

**AMENDMENT TO  
INTERCONNECTION AGREEMENT  
BY AND BETWEEN  
ILLINOIS BELL TELEPHONE COMPANY d/b/a AT&T ILLINOIS  
AND  
COVAD COMMUNICATIONS COMPANY**

The Interconnection Agreement ("the Agreement") by and between Illinois Bell Telephone Company d/b/a AT&T Illinois ("AT&T Illinois") and Covad Communications Company ("CLEC") is hereby amended as follows:

(1) The Parties agree to amend the underlying Agreement by adding Attachment Yellow Zone Ordering Process (YZP) in its entirety as provided for in Exhibit 1 attached hereto and incorporated herein by this reference.

(2) The Parties agree to amend the underlying Agreement by deleting Schedule 9.2.2: XDSL and High Frequency Portion of the Loop in its entirety and replace with Exhibit 2 attached hereto and incorporated herein by this reference.

(3) The Parties agree to amend the underlying Agreement by adding Appendix Coordinated Hot Cuts in its entirety as provided for in Exhibit 3 attached hereto and incorporated herein by this reference.

(4) The Parties agree to amend the underlying Agreement by adding rates for Line Station Transfer (LST), DSL Conditioning Options and Removal of All Bridge Tap (RABT) Modified Maintenance Process (MMP) provided for in Exhibit 4 attached hereto and incorporated herein by this reference.

(5) This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.

(6) EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

(7) In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

(8) This Amendment shall be filed with and is subject to approval by the Illinois Commerce Commission and shall become effective ten (10) days following approval by such Commission.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in duplicate on this 1<sup>st</sup> day of July, 2010, by Illinois Bell Telephone Company d/b/a AT&T Illinois, signing by and through its duly authorized representative, and CLEC, signing by and through its duly authorized representative.

**Covad Communications Company**

By: [Signature]  
Printed: Jeff Bailey  
Title: CFO  
(Print or Type)  
Date: 6/28/10

**Illinois Bell Telephone Company d/b/a AT&T Illinois by AT&T Operations, Inc., its authorized agent**

By: [Signature]  
Printed: Eddie A. Reed, Jr.  
Title: Director-Interconnection Agreements  
Date: 7-1-10

CLEC OCN # 4681

ACNA OVC

## ATTACHMENT YELLOW ZONE ORDERING PROCESS (YZP)

### 1. INTRODUCTION

- 1.1 This Attachment YZP sets forth terms and conditions for the Yellow Zone Process ("YZP"), an ordering process which, at CLEC's option, applies to xDSL Loops with an Actual Loop Length of 17,500 feet or less, as provided in more detail below. YZP is not available for facilities that are provisioned via a Remote Terminal (RT) in conjunction with AT&T ILLINOIS' hybrid copper/fiber architecture (e.g., AT&T's Broadband Service offering(s) or any successor offering(s).
- 1.2 Intentionally Omitted.
- 1.3 CLEC may use AT&T ILLINOIS' Removal of All and Non-Excessive Bridged Tap ("RABT") set forth in the Commercial Agreement in conjunction with the Yellow Zone Process ("YZP").
- 1.4 AT&T ILLINOIS shall provide CLEC with access to the YZP ordering process on a non-discriminatory basis and at parity with the YZP ordering process it provides to itself, or any of its affiliates in Illinois providing advanced services and other CLECs.

### 2. DEFINITIONS

In addition to the definitions in Appendix xDSL, Line Sharing, and Definitions, the following definitions shall apply to this Attachment YZP.

- 2.1 "Non-excessive bridged tap" as used herein shall refer to bridged taps less than 2,500 feet in total length.
- 2.2 "Sync Test" as used herein shall refer to the procedures used by CLEC, when CLEC's provided test equipment, verifies there is communication, or "sync", from CLEC's collocated DSLAM to the last cable pair leaving the AT&T ILLINOIS Central Office to the End-User premises.

### 3. YZP OFFERING

- 3.1 Provisioning Process:
  - 3.1.1 CLEC will provide AT&T ILLINOIS with the type of technology it seeks to deploy at the time of ordering, including the PSD of the xDSL technology CLEC intends to deploy. If the technology does not fall within an existing PSD mask, then the YZP process set forth in this Attachment shall not apply.
  - 3.1.2 CLEC will order eligible xDSL Loops, using the Loop Specification Code (SPEC code) or Loop Modification Type (LMT) designated for the YZP process.
  - 3.1.3 CLEC may choose to do a mechanized loop qualification prior to placing an initial order via the YZP process, but no manual loop qualification requests shall be submitted when CLEC is utilizing the YZP process.
  - 3.1.4 AT&T ILLINOIS shall provision orders submitted using the YZP process within five (5) business days for xDSL Loops.

## 3.2 Maintenance Process

3.2.1 The initial YZP service order must have completed and closed prior to the opening of a YZP trouble ticket as a result of CLEC experiencing a situation in which its DSLAM will not communicate with the end user customer premises. In such event, CLEC shall choose one of the two options set forth below:

### 3.2.1.1 OPTION 1: Trouble Ticket

3.2.1.1.1 CLEC may generate a trouble ticket with AT&T ILLINOIS' Local Operations Center (LOC) identifying the reason why CLEC is experiencing a situation in which its DSLAM will not communicate with the end user customer premises based on maintenance assurance procedures set forth elsewhere in this Agreement, and subject to the terms and conditions set forth herein. Based on CLEC's own testing, the YZP trouble ticket may be conditioning related. The AT&T ILLINOIS LOC will analyze CLEC provided test results and try to determine why CLEC's DSLAM is not communicating with the end user customer premises and will attempt to resolve the trouble by addressing any non-conditioning related reason (to the extent one exists) on AT&T ILLINOIS' side of the network, and/or by conditioning the facility as needed. On YZP-related trouble tickets, AT&T ILLINOIS will offer a five (5) business day interval from the time CLEC submits the trouble ticket.

3.2.1.1.2 AT&T ILLINOIS' LOC may elect to perform Line Station Transfers ("LSTs") in lieu of conditioning when conditioning is not available. The rates for LSTs are set forth in Appendix Pricing of this Agreement.

3.2.1.1.3 On loops with Actual Loop Lengths between 12,000 and 17,500 feet, if the xDSL Loop has been ordered using the YZP process, AT&T ILLINOIS will use that YZP designation and CLEC's opening of a trouble ticket as authorization from CLEC for AT&T ILLINOIS to perform the requested conditioning on the xDSL Loop including whatever work AT&T ILLINOIS believes is necessary to make the loop work utilizing applicable industry standards, including ANSI T1.417. No separate, loop specific authorization to condition a loop will be required by AT&T ILLINOIS from CLEC, after the initial YZP trouble ticket is opened. CLEC will then be billed and shall pay the applicable conditioning charges pursuant to the rates, terms and conditions set forth elsewhere in this Agreement.

