

## DSL APPENDIX

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**APPENDIX DSL**  
**Digital Subscriber Line (DSL) Capable Loops**

**1. INTRODUCTION**

- 1.1 This Appendix sets forth terms and conditions for providing DSL by the applicable SBC Communications Inc. (SBC) owned Incumbent Local Exchange Carrier (ILEC) and Competitive Local Exchange Carrier (CLEC).
- 1.2 SBC Communications Inc. (SBC) means the holding company which owns the following ILECs: Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company d/b/a Ameritech Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada Bell Telephone Company, The Ohio Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, Southwestern Bell Telephone, L.P. d/b/a Southwestern Bell Telephone Company and/or Wisconsin Bell, Inc. d/b/a Ameritech Wisconsin.
- 1.3 As used herein, SBC-12STATE means the above listed ILECs doing business in Arkansas, California, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, Wisconsin, and Connecticut.
- 1.4 As used herein, SNET means the applicable above listed ILEC doing business in Connecticut.
- 1.5 As used herein, SBC-SWBT, means the applicable above listed ILEC doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.
- 1.6 As used herein, SBC-AMERITECH, means the applicable above listed ILEC doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 1.7 As used herein, SBC-PACIFIC, means the applicable above listed ILEC doing business in California.
- 1.8 As used herein, SBC-NEVADA, means the applicable above listed ILEC doing business in Nevada.
- 1.9 The prices at which SBC-12STATE agrees to provide CLEC with DSL is contained in the applicable Appendix and/or the applicable Commission ordered tariff where stated.
- 1.10 The prices, terms, and conditions herein are not applicable in SNET. SNET's unbundled DSL offering may be found in the Commission-ordered Connecticut Access Service Tariff, Section 18.2.

- 1.11 SBC-12STATE agrees to provide CLEC with access to UNEs (including the unbundled xDSL Capable Loop) in accordance with the rates, terms and conditions set forth in this xDSL Attachment and the general terms and conditions applicable to UNEs under this Agreement, for CLEC to use in conjunction with its desired xDSL technologies and equipment to provide xDSL services to its end user customers.

## 2. DEFINITIONS

- 2.1 For purposes of this Appendix, a "loop" is defined as a transmission facility between a distribution frame (or its equivalent) in a central office and the loop demarcation point at an end user customer premises.
- 2.2 For purposes of this Appendix, a "subloop" is defined as any portion of the loop from SBC-12STATE's F1/F2 interface to the demarcation point at the customer premise that can be accessed at a terminal in SBC-12STATE's outside plant. An accessible terminal is a point on the loop where technicians can access the wire or fiber within the cable without removing a splice closure to reach the wire within. The Parties recognize that this is only one form of subloop (defined as the F1/F2 interface to the customer premise) as set forth in the FCC's Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-986 (FCC 99-238), including the FCC's Supplemental Order issued In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996, in CC Docket No. 96-98 (FCC 99-370) (rel. November 24, 1999) ("the UNE Remand Order"). Additional subloop types may be negotiated and agreed to by the Parties consistent with the UNE Remand Order. Subloops discussed in this Appendix will be effective in accordance with the dates set out in the UNE Remand Order.
- 2.3 The term "Digital Subscriber Line" ("DSL") describes various technologies and services. The "x" in "xDSL" is a place holder for the various types of DSL services, including, but not limited to ADSL (Asymmetric Digital Subscriber Line), IDSL (ISDN Digital Subscriber Line), SDSL (Symmetrical Digital Subscriber Line), UDSL (Universal Digital Subscriber Line), VDSL (Very High-Speed Digital Subscriber Line), and RADSL (Rate-Adaptive Digital Subscriber Line).
- 2.4 A loop technology that is "presumed acceptable for deployment" is one that either complies with existing industry standards, has been successfully deployed by another carrier in any state without significantly degrading the performance of other services, or has been approved by the FCC, any state commission, or an industry standards body.
- 2.5 A "non-standard xDSL-based technology" is a loop technology that is not presumed acceptable for deployment under Section 2.4 of this Appendix.

- 2.6 "Continuity" shall be defined as a single, uninterrupted path along a circuit, from the Minimum Point of Entry (MPOE) or other demarcation point to the Point of Interface (POI) located on the horizontal side of the Main Distribution Frame (MDF).
  - 2.7 "Proof of Continuity" shall be determined by performing a physical fault test from the MPOE or other demarcation point to the POI located on the horizontal side of the MDF by providing a short across the circuit on the tip and ring, and registering whether it can be received at the far end. This test will be known hereafter as "Proof of Continuity" or "Continuity Test."
  - 2.8 "xDSL Capable Loop" is a loop that a CLEC may use to deploy xDSL technologies.
  - 2.9 "Acceptance Testing" shall be defined as the joint testing for xDSL loops between SBC-12STATE's Technician, its Local Operations Center ("LOC") or Network Repair Center technician, and the CLECs designated test representative for the purpose of verifying Continuity as more specifically described in Section 7.
  - 2.10 Plan of Record for Pre-Ordering and Ordering of xDSL and other Advanced Services ("Plan of Record" or "POR") refers to SBC-12STATE's December 7, 1999 filing with the FCC, including any subsequent modifications or additions to such filing.
  - 2.11 The "Splitter" is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the Digital Subscriber Line Access Multiplexer (DSLAM) equipment or may be externally mounted.
  - 2.12 Digital Subscriber Line Access Multiplexer" ("DSLAM") is a piece of equipment that links end-user DSL connections to a single high-speed packet switch, typically ATM or IP.
3. **GENERAL TERMS AND CONDITIONS RELATING TO UNBUNDLED xDSL-CAPABLE LOOPS**
- 3.1 SBC-12STATE will provide a loop for CLEC to deploy xDSL technologies presumed acceptable for deployment or non-standard xDSL technology as defined in this Appendix. SBC-12STATE will not impose limitations on the transmission speeds of xDSL services; provided, however, SBC-12STATE does not guarantee transmission speeds, available bandwidth nor imply any service level.
  - 3.2 SBC-12STATE shall not deny CLEC's request to deploy any loop technology that is presumed acceptable for deployment pursuant to state or federal rules unless SBC-12STATE has demonstrated to the state commissions in accordance with FCC orders

