as may reasonably be required to perform under this Appendix.

V. NOTICE

In the event any notices are required under the terms of this Appendix, they shall be sent by registered mail, return receipt requested to:

If to SWBT:
Account Manager
Four Bell Plaza, 7th Floor
311 S. Akard Street
Dallas, Texas 75202-5398

If to CLEC:
Director – Regulatory Affairs/Business Dvelopment
1999 Broadway, Suite 800
Denver, Colorado 80202

VI. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS

This appendix, and every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement or any other appendices or attachments to this Agreement which are legitimately related to such interconnection, service or network element; and all such rates, terms and conditions are incorporated by reference herein and as part of every interconnection, service and network element provided hereunder. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation and construction, notice of changes, general responsibilities of the Parties, effective date, term, termination, disclaimer of representations and warranties, changes in end user local exchange service provider selection, severability, intellectual property, indemnification, limitation of liability, force majeure, confidentiality, audits, disputed amounts, dispute resolution, intervening law and miscellaneous.

EXHIBIT A TO APPENDIX WIRELESS

End Office Percent Ownership of Local Transport Facilities

CLLI Code	NPA-NXX	% Ownership of Transport Facilities

APPENDIX WP

APPENDIX WP

WHITE PAGES DIRECTORY APPENDIX

SWBT and CLEC agree to the following terms and conditions for the printing and distribution of White Pages directories:

1. SWBT publishes White Pages directories for geographic areas in which CLEC also provides local exchange telephone service, and CLEC wishes to include listings information for its end users in the appropriate SWBT White Pages directories.

2. CLEC also desires distribution to its end users of the White Pages directories that include listings of CLEC's end users.

3. NOW THEREFORE, in consideration of these premises, SWBT and CLEC agree as follows:

I. SERVICE PROVIDED

A. Subject to SWBT's practices, as well as the rules and regulations applicable to the provision of White Pages directories, SWBT will include in appropriate White Pages directories the primary alphabetical listings of all CLEC end users located within the local directory scope. The rules, regulations and SWBT practices are subject to change from time to time.

B. Prior to the issuance of a particular directory and at such time or times as may be mutually agreed, the CLEC shall furnish to SWBT, in a form acceptable to both Parties, subscriber listing information pertaining to CLEC end users located within the local directory scope, along with such additional information as SWBT may require to prepare and print the alphabetical listings of said directory.

C. CLEC may provide CLEC's subscriber listing information to SWBT for inclusion in the White Pages directory via either a mechanical or manual feed of the listing information to SWBT's listing database or the CLEC may choose to provide listings in the form of camera ready copy.

D. If CLEC provides its subscriber listing information to SWBT via a mechanical or manual feed such listings are to be alphabetically interfiled (interspersed) in the SWBT directory among SWBT subscriber listings. If CLEC provides its subscriber listing information to SWBT in the form of camera ready copy, SWBT will include such listings as a separate section of the White Pages directory included in a separate section of the SWBT White Pages directory.

E. Sixty (60) days prior to the business office close date for a particular directory, SWBT shall provide CLEC a verification list of its subscriber listings, as such listings are to appear in the directory. The verification list shall also include Directory Delivery Address information for each CLEC end user. CLEC shall review this verification list and shall submit to SWBT any necessary additions, deletions or modifications within thirty (30) days of receipt of the list from SWBT.

F. If CLEC provides its subscriber listing information to SWBT in the form of camera ready copy. SWBT shall provide CLEC sixty (60) days written notice of the date by which CLEC must provide this information to SWBT.

G. Sixty (60) days prior to the directory close, CLEC shall provide to SWBT written specification of the total number of directories that it will require, along with the number of directory(ies) that each CLEC end user will require. SWBT will provide one (1) copy of the directory to CLEC end users, unless otherwise instructed by the CLEC.

H. At CLEC's request, SWBT will include CLEC specific information (i.e., business office, residence office, repair bureau, etc.) in the White Pages directory on an "index-type" informational page. This page will also include specific information pertaining to other CLECs. At its option, CLEC shall provide SWBT with its logo and information in the form of a camera ready copy, sized at $1/8^{th}$ of a page. In those directories in which SWBT includes Spanish Customer Guide Pages, this informational page will also be provided in Spanish at CLEC's request, not to exceed $1/8^{th}$ of a page.