### 3.2.1.2 OPTION 2: Disconnect

3.2.1.2.1 CLEC may cancel an order by issuing an LSR requesting a disconnect prior to submitting any trouble ticket (i.e., when CLEC is utilizing the YZP process and wishes to avail itself of this Option 2, CLEC shall request a disconnect at the time it determines its DSLAM will not communicate with the end user customer premises on a completed service order). In the event that CLEC submits an Option 1 trouble ticket but subsequently decides to request an Option 2 disconnect, CLEC shall pay applicable charges for work actually performed by AT&T ILLINOIS, (including without limitation, the loop conditioning charges set forth elsewhere in this Agreement to the extent

that AT&T ILLINOIS has performed any preparatory work for the loop conditioning and/or has performed any loop conditioning work in response to CLEC's trouble ticket) prior to the issuance of the disconnect order.

3.3 Maintenance /Service Assurance

3.3.1 AT&T ILLINOIS will provide resolution of LEC-referred YZP trouble tickets for xDSL Loops in parity with the repair intervals AT&T ILLINOIS provides to itself, any of its affiliates in Texas providing advanced services affiliates and other CLECs.

3.3.2 Prior to opening a YZP trouble ticket, CLEC shall verify the DSLAM is built properly, check the logical translations, perform a loop back test from its DSLAM, ensure proper routing, profile, and modem settings and shall confirm that the problem is not CLEC-related.

3.3.3 CLEC shall pay Maintenance of Service charges on a time and material basis, in 30-minute increments, associated with any YZP-related trouble ticket dispatch pursuant to the FCC tariffed rates set forth in Section 5 below, if:

3.3.3.1 the YZP trouble ticket is opened, and it is later determined by AT&T ILLINOIS to be a 'No Trouble Found' (NTF) in AT&T ILLINOIS' portion of the network; or

3.3.3.2 the loop specific inhibitor information provided by CLEC to AT&T ILLINOIS requires a dispatch by AT&T ILLINOIS but is found to be incorrect upon subsequent investigation by AT&T ILLINOIS during the trouble ticket resolution process; or

3.3.3.3 a retrip is involved with a YZP trouble ticket (when CLEC notifies AT&T ILLINOIS that the loop is not working properly after initial trouble resolution), and there is NTF by AT&T ILLINOIS in AT&T ILLINOIS' portion of the network; or

3.3.3.4 the need for a vendor meet is agreed upon by AT&T ILLINOIS and the CLEC technician is not equipped properly at the vendor meet site or CLEC's Technician is not at the site at the scheduled time or within ten (10) minutes thereafter.

3.3.3.5 AT&T ILLINOIS shall pay Time and Material Charges (maintenance of service charges/additional labor charges) when, in the course of resolving a YZP trouble ticket, AT&T ILLINOIS requires CLEC to dispatch personnel to the end user customer's premises or a Central Office and the trouble was not caused by CLEC's facilities or equipment. Such Time and Material Charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing. Rates of Time and Material charges will be billed at amounts equal to those contained in Appendix Pricing.

3.4 CLEC can open a YZP-related Trouble Ticket by one of the following methods:

3.4.1 Via Live Call: CLEC can call AT&T ILLINOIS' LOC and open a manual ticket through the call center and in such case, shall identify that the original order was YZP related and whether the trouble ticket is a conditioning related trouble ticket or not; or

- 3.4.2 Via an Electronic Bonding Ticket: CLEC can open an electronic bonding ticket and in opening such a ticket, shall note in the 'Remarks' field that the ticket is an YZP-related trouble ticket.
- 3.5 Trouble Tickets where CLEC Identifies Possible Conditioning-Related Trouble:
- 3.5.1 In those instances where CLEC's test results indicate (which, in accordance with Section 4.5 below, should include the quantity and location of the number of load coils, repeaters and excessive bridged tap), that the cause of a trouble ticket may be conditioning related, irrespective of whether CLEC submits its YZP trouble ticket to AT&T ILLINOIS via live call or an electronic bonding ticket, then CLEC shall note on its trouble ticket that the cause of the trouble is possibly conditioning related. The identification by the CLEC of a possible conditioning-related trouble on its trouble ticket will allow the AT&T ILLINOIS LOC or to convert it to a YZP conditioning type ticket immediately after checking for potential non-conditioning causes of physical fault on the xDSL Loop and for AT&T ILLINOIS to perform loop conditioning which may be needed to resolve the reported trouble. Ticket conversions to YZP type may include opening a new ticket if AT&T ILLINOIS physical faults were found and cleared on the original trouble report, and CLEC testing indicates conditioning is still required.
- 3.5.2 Loops less than 12,000 feet in Actual Loop Length: Irrespective of whether the trouble ticket is opened via live call or an electronic bonding ticket, if CLEC opens the trouble ticket as a possible conditioning related trouble ticket associated with an xDSL Loop that was ordered via the YZP process with an Actual Loop Length less than 12,000 feet, AT&T ILLINOIS will contact and provide CLEC with status after any necessary loop conditioning has been performed by AT&T ILLINOIS. AT&T ILLINOIS shall not charge CLEC for conditioning loops with an actual loop length of less than 12,000 feet.
- 3.5.3 Conditioning. If CLEC issues a YZP trouble ticket for an xDSL Loop between 12,000 and 17,500 feet, AT&T ILLINOIS will use that YZP designation and the initiation of the trouble ticket by CLEC as authorization to perform any Loop conditioning for that Loop. CLEC will then be billed and shall pay the applicable conditioning charges pursuant to the rates, terms and conditions set forth in Appendix Pricing of this Agreement.
- 3.5.4 If CLEC requests removal of all or non-excessive bridged taps, such request shall be made pursuant to the terms and conditions of the Removal of All or Non-Excessive Bridged Tap as set forth in the Commercial Agreement.
- 3.5.5 If CLEC requests that AT&T ILLINOIS perform any Loop Conditioning beyond that which is covered under this Attachment or elsewhere in the Agreement, the Parties shall meet to negotiate rates, terms and conditions for any such Conditioning. If there are any disputes between the parties as to the provisions for any additional type(s) of Conditioning after negotiations, then any outstanding disputes will be resolved in accordance with the Dispute Resolution Procedures set forth elsewhere in this Agreement.
- 3.6 Trouble Tickets where CLEC Does Not Identify Conditioning as a Possible Source of the Trouble:
- 3.6.1 If CLEC opens a YZP trouble ticket that does not identify conditioning as the source of the trouble, the AT&T ILLINOIS LOC will handle the ticket pursuant to the method applicable to other repair tickets and will look for physical faults. If no fault is found, the LOC will contact CLEC so that CLEC can conduct its own Sync test. If CLEC's DSLAM does not communicate with the end user customer premises, CLEC shall

open another trouble ticket to address any conditioning that CLEC believes may be required on the xDSL Loop subject to the provisions set forth herein.