that CLEC's deployment of the specific loop technology will significantly degrade the performance of other advanced services or traditional voice band services.

- 3.3 In the event the CLEC wishes to introduce a technology that has been approved by another state commission or the FCC, or successfully deployed elsewhere, the CLEC will provide documentation describing that action to SBC-12STATE and the state commission before or at the time of its request to deploy such technology within SBC-12STATE. The documentation should include the date of approval or deployment, any limitations included in its deployment, and a sworn attestation that the deployment did not significantly degrade the performance of other services.
- 3.4 In the event the CLEC wishes to introduce a technology that does not conform to existing industry standards and has not been approved by an industry standards body, the FCC, or a state commission, the burden is on the CLEC to demonstrate that its proposed deployment meets the threshold for a presumption of acceptability and will not, in fact, significantly degrade the performance of other advanced services or traditional voice band services.
- 3.5 Liability
- 3.5.1 Notwithstanding any other provision of this Appendix, each Party, whether a CLEC or SBC-12STATE, agrees that should it cause any non-standard xDSL technologies to be deployed or used in connection with or on SBC-12STATE facilities, the Party ("Indemnifying Party") will pay all costs associated with any damage, service interruption or other telecommunications service degradation, or damage to the other Party's ("Indemnitee") facilities. Notwithstanding any other provision of this Appendix, each Party ("Indemnifying Party") shall release, defend and indemnify the other Party ("Indemnitee") and hold Indemnitee harmless against any loss, or claim made by the Indemnifying Party's end-user, arising out of the negligence or willful misconduct of the Indemnitee, its agents, its end users, contractors, or others retained by such Party, in connection with Indemnitee's provision of splitter functionality under this Appendix.
- 3.5.2 For any technology, CLEC's use of any SBC-12STATE network element, or its own equipment or facilities in conjunction with any SBC-12STATE network element, will not materially interfere with or impair service over any facilities of SBC-12STATE, its affiliated companies or connecting and concurring carriers involved in SBC-12STATE services, cause damage to SBC-12STATE's plant, impair the privacy of a communications carried over SBC-12STATE's facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, SBC-12STATE may discontinue or refuse service if CLEC violates this provision, provided that such termination of service will be limited to CLEC's use of the element(s) causing the violation. If SBC-12STATE does

not believe the CLEC has made the sufficient showing of harm, or if CLEC contests the basis for the disconnection, either Party must first submit the matter to dispute resolution under the Dispute Resolution Procedures set forth in this Appendix. Any claims of network harm by SBC-12STATE must be supported with specific and verifiable supporting information.

### 3.6 Indemnification

- 3.6.1 Covered Claim: Notwithstanding any other provisions of this Appendix, each Party ("Indemnifying Party") will release, indemnify, defend and hold harmless the other Party ("Indemnatee") from and against any loss, liability, claim, or damage, including but not limited to direct, indirect or consequential damages, made against Indemnatee by any telecommunications service provider or telecommunications user (other than claims for damages or other losses made by an end-user of Indemnatee for which Indemnatee has sole responsibility and liability) caused, in whole or substantial part, by the use of non-standard xDSL technologies by the Indemnifying Party.
- 3.6.2 Indemnifying Party is permitted to fully control the defense or settlement of any Covered Claim, including the selection of defense counsel. Notwithstanding the foregoing, the Indemnifying Party will consult with Indemnatee on the selection of defense counsel and consider any applicable conflicts of interest. Indemnifying Party is required to assume all costs of the defense and any loss, liability, claim or damage indemnified pursuant to Section 3.7.1 above and Indemnatee will bear no financial or legal responsibility whatsoever arising from such claims.
- 3.6.3 Indemnatee agrees to fully cooperate with the defense of any Covered Claim. Indemnatee will provide written notice to the Indemnifying Party of any Covered Claim at the address for notice set forth herein within ten days of receipt, and, in the case of receipt of service of process, will deliver such process to the Indemnifying Party not later than 10 business days prior to the date for response to the process. Indemnatee will provide to Indemnifying Party reasonable access to or copies of any relevant physical and electronic documents or records related to the deployment of non-standard xDSL technologies in the area affected by the claim, or the Indemnifying Party's provision of splitter functionality under this Appendix, all other documents or records determined to be discoverable, and all other relevant documents or records that defense counsel may reasonably request in preparation and defense of the Covered Claim. Indemnatee will further cooperate with the Indemnifying Party's investigation and defense of the Covered Claim by responding to the reasonable requests to make its employees with knowledge relevant to the Covered Claim available as witnesses for preparation and participation in discovery and trial during regular weekday business hours.