I. At its request, CLEC may purchase "Informational Page(s)" in the informational section of the White Pages directory covering a geographic area. Such page(s) shall be no different in style, size, color and format than SWBT "Informational Pages". Sixty (60) days prior to the directory close date, the CLEC shall provide to SWBT the "Informational Page" in the form of camera-ready copy.

II. USE OF SUBSCRIBER LISTING INFORMATION

A. CLEC authorizes SWBT to use the subscriber listing information provided to SWBT pursuant to this Appendix for the sole purpose of including the listings in the appropriate printed White Pages directory and directory assistance databases where such service is provided to the CLEC by SWBT. Included in this authorization is the exchange of extended area service listings SWBT provides for Independent Company directory publications.

B. At CLEC's written request, SWBT shall transmit CLEC's end user listing information to designated third party directory publishers (limited to publishers

that SWBT transmits its own listing information) for a one-time administrative fee of one hundred dollars ($100.00) per occurrence, per directory publisher.

III. PRICING

A. The rates for the services described herein are identified on Exhibit I attached hereto and incorporated by reference. If CLEC provides its subscriber listing information to SWBT via a mechanical or manual feed of the listings to SWBT's listings database, SWBT will assess per book copy, per subscriber line, charge when directories are delivered to CLEC end user premises, or an annual, per book copy charge when delivered in bulk to CLEC. Included in this rate, CLEC will receive for its end user, one single listing in SWBT's White Page directory, and one copy of the directory delivered to either its end user's premises, or in bulk to the CLEC location.

B. Where an CLEC end user requires additional listings to appear in the White Pages directory, SWBT will assess CLEC an annual charge for such listings at existing SWBT tariff rates.

C. For any "Subsequent" directory orders (orders placed after the initial order/forecsat is provided - see I. G. above), SWBT shall charge CLEC a per book copy charge. This rate applies, per book copy, when such directories are delivered in bulk to CLEC or to the CLEC's end user premises.

D. For inclusion of the CLEC "Informational Page" in the White Pages directory, SWBT shall charge the CLEC an annual fee for inclusion in the Metropolitan area book.

IV. ASSIGNMENT

The subscriber listing information shall remain the property of CLEC. Except as stated in Section II herein, SWBT shall not sublicense, assign, sell or transfer the subscriber listing information provided hereunder, nor shall SWBT authorize any other company or any person to use the subscriber listing information for any other purpose. SWBT shall take appropriate measures to guard against any unauthorized use of the listings provided to it hereunder (at least the same measures SWBT takes to protect its own listings from unauthorized use), whether by SWBT, its agents, employees or others.

V. LIABILITY

A. CLEC hereby releases SWBT from any and all liability for damages due to errors or omissions in CLEC's subscriber listing information as provided to SWBT under this Appendix, and/or CLEC's subscriber listing information as it appears in the White Pages directory, including, but not limited to, special, indirect, consequential, punitive or incidental damages.

B. CLEC shall indemnify, protect, save harmless and defend SWBT (or SWBT's officers, employees, agents, assigns and representatives) from and against any and all losses, liability, damages and expense arising out of any demand, claim, suit or judgment by a third party in any way related to any error or omission in CLEC's subscriber listing information as it appears in the White Pages directory, including any error or omission related to non-published or non-listed subscriber listing information. CLEC shall so indemnify regardless of whether the demand, claim or suit by the third party is brought jointly against CLEC and SWBT, and/or against SWBT alone. However, if such demand, claim or suit specifically alleges that an error or omission appears in CLEC's subscriber listing information in the White Pages directory, SWBT may, at its option, assume and undertake its own defense, or assist in the defense of the CLEC, in which event the CLEC shall reimburse SWBT for reasonable attorney's fees and other expenses incurred by SWBT in handling and defending such demand, claim and/or suit.

C. This Appendix shall not establish, be interpreted as establishing, or be used by either party to establish or to represent their relationship as any form of agency, partnership or joint venture. Neither Party shall have any authority to bind the other or to act as an agent for the other unless written authority, separate from this Appendix, is provided. Nothing in the Appendix shall be construed as providing for the sharing of profits or losses arising out of the efforts of either or both of the Parties. Nothing herein shall be construed as making either Party responsible or liable for the obligations and undertakings of the other Party.