- 3.6.2 If CLEC opens a YZP trouble ticket that does not identify conditioning on the xDSL Loop as the source of the trouble's but AT&T ILLINOIS later determines that there is a conditioning-related problem, AT&T ILLINOIS shall convert the ticket to a YZP conditioning ticket and the process set forth in Section 3.5 above shall apply, depending upon the actual loop length. A five (5) business day interval will apply to complete the conditioning on the loop, which shall begin the day after it is determined to be a conditioning related problem by AT&T ILLINOIS.
- 3.7 If a physical fault is found and resolved in response to the initial YZP trouble ticket, the trouble ticket will be closed and CLEC notified, unless the ticket was initially classified as a conditioning related YZP ticket.
- 3.8 Trouble ticket status will be provided to CLEC by AT&T ILLINOIS as follows:
  - 3.8.1 Trouble Tickets Opened via Live Call: If the YZP trouble ticket is opened with a live call (as provided for in Section 3.4.1 above) by CLEC to AT&T ILLINOIS. AT&T Texas will not provide ticket status until the trouble has been resolved.
  - 3.8.2 Trouble Tickets Opened Via an Electronic Bonding Ticket: If the YZP trouble ticket is opened via an electronic bonding ticket (as provided for in Section 3.4.2 above) where CLEC's DSLAM does not communicate with the end user customer premises, an electronic status/acknowledgement will be provided by AT&T ILLINOIS to CLEC within eight (8) business hours from receipt of the trouble ticket. If AT&T ILLINOIS determines that the trouble is conditioning related, AT&T ILLINOIS shall convert the straight xDSL Loop YZP trouble ticket to a YZP conditioning-related trouble ticket.
  - 3.8.3 In all cases, the AT&T ILLINOIS LOC will notify CLEC as soon as the trouble is isolated, resolved and closed, whether conditioning has been performed or not.
- 3.9 Post Trouble Resolution Sync Testing By CLEC:
  - 3.9.1 After CLEC is notified that the trouble has been resolved, with or without loop conditioning, CLEC shall repeat its Sync Test between its DSLAM and the end user customer premises. If the Loop does not sync, due to undetermined reasons, a second trouble ticket shall be opened by CLEC which will be governed by the same provisions set forth above.
- 3.10 When CLEC escalates a YZP trouble ticket, the Parties shall follow existing repair escalation procedures set forth elsewhere in this Agreement and to the extent not outlined in this Agreement, the standard escalation processes outlined on AT&T ILLINOIS' CLEC online website shall apply.

#### **4. TESTING**

- 4.1 CLEC may not request, and AT&T ILLINOIS will not perform, Acceptance Testing in association with any xDSL Loops which are ordered by CLEC via the YZP process.
- 4.2 For xDSL Loops only, CLEC has the option of requesting Cooperative Testing pursuant to the rates, terms and conditions set forth in Appendix xDSL of this Agreement, at the time it opens the YZP trouble ticket.
- 4.3 CLEC shall assist in trouble isolation on trouble tickets for the YZP by obtaining and providing to AT&T ILLINOIS disturber information on the Loop at the time of opening the trouble ticket. For best results, CLEC is encouraged to provide its field technician with appropriate test sets that can detect and detail the presence of the following: the number and

location of load coil(s), repeater(s) and of sections of bridged tap (including the lengths of such section(s)).

- 4.4 AT&T ILLINOIS will not specify to CLEC the type of test equipment or the specific tests to use for determining the presence of inhibitors. CLEC will determine its own test requirements and capabilities.

**5. PRICING**

- 5.1 CLEC shall pay Maintenance of Service charges on a time and material basis, in 30-minute increments, associated with any YZP-related trouble ticket dispatch pursuant to Section 13.2.6 of the FCC No. 2 tariff; provided, however, the referenced tariff rates shall be deemed to be automatically revised and updated in the event that the referenced tariffed rates are modified during the term of this Agreement.

**6. INTENTIONALLY OMITTED**

# APPENDIX XDSL

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## 1. INTRODUCTION

- 1.1 This Appendix xDSL sets forth the terms and conditions that AT&T ILLINOIS will offer xDSL Loops and xDSL Subloops to CLEC in accordance with the FCC's Triennial Review Order and effective implementing rules, for CLEC to use in conjunction with its desired xDSL technologies and equipment to provision xDSL services to its end user customers. The associated rates are set forth in Appendix Pricing of this Agreement.
- 1.2 Nothing in this Appendix xDSL shall constitute a waiver by either Party of any positions it may have taken or will take in any pending regulatory or judicial proceeding or any subsequent interconnection agreement negotiations. This Appendix xDSL also shall not constitute a concession or admission by either Party and shall not foreclose either Party from taking any position in the future in any forum addressing any of the matters set forth herein.
- 1.3 The recognized standards shall include but not be limited to American National Standards Institute (ANSI) standards and those developed within the International Telecommunications Union (ITU).
- 1.4 AT&T ILLINOIS shall provide CLEC with the UNEs and reporting associated with UNEs, described in this Appendix xDSL in compliance with the performance standards set forth in Appendix Performance Measures of this Agreement and those set forth in CC Docket No. 96-98, *Third Report and Order and Fourth Further Notice of Proposed Rulemaking*, FCC 99-238, (released November 5, 1999), Plan of Record for Pre-Ordering and Ordering of xDSL and other Advanced Services (Plan of Record or POR), the Uniform and Enhanced OSS POR (OSS POR) and any specific state commission or FCC rule, order, or mandated industry standard proceeding.

## 2. DEFINITIONS

- 2.1 "Actual Loop Length" for purposes of this Appendix refers to the total physical length of a copper loop as between the AT&T ILLINOIS Main Distribution Frame (MDF) and the terminal location serving the end-user customer, reported at parity with AT&T's advanced services affiliate and other CLECs. Any additional length attributed to central office wiring, drop wiring, bridge tap, and inside wiring ("wiring") at the end-user customer's, location is not included in the calculation of Actual Loop Length.
- 2.2 "Conditioning" as used herein shall refer to the removal by AT&T ILLINOIS of load coils, Excessive Bridged Tap, and/or repeaters on an xDSL Loop or Subloop.
- 2.3 "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) or its equivalent, which may include the Intermediate Distribution Frame (IDF).
- 2.4 "Excessive Bridged Tap" as used herein shall refer to bridged tap in excess of 2,500 feet in total length.
- 2.5 Intentionally Omitted.
- 2.6 "Non-standard xDSL-based Technology" is a loop technology that is not Presumed Acceptable for Deployment. Deployment of Non-standard xDSL-based Technologies are allowed as provided in this Appendix xDSL.