Indemnitee will promptly notify the Indemnifying Party of any settlement communications, offers or proposals received from claimants.

- 3.6.4 Indemnitee agrees that Indemnifying Party will have no indemnity obligation under 3.7.1 above, and Indemnitee will reimburse Indemnifying Party's defense costs, in any case in which Indemnifying Party's technology is determined not to be the cause of any of Indemnitee's liability and in any case in which the Indemnifying Party's provision of splitter functionality under this Appendix is determined not to be the cause of any of Indemnitee's liability.
- 3.6.5 Claims Not Covered: No Party hereunder agrees to indemnify or defend any other Party against claims based on the other Party's gross negligence or intentional misconduct.

#### 4. **UNBUNDLED xDSL-CAPABLE LOOP OFFERINGS**

- 4.1. DSL-Capable Loops: For each of the loop types described in Sections 4.1.1 - 4.1.4 below, CLEC will, at the time of ordering, notify **SBC-12STATE** as to the Power Spectral Density (PSD) mask of the technology the CLEC will deploy.
  - 4.1.1 2-Wire xDSL Loop: A 2-wire xDSL loop for purposes of this section, is a copper loop over which a CLEC may provision various DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in length). However removal of load coils, repeaters or excessive bridged tap on an existing loop is optional, subject to conditioning charges, and will be performed at CLEC's request. The rates set forth in Appendix Pricing shall apply to this 2-Wire xDSL Loop.
  - 4.1.2 **SBC-SWBT & SBC-AMERITECH** only: IDSL Loop: An IDSL Loop for purposes of this Section is a 2-Wire Digital Loop transmission facility which supports IDSL services. The terms and conditions for the IDSL Loop are set forth in the Appendix UNE. This loop also includes additional acceptance testing to insure the IDSL technology is compatible with the underlying Digital Loop Carrier system if present. IDSL is not compatible with all Digital Loop Carrier Systems and therefore this offering may not be available in all areas. The rates set forth in Appendix Pricing shall apply to this IDSL Loop.
  - 4.1.3 4-Wire xDSL Loop: A 4-Wire xDSL loop for purposes of this section, is a copper loop over which a CLEC may provision DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not



include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in length). However removal of load coils, repeaters or excessive bridged tap on an existing loop is optional and will be performed at CLEC's request. The rates set forth in Appendix Pricing shall apply to this 4-Wire xDSL Loop.

- 4.1.4 Sub-Loop: In locations where SBC-12STATE has deployed: (1) Digital Loop Carrier systems and an uninterrupted copper loop is replaced with a fiber segment or shared copper in the distribution section of the loop; (2) Digital Added Main Line ("DAML") technology to derive multiple voice-grade POTS circuits from a single copper pair; or (3) entirely fiber optic facilities to the end user, SBC-12STATE will make the following options available to CLEC:

4.1.4.1 Where spare copper facilities are available, and the facilities meet the necessary technical requirements for the provisioning of DSL, the CLEC has the option of requesting SBC-12STATE to make copper facilities available (subject to Section 4.6 below).

4.1.4.2 The CLEC has the option of collocating a DSLAM in SBC-12STATE's Remote Terminal ("RT") at the fiber/copper interface point, pursuant to collocation terms and conditions. When the CLEC collocates its DSLAM at SBC-12STATE RTs, SBC-12STATE will provide CLEC with unbundled access to subloops to allow CLEC to access the copper wire portion of the loop.

4.1.4.3 Where the CLEC is unable to obtain spare copper loops necessary to provision a DSL service, and SBC-12STATE has placed a DSLAM in the RT, SBC-12STATE must unbundle and provide access to its packet switching. SBC-12STATE is relieved of this unbundling obligation only if it permits a requesting CLEC to collocate its DSLAM in SBC-12STATE's remote terminal, on the same terms and conditions that apply to its own DSLAM. The rates set forth in Appendix Pricing shall apply to this subloop.

- 4.1.5 When SBC-12STATE is the provider of the retail POTS analog voice service on the same loop to the same end-user access will be offered on loops that meet the loop requirements as defined in Sections 4.1.1-4.1.4 above. The CLEC will provide SBC-12STATE with the type of technology it seeks to deploy, at the time of ordering, including the PSD of the technology the CLEC will deploy. If the technology does not have a PSD mask, CLEC shall provide SBC-12STATE with a technical description of the technology (including power mask) for inventory purposes.