VI. BREACH OF CONTRACT

If either Party is found to have materially breached this Appendix, the non-breaching Party may terminate the Appendix by providing written notice to the breaching party, whereupon this Appendix shall be null and void with respect to any issue of SWBT's White Pages directory published sixty (60) or more days after the date of receipt of such written notice.

VII. TERM

A. This Appendix shall continue in force for one (1) until terminated by sixty (60) days prior written notice by either Party to the other. Upon termination, SWBT shall cease using, for any purpose whatsoever, the subscriber listing information provided hereunder by CLEC, and shall promptly return such subscriber listing information to the CLEC.

B. Upon termination of the interconnection Agreement, this Appendix will be null and void with respect to any issue of directories published thereafter, except that the indemnification provided by Section V herein shall continue with respect to any directory published within sixty (60) days of termination.

VIII. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS

This appendix, and every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement or any other appendices or attachments to this Agreement which are legitimately related to such interconnection, service or network element; and all such rates, terms and conditions are incorporated by reference herein and as part of every interconnection, service and network element provided hereunder. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation and construction, notice of changes, general responsibilities of the Parties, effective date, term, termination, disclaimer of representations and warranties, changes in end user local exchange service provider selection, severability, intellectual property, indemnification, limitation of liability, force majeure, confidentiality, audits, disputed amounts, dispute resolution, intervening law and miscellaneous.

APPENDIX WP

EXHIBIT I
PRICE LIST

Directory White Pages Price Sheet				
Directory	**Price Per Book Copy Delivered in Bulk to CLEC**	**Price Per Book Copy Delivered to CLEC End User**	**Price Per Single Sided Informational Page**	**Price Per Book Copy[1] Ordered After Initial Order**

[1] Subject To Availability

Missouri Directory White Pages Price Sheet				
Directory	**Price Per Book Copy Delivered in Bulk to LSP**	**Price Per Book Copy Delivered to LSP End User**	**Price Per Single Sided Informational Page**	**Price Per Book Copy[1] Ordered After Initial Order**
Kansas City	$4.46	$6.48	$3,191.73	$10.00
Springfield	$4.46	$6.48	$3,191.73	$10.00
St. Louis	$4.46	$6.48	$3,191.73	$10.00
Cape Girardeau	$1.29	$2.50	$168.09	$10.00
Chillicothe	$1.29	$2.50	$168.09	$10.00
Excelsior Spgs.	$1.29	$2.50	$168.09	$10.00
Fulton	$1.29	$2.50	$168.09	$10.00
Greater Jeff Cty.	$1.29	$2.50	$168.09	$10.00
Hannibal	$1.29	$2.50	$168.09	$10.00
Kennett	$1.29	$2.50	$168.09	$10.00
Kirksville	$1.29	$2.50	$168.09	$10.00
Lake Ozarks	$1.29	$2.50	$168.09	$10.00
Marshall	$1.29	$2.50	$168.09	$10.00
Mexico	$1.29	$2.50	$168.09	$10.00
Moberly	$1.29	$2.50	$168.09	$10.00
Nevada	$1.29	$2.50	$168.09	$10.00
Perryville	$1.29	$2.50	$168.09	$10.00
Poplar Bluff	$1.29	$2.50	$168.09	$10.00
Sedalia	$1.29	$2.50	$168.09	$10.00
Sikeston	$1.29	$2.50	$168.09	$10.00
St. Joseph	$1.29	$2.50	$168.09	$10.00
Tri-State	$1.29	$2.50	$168.09	$10.00
Washington	$1.29	$2.50	$168.09	$10.00
Adrian	$1.26	$2.81	$75.59	$10.00
Booneville	$1.26	$2.81	$75.59	$10.00
Bowling Green	$1.26	$2.81	$75.59	$10.00
Caruthersville	$1.26	$2.81	$75.59	$10.00
Elsberry	$1.26	$2.81	$75.59	$10.00
Linn	$1.26	$2.81	$75.59	$10.00
MO's Parkland	$1.26	$2.81	$75.59	$10.00
Monett	$1.26	$2.81	$75.59	$10.00
Portageville	$1.26	$2.81	$75.59	$10.00
Stanberry	$1.26	$2.81	$75.59	$10.00

[1] Subject To Availability