- 2.7 "Plan of Record" as used herein refers to AT&T ILLINOIS' December 7, 1999 filing with the FCC, including any subsequent modifications or additions.
- 2.8 "Presumed Acceptable for Deployment" as used herein means an xDSL technology that complies with existing industry standards, has been successfully deployed by any 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 standard body. Loop technologies Presumed Acceptable for Deployment include, but are not limited to those referenced in Exhibit A.
- 2.9 "Proof of Continuity" performed during Acceptance Testing 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. The loop will be tested to meet basic metallic loop parameters, pair balance, and electrical characteristics such as electrical conductivity and capacitive and resistive balance. This test will be referred to as "Proof of Continuity" or "Continuity Test."
- 2.10 "xDSL Loop" means a Local Loop transmission facility between a distribution frame (or its equivalent) in AT&T ILLINOIS' Central Office and the loop demarcation point at an end user customer premise. "xDSL Loop" includes two-wire and four-wire copper loops conditioned to transmit the digital signals needed to provide DSL services, regardless of whether the copper loops are in service or held as spares. The 'x' in xDSL is a placeholder for the various types of DSL services, including, but not limited to ADSL (Asymmetric Digital Subscriber Line), HDSL (High-bit rate Digital Subscriber Line), HDSL2 (high bit rate digital subscriber line 2-wire), IDSL (ISDN Digital Subscriber Line), SDSL (Symmetrical Digital Subscriber Line), UDSL (Universal Digital Subscriber Line), VDSL (Very High-Speed Digital Subscriber Line), RADSL (Rate-Adaptive Digital Subscriber Line), MVL (multiple virtual lines), and G.Lite.
- 2.11 "xDSL Subloop" is defined as any distribution portion of a copper xDSL Loop that is comprised entirely of copper wire or copper cable, that acts as a transmission facility between any distribution point of technically feasible access in AT&T ILLINOIS' outside plant and the demarcation point at an end user customer's premises, as more specifically addressed in the subloop provisions set forth elsewhere in this Agreement and subject to the collocation provisions applicable to this Agreement. A technically feasible point of access for purposes of an xDSL subloop is a point in the distribution portion of an xDSL Loop where an AT&T ILLINOIS technician can access the copper at a terminal in AT&T ILLINOIS' outside plant.

### **3. GENERAL TERMS AND CONDITIONS RELATING TO XDSL LOOPS**

- 3.1 AT&T ILLINOIS agrees to provide xDSL Loops and Subloops for CLEC to deploy xDSL technologies Presumed Acceptable for Deployment or Non-standard xDSL Technology as defined in this Appendix xDSL. AT&T ILLINOIS will provision xDSL Loops and Subloops on a non-discriminatory basis and at a level at least equal in performance and quality with what it provides to itself, or to any of its affiliates in Illinois providing advanced services. AT&T ILLINOIS will not impose limitations on the transmission speeds of xDSL services; provided, however, AT&T ILLINOIS does not guarantee transmission speeds, available bandwidth nor imply any service level.
- 3.2 CLEC's use of any AT&T ILLINOIS network element, or of its own equipment or facilities in conjunction with any AT&T ILLINOIS network element, will not materially interfere with

or impair service over any facilities of AT&T ILLINOIS, or any of its affiliates in Illinois providing advanced services or connecting carriers involved in AT&T ILLINOIS services, cause damage to AT&T ILLINOIS' plant, impair the privacy of any communications carried over AT&T ILLINOIS' facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, AT&T ILLINOIS 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. AT&T ILLINOIS will not disconnect the elements causing the violation if, after receipt of written notice and opportunity to cure, CLEC demonstrates that its use of the network element is not the cause of the network harm. If AT&T ILLINOIS does not believe 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 as described in the General Terms and Conditions of this Agreement. Any claims of network harm by AT&T ILLINOIS must be supported with specific and verifiable supporting information.

- 3.3 AT&T ILLINOIS shall not impose its own standards for provisioning xDSL services, through Technical Publications or otherwise, until and unless approved by the Commission or the FCC prior to use. However, AT&T ILLINOIS will publish non-binding Technical Publications to communicate current standards and their application where required by Applicable Law.
- 3.4 Intentionally Omitted
- 3.5 The provision of xDSL services is subject to a variety of technical constraints, including loop length and the current design of the loop, which must be free of Excessive Bridged Taps, and loading coils. In addition, clear spectral compatibility standards and spectrum management rules and practices are necessary to ensure the quality, integrity, and reliability of AT&T ILLINOIS' network and its existing services.
- 3.6 To ensure spectral compatibility, industry standards bodies such as American National Standards Institute (ANSI) have developed or are in the process of developing Power Spectrum Density (PSD) mask standards to enable multiple technologies to coexist within binder groups. The Parties shall abide by the FCC and/or T1E1.4 spectral management rules and guidelines pertinent for the designated PSD mask type at all times.

#### **4. xDSL LOOP OFFERINGS**

- 4.1 xDSL Loops should be provisioned to meet basic electrical standards such as metallic conductivity and capacitive and resistance balance. Use of shielded cross connect cable for ADSL will be at the option of CLEC.
- 4.2 For each xDSL Loop described below, CLEC will at the time of ordering, notify AT&T ILLINOIS as to the Power Spectrum Density (PSD) mask of the technology that CLEC will deploy. If and when a change in PSD mask is made, CLEC will immediately notify AT&T ILLINOIS. Likewise, AT&T ILLINOIS will disclose to CLEC, upon request, information with respect to the number of xDSL Loops using advanced service technology within the binder and the type of technology employed on those loops. AT&T ILLINOIS will use the PSD provided by CLEC 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 AT&T ILLINOIS with a technical description of the technology including power masks for inventory purposes.
- 4.3 2-Wire xDSL Loop: A 2-wire xDSL Loop for purposes of this Appendix shall be defined as a copper loop over which 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 based upon industry standards, should not include load coils, mid-span repeaters or Excessive Bridged Tap. However, Conditioning on loops that are 12,000 feet in Actual Length or greater is optional, subject to Conditioning charges, and will be performed by AT&T ILLINOIS at CLEC's request as more specifically provided herein below. The rates set forth in the Appendix Pricing shall apply to this 2-Wire xDSL Loop.