- 4.1.5.1 xDSL technologies may only reside in the higher frequency ranges, preserving a "buffer zone" to ensure the integrity of voice band traffic.
- 4.2. When SBC-12STATE traditional retail POTS services are disconnected, SBC-12STATE will notify the CLEC that POTS service is being disconnected. All appropriate recurring and nonrecurring charges for the rearrangement and/or disconnect shall apply pursuant to Appendix Pricing.. Upon request of either Party, the Parties shall meet to negotiate rates, terms and conditions for such notification and disconnection.
- 4.3. SBC-12STATE shall be under no obligation to provide multi-carrier or multi-service line sharing arrangements as referenced in FCC 99-35, paragraph 75.
- 4.4. CLEC may provide voice and data services over the same loop by engaging in "line splitting" as set forth in paragraph 323-29 of the FCC's Texas 271 Order (CC Docket 00-65 (FCC 00-238), released June 30, 2000). Consistent with that Order, SBC-12STATE shall not be required to provide low frequency voice service to CLEC "A" and high frequency data service to CLEC "B" on the same loop. CLEC shall provide any splitters used for line splitting. To implement line splitting, CLEC may order, including using supporting OSS, loops, unbundled switching, collocater-to-collocater connections, and available cross-connects, under the terms and conditions set forth in this Appendix.
- 4.5. SBC-12STATE shall be under no obligation to provision xDSL capable loops in any instance where physical facilities do not exist. This shall not apply where physical facilities exist, but conditioning is required. In that event, CLEC will be given the opportunity to evaluate the parameters of the xDSL service to be provided, and determine whether and what type of conditioning should be performed. CLEC shall pay SBC-12STATE for conditioning performed at CLEC's request pursuant to Sections 7.1 and 7.2 below.
- 4.6. For each loop, CLEC shall at the time of ordering notify SBC-12STATE as to the PSD mask of the technology the CLEC intends to deploy on the loop. If and when a change in PSD mask is made, CLEC will immediately notify SBC-12STATE. Likewise, SBC-12STATE will disclose to CLEC upon request information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops. SBC-12STATE will use this formation for the sole purpose of maintaining an inventory of advanced services present in the cable sheath. If the technology does not fit within a national standard PSD mask, CLEC shall provide SBC-12STATE with a technical description of the technology (including power mask) for inventory purposes. Additional information on the use of PSD masks can be found in Section 10 below.

- 4.7. SBC-12STATE will not deny a requesting CLEC's right to deploy new xDSL technologies that do not conform to the national standards and have not yet been approved by a standards body (or otherwise authorized by the FCC, any state commission or which have not been successfully deployed by any carrier without significantly degrading the performance of other services) if the requesting CLEC can demonstrate to the Commission that the loop technology will not significantly degrade the performance of other advanced services or traditional voice band services.
- 4.7.1 Upon request by CLEC, SBC-12STATE will cooperate in the testing and deployment of new xDSL technologies or may direct the CLEC, at CLEC's expense, to a third party laboratory of CLEC's choice for such evaluation.
- 4.7.2 If it is demonstrated that the new xDSL technology will not significantly degrade the other advanced services or traditional voice based services, SBC-12STATE will provide a loop to support the new technology for CLEC as follows:
- 4.7.2.1 If the technology requires the use of a 2-Wire or a 4-Wire xDSL loop (as defined above), then SBC-12STATE will provide an xDSL loop at the same rates listed for a 2-Wire or 4-Wire xDSL loop and associated loop conditioning as needed.
- 4.7.2.2 In the event that a xDSL technology requires a loop type that differs from that of a 2-Wire or 4-Wire xDSL loop (as defined in this Attachment), the Parties make a good faith effort to arrive at an Agreement as to the rates, terms and conditions for an unbundled loop capable of supporting the proposed xDSL technology. If negotiations fail, any dispute between the Parties concerning the rates, terms and conditions for an unbundled loop capable of supporting the proposed xDSL technology shall be resolved pursuant to the dispute resolution process provided for in this Appendix.
- 4.7.2.3 SBC-12STATE or another CLEC claims that a service is significantly degrading the performance of other advanced services or traditional voice band services, then SBC-12STATE or that other CLEC must notify the causing carrier and allow that carrier a reasonable opportunity to correct the problem. Any claims of network harm must be supported with specific and verifiable supporting information. In the event that SBC-12STATE or a CLEC demonstrates to the Commission that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, the carrier deploying the technology shall discontinue deployment of that technology and

migrate its customers to technologies that will not significantly degrade the performance of such services.

- 4.7.3 Each Party must abide by Commission or FCC-approved spectrum management standards. SBC-12STATE will not impose its own standards for provisioning xDSL services. However, SBC-12STATE will publish non-binding Technical Publications to communicate current standards and their application as set forth in Paragraph 72 of FCC Order 99-48 (rel. March 31, 1999), FCC Docket 98-147.