- 4.4 A 2-Wire Digital Loop for purposes of this section is 160Kbps and supports Basic Rate ISDN (BRI) digital exchange services. The terms and conditions for the 2-Wire Digital Loop are set forth in the Appendix UNE and the rates in the Appendix Pricing.
- 4.5 4-Wire xDSL Loop: A 4-wire xDSL Loop for purposes of this Appendix shall be defined as a copper loop over which 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 based upon industry standards, should not include load coils, mid-span repeaters or Excessive Bridged Tap. However, Conditioning on loops that are 12,000 feet in Actual Loop Length or greater is optional, subject to Conditioning charges, and will be performed by AT&T ILLINOIS at CLEC's request as more specifically provided herein below. The rates set forth in the Appendix Pricing shall apply to this 4-Wire xDSL Loop.
- 4.6 IDSL Loop: An IDSL Loop for purposes of this Section is a 2-Wire Digital loop transmission facility which supports IDSL-based services. The terms and conditions for the 2-Wire Digital Loop are set forth in the Attachment UNE to this Agreement. 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. AT&T ILLINOIS has advised CLEC, through the Accessible Letter or alternate process, which AT&T ILLINOIS central offices are IDSL-capable. The rates set forth in the Pricing Schedule shall apply to this IDSL Loop. CLEC may order 2-Wire Digital ISDN Loops if available elsewhere in this Agreement.
- 4.7 xDSL Subloop: An xDSL Subloop for purposes of this Appendix is the distribution portion of an xDSL Loop, that is comprised entirely of copper wire or copper cable, that acts as a transmission facility between any distribution point of technically feasible access in AT&T ILLINOIS outside plant and the demarcation point at an end user customer premises, as more specifically defined above, over which CLEC may provision DSL technologies. An xDSL Subloop will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and based upon industry standards, should not include load coil(s), mid-span repeater(s) or Excessive Bridged Tap(s). However, Conditioning on an existing xDSL Subloop is optional and will be performed by AT&T ILLINOIS at CLEC's request as more specifically provided herein below. The rates set forth in the Appendix Pricing shall apply to this xDSL Subloop.
- 4.7.1 The subloop and collocation provisions set forth elsewhere in this Agreement (e.g., the Appendix UNE and Appendix Collocation) will also apply to the xDSL Subloop. If there is any conflict between the provisions set forth in this Appendix as to the xDSL Subloop and the provisions set forth elsewhere in this Agreement specific to subloops, the subloop-specific language set forth elsewhere in this Agreement (e.g., the Appendix UNE), shall control.

## **5. LOOP TECHNOLOGY PRESUMED ACCEPTABLE FOR DEPLOYMENT**

AT&T ILLINOIS shall not deny CLEC'S request to deploy any DSL technology that is Presumed Acceptable for Deployment by CLEC, unless it has been demonstrated by AT&T ILLINOIS to the Commission in accordance with FCC orders that CLEC's deployment of the specific DSL technology will significantly degrade the performance of other advanced services or traditional voice band services. For the purpose of this section, "significantly degrade" means to noticeably impair a service from a user's perspective as caused by technology. In the event that CLEC wishes to introduce a new 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, CLEC shall provide documentation that demonstrates that its proposed deployment meets the threshold for presumption of acceptability. 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. In the event that CLEC wishes to introduce a technology that has been approved by another state commission or the FCC, or successfully deployed elsewhere, CLEC will provide documentation describing that action to AT&T ILLINOIS and the Commission before or at the time of its request to deploy such technology within AT&T ILLINOIS. 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. In the event that AT&T ILLINOIS rejects a request by CLEC for provisioning of advanced services, AT&T ILLINOIS will disclose to CLEC information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops, including the specific reason for the denial, within three to five (3-5) days of the denial.

5.1 If an xDSL Loop technology is successfully deployed without significant degradation for twelve (12) months, or industry standards for the technology are established, whichever occurs first, the Parties will consider the technology to be Presumed Acceptable for Deployment and treated accordingly. If there is dispute as to the successful deployment of the technology, either Party may submit the dispute for resolution under the Dispute Resolution procedures set forth in this Agreement.

5.1.1 Intentionally Omitted.

5.1.2 If 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, AT&T ILLINOIS will not deny CLEC's right to deploy new xDSL loop technologies that do not conform to the industry 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 or traditional voice band services). AT&T will provide CLEC any existing copper loop type that CLEC chooses to order.

5.2 If it is demonstrated that the new xDSL technology will not significantly degrade the network, AT&T ILLINOIS will provide an existing copper loop to support the new technology for CLEC as follows:

5.2.1 If the technology requires the use of a 2-Wire or 4-Wire xDSL Loop that meets the engineering design criteria of a 2-Wire or 4-Wire xDSL Loop already provisioned by AT&T ILLINOIS, then AT&T ILLINOIS will provide CLEC an xDSL Loop capable of supporting the new xDSL technology at the same rates listed for the appropriate 2-Wire and 4-Wire xDSL Loops and associated Loop Conditioning as needed.

- 5.2.2 In the event that an xDSL technology requires a loop type that differs from the engineering design criteria of a 2-Wire or 4-Wire xDSL Loop already provisioned by AT&T ILLINOIS, Covad may submit the request for a new loop according to the terms and conditions of the BFR process. 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.
- 5.3 If a Party claims that a service is significantly degrading the performance of other advanced services or traditional voice band services, then that Party must notify the other Party and allow the other Party 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 a Party demonstrates to the Commission that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, the other Party shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services.

## **6. PROVISIONING**

- 6.1 AT&T ILLINOIS will not guarantee that the xDSL loop(s) ordered will perform as desired by CLEC for xDSL-based services, but will guarantee, at the time of installation, basic metallic loop parameters, including continuity and pair balance. CLEC requested testing by AT&T ILLINOIS beyond these parameters would be billed on a time and materials basis at the rates referenced in FCC Tariff No. 2, Section 13.3.4 (c)(1)(a). For loops under 12,000 feet in Actual Loop Length, AT&T ILLINOIS will remove load coils, repeaters, and/or Excessive Bridged Taps at no charge to CLEC. Provisioning shall include Conditioning for xDSL loops less than 12,000 feet in Actual Loop Length and any Conditioning requested by CLEC for loops 12,000 feet in Actual Loop Length or greater.
- 6.2 AT&T ILLINOIS shall provide Acceptance and Cooperative Testing as outlined in Section 9 of this Appendix xDSL.
- 6.3 CLEC shall designate, at CLEC's sole option, what Conditioning AT&T ILLINOIS is to perform in provisioning the xDSL loop(s) and subloop(s) on the loop order. Conditioning may be ordered on loop(s) and subloop(s) of any length at the Conditioning rates set forth in the Appendix Pricing. The loop and subloop will be provisioned to meet the basic metallic and electrical characteristics such as electrical conductivity and capacitance and resistive balance. 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.
- 6.4 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 Loop) on orders for 1-20 loops per order or per end user customer location, will be three to five (3-5) business days, or the provisioning and installation interval applicable to AT&T ILLINOIS' tariffed xDSL-based services, or any of its affiliates in Illinois providing advanced services, whichever is shorter.
- 6.5 The provisioning and installation intervals for xDSL 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 (i) AT&T ILLINOIS' tariffed xDSL-

based services or; (ii) any of its affiliates in ILLINOIS providing advanced services xDSL-based services where Conditioning is required, whichever is shorter. In the event CLEC's end user customer require Conditioning during non-working hours, the due date may be adjusted consistent with end user customer release of circuit and out-of-hours charges may apply at the rates referenced in FCC Tariff No. 2, Section 13.3.4 (c)(1)(a).

- 6.6 Orders for more than 20 xDSL Loops per order or per end user customer location, where no Conditioning is requested will have a provisioning and installation interval of ten (10) business days, or as agreed upon by the Parties. In the event CLEC's end user customer require Conditioning during non-working hours, the due date may be adjusted consistent with end user customer release of circuit and out-of-hours charges may apply at the rates referenced in Section 9.4.2 below.
- 6.7 Orders for more than 20 xDSL Loops per order which require Conditioning will have a provisioning and installation interval agreed by the Parties in each instance.
- 6.8 Subsequent to the initial order for an xDSL Loop or xDSL 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 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.
- 6.9 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 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. MAINTENANCE**

- 7.1 Maintenance, other than assuring loop continuity and balance, on unconditioned or partially conditioned loops that are 12,000 feet in Actual Loop Length or greater will only be provided on a time and material basis at the rates referenced in FCC Tariff No. 2, Section 13.3.4 (c)(1)(a). On xDSL Loops where CLEC has requested that no Conditioning be performed, AT&T ILLINOIS' maintenance will be limited to verifying loop suitability based on POTS design criteria. For xDSL Loops having had partial or extensive Conditioning performed at CLEC's request, AT&T ILLINOIS 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 xDSL Loops under 12,000 feet in Actual Loop Length, AT&T ILLINOIS will remove load coils, repeaters, and Excessive Bridged Taps at no charge to CLEC.
- 7.2 AT&T ILLINOIS shall provide, on a nondiscriminatory basis, physical loop test access points to CLEC through a cross-connection to CLEC's collocation space, for the purpose of testing, maintaining, and repairing copper xDSL Loops and copper xDSL Subloops.
- 7.3 AT&T ILLINOIS and CLEC agree to coordinate in good faith any testing, repair and maintenance that will significantly impact service provided by the other Party. CLEC may request cooperative testing. If trouble occurs with unbundled Network Elements provided by AT&T ILLINOIS, CLEC will first determine whether the trouble is in CLEC's own equipment and/or facilities or those of the end user customer. If CLEC determines the

trouble is in AT&T ILLINOIS' equipment and/or facilities, CLEC will issue a trouble ticket to AT&T ILLINOIS.

- 7.4 A Party shall pay Time and Material Charges (maintenance of service charges/additional labor charges) when it reports a failure of a unbundled Network Element and the other Party dispatches personnel to the end user customer's premises or a Central Office and to the extent that the trouble was not caused by the other Party's facilities or equipment. Time and Material Charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing. Rates of Time and Material charges will be billed at amounts equal to those referenced in FCC Tariff No. 2, Section 13.3.4 (c)(1)(a).
- 7.5 Intentionally Omitted.
- 7.6 Repair Intervals: AT&T ILLINOIS will provide resolution of CLEC-referred trouble tickets for xDSL Loops at parity with the interval AT&T ILLINOIS provides itself, other CLECs or any of its affiliates in Illinois providing advanced services, and pursuant to the terms and conditions set forth below.
- 7.7 Line and Station Transfer or "LST": For an xDSL Loop currently in service where trouble ticket resolution has identified that excessive bridged tap(s), load coil(s) and/or repeater(s) are on the loop and transferring to a new loop is a solution identified by AT&T ILLINOIS to resolve a CLEC-initiated xDSL Loop trouble ticket or a trouble identified by AT&T ILLINOIS, AT&T ILLINOIS, at its sole option, may perform an LST to resolve and close out the identified trouble. In the event that a request for Conditioning is received from the CLEC on an xDSL Loop currently in service and AT&T ILLINOIS determines that an LST can be performed, AT&T ILLINOIS will contact CLEC to inform that a LST will be performed in lieu of CLEC'S requested Conditioning. In such cases that AT&T ILLINOIS elects to perform an LST to resolve the identified trouble, CLEC will be billed and shall pay for such LST at the rates set forth in Appendix Pricing. If, however, the LST does not resolve the reported trouble and the trouble is determined to be an AT&T ILLINOIS network-related problem, then CLEC will not be charged the LST rate or for AT&T ILLINOIS' resolution of the trouble. If, however, the trouble is found to be a customer premises equipment ("CPE") or CLEC network or data equipment, or otherwise is found not to be an AT&T ILLINOIS network-related problem, then CLEC shall pay Maintenance of Service charges at the rates set forth in Appendix Pricing, in addition to the LST charge in the Appendix Pricing.

## **8. SPECTRUM MANAGEMENT**

- 8.1 AT&T ILLINOIS agrees that CLEC'S order for xDSL-capable Loops will not be delayed by any lack of availability of a specific binder group or "spectrum exhaust." If AT&T ILLINOIS initiates a reconfiguration of loops into a different binder group, it shall do so in a competitively neutral manner consistent with all relevant industry standards and at no cost to CLEC.
- 8.2 AT&T ILLINOIS agrees that as a part of spectrum management, it will maintain an inventory of the existing services provisioned on the cable. AT&T ILLINOIS will use commercially reasonable efforts to assign loops so as to minimize interference between and among advanced services, including xDSL-based services, and other services. AT&T ILLINOIS will not use Selective Feeder Separation (SFS). AT&T ILLINOIS has opened binder groups to all xDSL services and all xDSL providers, and will not deny any loops on the basis of binder group management designations or business rules, or limit

the deployment of xDSL services to certain pair ranges (with the exception of binder groups containing AMI T1 services). AT&T ILLINOIS may not segregate xDSL technologies into designated binder groups without specific Commission or FCC review and approval, or approved industry standard. AT&T ILLINOIS shall not deny CLEC a loop based upon spectrum management issues in the absence of review and approval from the Commission(s). In all cases, AT&T ILLINOIS will manage the spectrum in a competitively neutral manner consistent with all relevant industry standards regardless of whether the service is provided by CLEC or by AT&T ILLINOIS as well as competitively neutral as between different xDSL services. Where disputes arise, AT&T ILLINOIS and CLEC will put forth a good faith effort to resolve such disputes in a timely manner. As a part of spectrum management, AT&T ILLINOIS will maintain an inventory with respect to the number of loops using advanced services technology within a binder group and the type of technology deployed on those loops, using the PSD mask information provided by CLEC to AT&T ILLINOIS. Upon request from CLEC, AT&T ILLINOIS will disclose within 3-5 business days spectrum management 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. If there is any dispute between the Parties with respect to this Section, AT&T ILLINOIS will not deny the loop(s), but will continue to provision the loop(s) until the dispute is resolved in accordance with the dispute resolution procedures set forth in this Agreement.

- 8.3 In the event that a loop technology without industry standards for spectrum management is deployed, AT&T ILLINOIS, CLEC and the specific state commission shall jointly establish long-term competitively neutral spectral compatibility standards and spectrum management rules and practices so that all carriers know the rules for loop technology deployment. The standards, rules and practices shall be developed to maximize the deployment of new technologies within binder groups while minimizing interference, and shall be forward-looking and able to evolve over time to encourage innovation and deployment of advanced services based on the FCC, T1E1.4, and ITU spectral management rules and guidelines. These standards are to be used until such time as industry standards exist. When CLEC offers xDSL-based service consistent with mutually agreed-upon standards developed by the industry in conjunction with the specific state commission, or by the specific state commission in the absence of industry agreement, it may order local loops based on agreed-to performance characteristics. AT&T ILLINOIS will assign the local loop consistent with the agreed-to spectrum management standards.
- 8.3.1 In the event that a relevant Commission, 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, AT&T ILLINOIS and CLEC shall 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 and shall negotiate any conforming modifications which may be needed to this Appendix.
- 8.3.2 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 applicable Commission(s) or FCC, then AT&T ILLINOIS and/or CLEC, must begin the process of bringing its deployed xDSL technologies and equipment into compliance with such standards at its own expense.