## 5. OPERATIONAL SUPPORT SYSTEMS: LOOP MAKEUP INFORMATION AND ORDERING

- 5.1. General: SBC-12STATE will provide CLEC with nondiscriminatory access by electronic or manual means, to its loop makeup information set forth in SBC-12STATE's Plan of Record. In the interim, loop makeup data will be provided as set forth below. In accordance with the FCC's UNE Remand Order, CLEC will be given nondiscriminatory access to the same loop makeup information that SBC-12STATE is providing any other CLEC and/or SBC-12STATE's retail operations or its advanced services affiliate.
- 5.2. Loop Pre-Qualification: Subject to 6.1 above, SBC-12STATE's pre-qualification will provide a near real time response to CLEC queries. Until replaced with OSS access as provided in 6.1, SBC-12STATE will provide mechanized access to a loop length indicator via Verigate and DataGate in regions where Verigate/DataGate are generally available for use with xDSL-based, or other advanced services. The loop length is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office. This is an optional service to the CLEC and is available at no charge.
- 5.3. Loop Qualification: Subject to 6.1 above, SBC-12STATE will develop and deploy enhancements to its existing DataGate and EDI interfaces that will allow CLECs, as well as SBC-12STATE's retail operations or its advanced services affiliate, to have near real time electronic access as a preordering function to the loop makeup information. As more particularly described below, this loop makeup information will be categorized by three separate pricing elements: mechanized, manual, and detailed manual.
- 5.3.1 Mechanized loop qualification includes data that is available electronically and provided via an electronic system. Electronic access to loop makeup data through the OSS enhancements described in 6.1 above will return information in all fields described in SBC's Plan of Record when such information is contained in SBC-12STATE's electronic databases. CLEC will be billed a mechanized loop qualification charge for each xDSL capable loop order submitted at the rates set forth in Appendix Pricing.

- 5.3.2 Manual loop qualification requires the manual look-up of data that is not contained in an electronic database. Manual loop makeup data includes the following: (a) the actual loop length; (b) the length by gauge; (c) the presence of repeaters, load coils, bridged taps; and shall include, if noted on the individual loop record, (d) the total length of bridged taps; (e) the presence of pair gain devices, DLC, and/or DAML, and (f) the presence of disturbers in the same and/or adjacent binder groups. CLEC will be billed a manual loop qualification charge for each manual loop qualification requested at the rates set forth in Appendix Pricing.
- 5.3.3 Detailed manual loop qualification includes all fields as described in SBC's Plan of Record, including the fields described in fields 6.3.2 above. CLEC will be billed a detailed manual loop qualification charge for each detailed manual loop qualification requested at the rates set forth in Appendix Pricing.
- 5.4. All three categories of loop qualification are subject to the following:
  - 5.4.1 If load coils, repeaters or excessive bridged tap are present on a loop less than 12,000 feet in length, conditioning to remove these elements will be performed without request and at no charge to the CLEC.
  - 5.4.2 If a CLEC elects to have **SBC-12STATE** provide loop makeup through a manual process for information not available electronically, then the loop qualification interval will be 3-5 business days, or the interval provided to **SBC-12STATE**'s affiliate, whichever is less.
  - 5.4.3 If the results of the loop qualification indicate that conditioning is available, CLEC may request that **SBC-12STATE** perform conditioning at charges set forth in Appendix Pricing. The CLEC may order the loop without conditioning or with partial conditioning if desired.

## 6. PROVISIONING

- 6.1. Provisioning: **SBC-12STATE** will not guarantee that the local loop(s) ordered will perform as desired by CLEC for xDSL-based, or other advanced services, but will guarantee basic metallic loop parameters, including continuity and pair balance. CLEC-requested testing by **SBC-12STATE** beyond these parameters will be billed on a time and materials basis at the applicable tariffed rates. On loops where CLECs have requested that no conditioning be performed, **SBC-12STATE**'s maintenance will be limited to verifying loop suitability based on POTS design. For loops having had partial or extensive conditioning performed at CLEC's request, **SBC-12STATE** will verify continuity, the completion of all requested conditioning, and will repair at no charge to CLEC any gross defects which would be unacceptable based on current POTS design criteria and which do not result from the loop's modified

design. For loops less than 12,000 feet, SBC-12STATE will remove load coils, repeaters, and excessive bridged tap at no charge to CLEC.

- 6.2. Subject to Section 6.4.4 above, CLEC shall designate, at the CLEC's sole option, what loop conditioning SBC-12STATE is to perform in provisioning the xDSL loop(s), or subloop(s), on the loop order. Conditioning may be ordered on loop(s), or subloop(s) of any length at the Loop conditioning rates set forth in the Appendix Pricing. The loop, or subloop will be provisioned to meet the basic metallic and electrical characteristics such as electrical conductivity and capacitive and resistive balance.
- 6.3. The provisioning intervals are applicable to every xDSL loop regardless of the loop length. The Parties will meet to negotiate and agree upon subloop provisioning intervals.
  - 6.3.1 The provisioning and installation interval for xDSL-capable loops, where no conditioning is requested (including outside plant rearrangements that involve moving a working service to an alternate pair as the only possible solution to provide a DSL-capable loop), on orders for 1-20 loops per order or per end-user location, will be 5 business days, or the provisioning and installation interval applicable to SBC-12STATE's tariffed xDSL-based services, or its affiliate's, whichever is less.
  - 6.3.2 For CLEC orders of more than 20 xDSL-capable loops per order or per end user location where no conditioning is requested, the provisioning and installation interval will be 15 business days, or as agreed upon by the Parties.
  - 6.3.3 The provisioning and installation intervals for xDSL-capable loops where conditioning is requested or outside plant rearrangements are necessary, as defined above, on orders for 1-20 loops per order or per end-user customer location, will be ten (10) business days, or the provisioning and installation interval applicable to SBC-12STATE's tariffed xDSL-based services or its affiliate's xDSL-based services where conditioning is required, whichever is less.
  - 6.3.4 Orders for more than 20 xDSL-capable loops per order which require conditioning will have a provisioning and installation interval agreed by the parties in each instance.
  - 6.3.5 Orders to convert existing stand-alone DSL-capable UNE loops to line shared loops, regardless of quantity, will be handled as Special Projects. The interval for such conversions will be determined on a case-by-case basis and will be jointly agreed upon by the Parties.