## 9. ACCEPTANCE TESTING

- 9.1 Intentionally Omitted
- 9.2 Should 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.
- 9.2.1 If the LSR was placed without a request for Acceptance Testing, and 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.
- 9.3 Acceptance Testing Procedure:
- 9.3.1 Upon delivery of a loop to/for CLEC, AT&T ILLINOIS' field technician will call the LOC and the LOC tester will call a toll free number provided by CLEC so CLEC can initiate performance of a series of Acceptance Tests.
- 9.3.1.1 For IDSL or 2-wire digital loops that are not provisioned through repeaters or digital loop carriers, the AT&T ILLINOIS field technician will provide a solid short across the tip and ring of the circuit and then open the loop circuit.
- 9.3.1.2 For IDSL or 2-wire digital loops that are provisioned through repeaters or Digital Loop Carrier, the AT&T ILLINOIS field technician will not perform a short or open circuit due to technical limitations.
- 9.3.2 If the loop passes the "Proof of Continuity" parameters, as defined by this Appendix for DSL loops, CLEC will provide AT&T ILLINOIS with a confirmation number and AT&T ILLINOIS will complete the order. CLEC will be billed and shall pay for the Acceptance Test at the applicable rates as referenced in section 9.4.2 below.
- 9.3.2.1 AT&T ILLINOIS will be relieved of the obligation to perform Acceptance Testing on a particular loop and will assume acceptance of the loop by CLEC when CLEC cannot provide a "live" representative (through no answer or placement on hold) for over ten (10) minutes. AT&T ILLINOIS may then close the order utilizing existing procedures, document the time and reason, and may bill CLEC and CLEC shall pay the minimum charges as if the Acceptance Test had been completed and the loop accepted, referenced in section 9.4.2 below.
- 9.3.3 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 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, AT&T ILLINOIS will re-contact the CLEC representative to repeat the Acceptance Test. When the aforementioned test parameters are met, CLEC will provide AT&T ILLINOIS with a confirmation number and AT&T ILLINOIS will complete the order. If CLEC xDSL service does not function as desired, yet test parameters are met, AT&T

ILLINOIS will still close the order. AT&T ILLINOIS will not complete an order that fails Acceptance Testing.

9.3.4 Until such time as CLEC and AT&T ILLINOIS agree, or industry standards establish, that their test equipment can accurately and consistently send signals through repeaters or Digital Loop Carriers, CLEC agrees to accept IDSL or 2-wire digital loops, designed with such reach extenders, without testing the complete circuit. Consequently, AT&T ILLINOIS agrees that should CLEC open a trouble ticket and an AT&T ILLINOIS network fault be found by standard testing procedures on such a loop within ten (10) business days (in which it is determined by standard testing to be an AT&T ILLINOIS fault), AT&T ILLINOIS, upon CLEC request, will adjust CLEC's bill to refund the recurring charge of such a loop until the fault has been resolved and the trouble ticket is closed.

9.3.5 Intentionally Omitted.

9.3.6 If, however, a trouble ticket is opened on the loop within twenty-four (24) hours and the trouble resulted from AT&T ILLINOIS error as determined through standard testing procedures, CLEC will be credited for the cost of the Acceptance Test. Additionally, CLEC may request AT&T ILLINOIS to re-perform the Acceptance Test at the conclusion of the repair phase again at no charge.

9.3.7 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.

#### 9.4 Acceptance Testing Billing

9.4.1 CLEC will be billed for Acceptance Testing of this Appendix for xDSL Loops that are installed correctly by the committed interval without the benefit of corrective action due to Acceptance Testing.

9.4.2 CLEC shall pay Maintenance of Service charges on a time and material basis, in 30-minute increments, for the AT&T ILLINOIS technician time involved, pursuant to the applicable, regional FCC tariffed rates set forth in Sections 13.3.4 (c)(1)(a) of FCC No. 2; provided, however, the tariffed rates shall be deemed to be automatically revised and updated in the event that the referenced tariffed rates are modified during the term of this Agreement. If requested by CLEC, Overtime or Premium time charges will apply for 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.

### 10. COOPERATIVE TESTING

10.1 Intentionally Omitted.

10.2 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.

- 10.3 If the trouble ticket was opened without a request for Cooperative Testing, and 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.
- 10.4 Cooperative Testing Procedure
- 10.4.1 The AT&T ILLINOIS field technician will call the LOC and the LOC will contact CLEC for test and resolution of the trouble ticket and to verify basic metallic loop parameters including proof of continuity and pair balance.
- 10.4.2 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 and CLEC will pay for the cooperative testing as referenced in section 9.4.2 above.
- 10.4.3 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 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 CLEC for another cooperative testing.
- 10.4.4 AT&T ILLINOIS will be relieved of the obligation to perform Cooperative Testing on a particular loop and will assume acceptance of the loop by CLEC when CLEC cannot provide a "live" representative (through no answer or placement on hold) for over ten (10) minutes. AT&T ILLINOIS may then close the order utilizing existing procedures, document the time and reason, and may bill CLEC and CLEC shall pay the minimum charges as if the Cooperative Test had been completed and the loop accepted, as referenced in section 9.4.2.

## 11. RATES

- 11.1 See Appendix Pricing. Conditioning for xDSL loops less than 12,000 feet in Actual Loop Length are at no charge.

## 12. INTENTIONALLY OMITTED

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

- 13.1 General: AT&T ILLINOIS will provide CLEC with nondiscriminatory access by electronic or manual means, to its loop makeup information set forth in its Plan of Record. Loop makeup data will be provided as set forth below. CLEC will be given nondiscriminatory access to the same loop makeup information that AT&T ILLINOIS is providing any other CLEC and/or AT&T ILLINOIS' retail operations or its advanced services affiliate in Illinois.
- 13.2 Intentionally Omitted.