- 6.3.6 Subsequent to the initial order for a xDSL capable loop or subloop additional conditioning may be requested on such loop(s) at the rates set forth in the Appendix Pricing and the applicable service order charges will apply; provided, however, when requests to add or modify conditioning are received for a pending xDSL capable loop(s) order, no additional service order charges shall be assessed, but the due date may be adjusted if necessary to meet standard offered provisioning intervals. The provisioning interval for additional requests for conditioning pursuant to this subsection will be the same as set forth above. In addition, CLEC agrees that standard offered intervals do not constitute performance measurement commitments.
- 6.3.7 The CLEC, at its sole option, may request shielded cabling between network elements and frames within the central office for use with 2-wire xDSL loop when used to provision ADSL over a DSL-capable loop provided for herein at the rates set forth in the Appendix Pricing. Tight Twist cross-connect wire will be used on all identified DSL services on all central office frames.

## 7. TESTING

- 7.1. SBC-12STATE and the CLEC agree to implement Acceptance Testing during the provisioning cycle for xDSL loop delivery.
- 7.2. Should the CLEC desire Acceptance Testing, it shall request such testing on a per xDSL loop basis upon issuance of the Local Service Request (LSR). Acceptance Testing will be conducted at the time of installation of the service request.
- 7.2.1 If the LSR was placed without a request for Acceptance Testing, and the CLEC should determine that it is desired or needed during any subsequent phase of provisioning, the request may be added at any time; however, this may cause a new standard due date to be calculated for the service order.
- 7.3. Acceptance Testing Procedure:
- 7.3.1 Upon delivery of a loop to/for the CLEC, SBC-12STATE's field technician will call the LOC and the LOC tester will call a toll free number provided by the CLEC to initiate performance of a series of Acceptance Tests.
- 7.3.2 If the loop passes the "Proof of Continuity" parameters, as defined by this Appendix for DSL loops, the CLEC will provide SBC-12STATE with a confirmation number and SBC-12STATE will complete the order. The CLEC will be billed for the Acceptance Test as specified below under Acceptance Testing Billing at the applicable rates as set forth in Appendix Pricing.
- 7.3.3 If the Acceptance Test fails loop Continuity Test parameters, as defined by this Appendix for DSL loops, the LOC technician will take any or all

reasonable steps to immediately resolve the problem with the CLEC on the line including, but not limited to, calling the central office to perform work or troubleshooting for physical faults. If the problem cannot be resolved in an expedient manner, the technician will release the CLEC representative, and perform the work necessary to correct the situation. Once the loop is correctly provisioned, SBC-12STATE will re-contact the CLEC representative to repeat the Acceptance Test. When the aforementioned test parameters are met, the CLEC will provide SBC-12STATE with a confirmation number and SBC-12STATE will complete the order. If CLEC xDSL service does not function as desired, yet test parameters are met, SBC-12STATE will still close the order. SBC-12STATE will not complete an order that fails Acceptance Testing.

- 7.3.4 SBC-12STATE will be relieved of the obligation to perform Acceptance Testing on a particular loop and will assume acceptance of the loop by the CLEC when the CLEC cannot provide a "live" representative (through no answer or placement on hold) for over ten (10) minutes. SBC-12STATE may then close the order utilizing existing procedures, document the time and reason, and may bill the CLEC as if the Acceptance Test had been completed and the loop accepted, subject to Section 8.4 below.
- 7.3.5 If, however, a trouble ticket is opened on the loop within 24 hours and the trouble resulted from SBC-12STATE error as determined through standard testing procedures, the CLEC will be credited for the cost of the Acceptance Test. Additionally, the CLEC may request SBC-12STATE to re-perform the Acceptance Test at the conclusion of the repair phase again at no charge.
- 7.3.6 Both Parties declare they will work together, in good faith, to implement Acceptance Testing procedures that are efficient and effective. If the Parties mutually agree to additional testing, procedures and/or standards not covered by this Appendix or any Public Utilities Commission or FCC ordered tariff, the Parties will negotiate terms and conditions to implement such additional testing, procedures and/or standards. Additional charges may apply if any accepted changes in Acceptance Testing procedures require additional time and/or expense.

#### 7.4. Acceptance Testing Billing

- 7.4.1 The CLEC will be billed for Acceptance Testing upon the effective date of this Appendix for loops that are installed correctly by the committed interval without the benefit of corrective action due to acceptance testing.



7.5. Cooperative Testing: (**SBC-12-STATE**)

<b>REGION</b>	<b>TARIFF**</b>
Ameritech	FCC No. 2; Sec. 13.3.4 (C)(1)(a)
Nevada Bell*	FCC No. 1; Sec. 13.3.5 (B)(1)
Pacific Bell	FCC No. 1; Sec. 13.3.5 (C)(1)(a)
Southwestern Bell	FCC No. 73; Sec. 13.4.8 (A)

\* Nevada Bell Charges represent I/R Technicians and Central Office Maintenance respectively.

\*\*Rates subject to tariff changes.

- 7.5.1 **SBC-12-STATE** and CLEC agree to implement Cooperative Testing during the repair and maintenance cycle of xDSL capable loops delivery.
- 7.5.2 Should CLEC desire Cooperative Testing, it shall request such testing on a trouble ticket on each xDSL capable loop upon issuance of the trouble ticket.
- 7.5.3 If the trouble ticket was opened without a request for Cooperative Testing, and the CLEC should determine that it is desired or needed during any subsequent phase of maintenance and repair, the request may be added; however, a new due date will be calculated to account for the additional work.
- 7.5.4 Assurance (Cooperative) Testing is available in the SNET operating region during the maintenance cycle of xDSL loops for trouble tickets. The prices, terms, and conditions may be found in the Commission-ordered Connecticut Access Service Tariff, Section 6.7.2, Sections C&D. Time Classifications are described in Section 6.1.3, Sections A, B, & C.

## 7.6 Cooperative Testing Procedure:

- 7.6.1 The **SBC-12STATE** field technician will call the LOC and the LOC will contact the CLEC for test and resolution of the trouble ticket and to verify basic metallic loop parameters including proof of continuity and pair balance.
  - 7.6.1.1 If the loop passes the "Proof of Continuity" parameters, as defined by this Appendix for DSL capable loops, the technician will close out the trouble report and the LOC will bill for the cooperative testing.
  - 7.6.1.2 If the Cooperative testing fails "Proof of Continuity" parameters, as defined by this Appendix for DSL capable loops, the LOC technician will take any reasonable steps to immediately resolve the problem with the CLEC on the line including, but not limited to, calling the central office to perform work or troubleshooting for physical faults. If the problem cannot be resolved in an expedient manner, the technician will release the CLEC representative, and perform the work reasonably necessary to bring the loop to standard

continuity parameters as defined by this Appendix for xDSL capable loops. When the aforementioned test parameters are met, the LOC will contact the CLEC for another cooperative testing.

- 7.6.1.3 **SBC-12STATE** will be relieved of the obligation to perform Cooperative Testing on a particular loop and will assume acceptance of the test by the CLEC when the CLEC cannot provide a "live" representative (through no answer or placement on hold) for over ten (10) minutes. **SBC-12STATE** may then close the trouble ticket, document the time and reason, and may bill the CLEC as if the Cooperative Test had been completed.

- 7.7 The charges for Acceptance and Cooperative Testing are provided in Appendix PRICING and/or the applicable tariff.

- 7.7.1 If requested by the CLEC, Overtime or Premium time charges will apply for Acceptance Testing requests in off-hours at overtime time charges calculated at one and one half times the standard price and premium time being calculated at two times the standard price.

## 8. MAINTENANCE /SERVICE ASSURANCE

- 8.1 If requested by either Party, the parties will negotiate in good faith to arrive at terms and conditions for Acceptance Testing on repairs.
- 8.2 Maintenance, other than assuring loop continuity and balance on unconditioned or partially conditioned loops greater than 12,000 feet, will only be provided on a time and material basis. On loops where CLEC has requested recommended conditioning not be performed, **SBC-12STATE**'s maintenance will be limited to verifying loop suitability for POTS. For loops having had partial or extensive conditioning performed at CLEC's request, **SBC-12STATE** will verify continuity, the completion of all requested conditioning, and will repair at no charge to CLEC any gross defects which would be unacceptable for POTS and which do not result from the loop's modified design. For loops under 12,000 feet, **SBC-12STATE** will remove load coils, repeaters and excessive bridge tap at no charge.
- 8.3 An **SBC-12STATE** will provide CLECs access to its legacy Mechanized Loop Testing (MLT) system and its inherent testing functions. Prior to a CLEC utilizing MLT intrusive test scripts, the CLEC must have established data service on that loop and have specifically informed the customer that service testing will interrupt both the data and voice telephone services served by that line. CLEC may not perform intrusive testing without having first obtained the express permission of the end user customer and the name of the person providing such permission. CLEC shall make a note on the applicable screen space of the name of the end user customer providing permission for such testing before initializing any intrusive test or so note such information on the CLEC's trouble documentation for non-mechanized tests.

- 8.4 CLEC hereby agrees to assume any and all liability for any such intrusive testing it performs, including the payment of all costs associated with any damage, service interruption, or other telecommunications service degradation or damage to SBC-12STATE facilities and hereby agrees to release, defend and indemnify SBC-12STATE, and hold SBC-12STATE harmless, from any claims for loss or damages, including but not limited to direct, indirect or consequential damages, made against SBC-12STATE by an end user customer, any telecommunications service provider or telecommunications user relating to such testing by CLEC.
- 8.5 SBC-12STATE will not guarantee that the local loop (s) ordered will perform as desired by CLEC for xDSL-based or other advanced services, but will guarantee basic metallic loop parameters, including continuity and pair balance. CLEC-requested testing by SBC-12STATE beyond these parameters will be billed on time and material basis as set forth in the tariff rates listed above.
- 8.6 The CLEC shall not rearrange or modify the retail-POTS within its equipment in any way without first coordinating with SBC-12STATE.

## 9. SPECTRUM MANAGEMENT

- 9.1 CLEC will advise SBC-12STATE of the PSD mask approved or proposed by T1.E1 that reflect the service performance parameters of the technology to be used. The CLEC, at its option, may provide any service compliant with that PSD mask so long as it stays within the allowed service performance parameters. At the time of ordering a xDSL-capable loop, CLEC will notify SBC-12STATE as to the type of PSD mask CLEC intends to use on the ordering form, and if and when a change in PSD mask is made, CLEC will notify SBC-12STATE. CLEC will abide by standards pertinent for the designated PSD mask type.
- 9.2 SBC-12STATE agrees that as a part of spectrum management, it will maintain an inventory of the existing services provisioned on the cable. SBC-12STATE may not segregate xDSL technologies into designated binder groups without Commission review and approval, or approved industry standard. SBC-12STATE shall not deny CLEC a loop based upon spectrum management issues, subject to 10.3 below. In all cases, SBC-12STATE will manage the spectrum in a competitively neutral manner consistent with all relevant industry standards regardless of whether the service is provided by a CLEC or by SBC-12STATE, as well as competitively neutral as between different xDSL services. Where disputes arise, SBC-12STATE and CLEC will put forth a good faith effort to resolve such disputes in a timely manner. As a part of the dispute resolution process, SBC-12STATE will, upon request from a CLEC, disclose within 3-5 business days information with respect to the number of loops using advanced services technology within the binder group and the type of technology deployed on those loops so that the involved parties may examine the deployment of services within the affected loop plant.

- 9.3 In the event that the FCC or the industry establishes long-term standards and practices and policies relating to spectrum compatibility and spectrum management that differ from those established in this Appendix, SBC-12STATE and CLEC agree to comply with the FCC and/or industry standards, practices and policies and will establish a mutually agreeable transition plan and timeframe for achieving and implementing such industry standards, practices and policies.
- 9.4 Within thirty (30) days after general availability of equipment conforming to applicable industry standards or the mutually agreed upon standards developed by the industry in conjunction with the Commission or FCC, then SBC-12STATE and/or CLEC must begin the process of bringing its deployed xDSL technologies and equipment into compliance with such standards at its own expense.

## 10. RESERVATION OF RIGHTS

- 10.1 The Parties acknowledge and agree that the provision of these DSL-Capable Loops and 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). If 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 stays, modifies, or otherwise affects any of the rates, terms and conditions herein, specifically including those arising with respect to Federal Communications Commission orders (whether from the Memorandum Opinion and Order, and Notice of Proposed Rulemaking, FCC 98-188 (rel. August 7, 1998), in CC Docket No. 98-147, the FCC's First Report and Order and Further Notice of Proposed Rulemaking, FCC 99-48 (rel. March 31, 1999), in CC Docket 98-147, the FCC's Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-96 (FCC 99-238), including the FCC's Supplemental Order issued *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, in CC Docket 96-98 (FCC 99-370) (rel. November 24, 1999) ("the UNE Remand Order"), or the FCC's 99-355 Third Report and Order in CC Docket No. 98-147 and Fourth Report and Order in CC Docket No. 96-98 (rel. December 9, 1999), or any other proceeding, the Parties shall negotiate in good faith to arrive at an agreement on conforming modifications to this Appendix. In the event that the FCC, a state regulatory agency or a court of competent jurisdiction, in any proceeding, 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 interpretation of the actions required or the provisions affected shall be handled under the Dispute Resolution procedures set forth in this Agreement.

**11. APPLICABILITY OF OTHER RATES, TERMS AND CONDITIONS**

- 11.1 Every interconnection, service and network element provided hereunder, shall be subject to all rates, terms and conditions contained in this Agreement which are legitimately related to such interconnection, service or network element. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to be legitimately related to, and to be applicable to, each interconnection, service and network element provided hereunder: definitions, interpretation, construction and severability; notice of changes; general responsibilities of the Parties; effective date, term and termination; fraud; deposits; billing and payment of charges; non-payment and procedures for disconnection; dispute resolution; audits; disclaimer of representations and warranties; limitation of liability; indemnification; remedies; intellectual property; publicity and use of trademarks or service marks; no license; confidentiality; intervening law; governing law; regulatory approval; changes in End User local exchange service provider selection; compliance and certification; law enforcement; no third party beneficiaries; disclaimer of agency; relationship of the Parties/independent contractor; subcontracting; assignment; responsibility for environmental contamination; force majeure; taxes; non-waiver; network maintenance and management; signaling; transmission of traffic to third parties; customer inquiries; expenses; conflicts of interest; survival; scope of agreement; amendments and modifications; and entire agreement.