- 13.3 Loop Qualification: Subject to Section 13.1 above, AT&T ILLINOIS' uniform GUI (e.g., Verigate and DataGate in regions where Verigate/DataGate are generally available for use with xDSL-based or other advanced services) and application to application OSS interfaces allow CLEC, as well as AT&T ILLINOIS' retail operations or its advanced services affiliate(s), to have near real time electronic access to the loop makeup information. As more particularly described below, this loop makeup information will be categorized by two separate pricing elements: mechanized and manual. AT&T ILLINOIS shall also provide CLEC with access to electronic loop qualification information during the preorder process, at no charge. However, if CLEC submits a service order the appropriate loop qualification charges set forth in the Appendix Pricing shall apply.
- 13.4 Mechanized Loop Qualification: 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 above will return information in all fields described in AT&T's Plan of Record when such information is contained in AT&T ILLINOIS' electronic databases. CLEC will be billed and shall pay a mechanized loop qualification charge for each xDSL capable loop order submitted at the rates set forth in Appendix Pricing.
- 13.5 Manual Loop Qualification: Manual loop qualification includes all fields as described in AT&T ILLINOIS' Plan of Record, when available. CLEC will be billed a manual loop qualification charge for each manual loop qualification requested at the rates set forth in the Pricing Schedule.
- 13.6 Both categories of Loop qualification (mechanized and manual) are subject to the following:
- 13.6.1 Loops Less Than 12,000 Feet in Actual Loop Length: If load coils, repeaters or excessive bridged tap are present on a loop less than 12,000 feet in Actual Loop Length, Conditioning to remove these elements will be performed without request and at no charge to CLEC.
- 13.6.2 If CLEC elects to have AT&T ILLINOIS provide loop makeup through a manual process for information not available electronically, then the loop qualification interval will be not more than three (3) business days, or the interval provided to any of its affiliates in AT&T ILLINOIS providing advance services, whichever is less.
- 13.6.3 Loops 12,000 Feet or Greater in Actual Loop Length: If the results of the loop qualification indicate that Conditioning is available on a loop that is 12,000 feet in actual loop length or greater, CLEC may request that none of the recommended loop Conditioning be performed or that AT&T ILLINOIS perform some or all of the recommended loop Conditioning to remove Excessive Bridged Tap(s), load coil(s) and/or repeater(s) at the rates set forth in the Pricing Schedule.
- 13.7 Where actual loop make-up information is not available, AT&T ILLINOIS will provide designed loop provisioning information via Verigate, DataGate, EDI and CORBA.
- 13.8 The Parties agree that in accordance with FCC requirements and Advanced Services POR collaboratives, AT&T ILLINOIS will provide CLEC with non-discriminatory access to AT&T ILLINOIS' loop make-up information as set forth in this section 13.8. The loop qualification data elements provided by AT&T ILLINOIS shall be provided at parity with

what AT&T ILLINOIS provides itself, any of its affiliates in Illinois providing advanced services and other CLECs and shall include but not limited to the following fields:

- 13.8.1 Loop length
- 13.8.2 Loop length by segment
- 13.8.3 Length by gauge
- 13.8.4 26 gauge equivalent loop length (calculated)
- 13.8.5 Presence of load coils
- 13.8.6 Quality of load coils (if applicable)
- 13.8.7 Presence of bridged taps
- 13.8.8 Length of bridged taps (if applicable)
- 13.8.9 Presence of pair gain devices, DLC, and/or DAML
- 13.8.10 Qualification status of the loop based on specified PSD, if no PSD class is specified, the default PSD is class 5 (ADSL)
- 13.8.11 Presence of repeaters
- 13.8.12 Location of repeaters
- 13.8.13 Type of repeaters
- 13.8.14 Quantity of repeaters
- 13.8.15 Type of Plant (aerial or buried)
- 13.8.16 Type of Loop (copper or fiber)
- 13.8.17 Portion that is copper or fiber
- 13.8.18 Length that is copper or fiber
- 13.8.19 Availability of spare facilities
- 13.8.20 Quantity of bridged tap by occurrence
- 13.8.21 Location of bridged tap by occurrence
- 13.8.22 Quantity of Low pass filters
- 13.8.23 Location of Low pass filters
- 13.8.24 Quantity of Range extenders
- 13.8.25 Location of Range extenders
- 13.8.26 Number of gauge changes
- 13.8.27 Location of pair gain devices
- 13.8.28 Location of DLC
- 13.8.29 Quantity of DLCs
- 13.8.30 Location of RSU (Remote Switching Unit)
- 13.8.31 Type of RSU (Remote Switching Unit)
- 13.8.32 Resistance Zone

**Exhibit A****xDSL Technologies Presumed Acceptable for Deployment**

The technologies listed in this Exhibit A are Presumed Acceptable for Deployment. This list should be expanded as additional services are deployed, or industry standards developed. As standards are developed or updated, these standards shall automatically be incorporated by a reference as if fully set forth herein.

The following technologies currently have a national standard in place:

Technology	Standard
ADSL	ATIS T1.413 1998 (Issue 2), T1.423, ITU 992.1
SHDSL	ATIS T1.422, ITU G.991.2
SDSL	(2B1Q) ITU 991.1
IDSL	ATIS T1.601
HDSL	ATIS TR28/ITU 991.1
HDSL2	ATIS T1.418
VDSL	ATIS T1.424
RADSL	no national standard
MVL	no national standard
G.Lite	ATIS T1.419/ITU G.991.2

The following technologies have been successfully deployed with no apparent degradation of the performance of other services although speeds are not guaranteed by AT&T ILLINOIS.

SDSL	160 kb/s - 784 kb/s
SDSL	1.0 – 1.5 Mb/s

# APPENDIX COORDINATED HOT CUT (CHC)

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## APPENDIX COORDINATED HOT CUT (CHC)

### 1. INTRODUCTION

This Appendix sets forth terms and conditions for Coordinated Hot Cut (CHC) provided by the applicable AT&T Inc. (AT&T) owned Incumbent Local Exchange Carrier (ILEC) and CLEC.

- 1.1 **AT&T Inc. (AT&T)** means the holding company which directly or indirectly owns the following ILECs: Illinois Bell Telephone Company d/b/a AT&T Illinois, Indiana Bell Telephone Company Incorporated d/b/a AT&T Indiana, Michigan Bell Telephone Company d/b/a AT&T Michigan, Nevada Bell Telephone Company d/b/a AT&T Nevada, The Ohio Bell Telephone Company d/b/a AT&T Ohio, Pacific Bell Telephone Company d/b/a AT&T California, The Southern New England Telephone Company d/b/a AT&T Connecticut, Southwestern Bell Telephone, L.P. d/b/a AT&T Arkansas, AT&T Kansas, AT&T Missouri, AT&T Oklahoma and/or AT&T Texas and/or Wisconsin Bell, Inc. d/b/a AT&T Wisconsin.
- 1.2 **AT&T-13STATE** - As used herein, **AT&T-13STATE** means **AT&T SOUTHWEST REGION 5-STATE**, **AT&T MIDWEST REGION 5-STATE**, **AT&T-2STATE** and **AT&T CONNECTICUT** the applicable AT&T-owned ILEC(s) doing business in Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas, and Wisconsin.
- 1.3 **AT&T CALIFORNIA** - As used herein, **AT&T CALIFORNIA** means Pacific Bell Telephone Company d/b/a AT&T California, the applicable AT&T-owned ILEC doing business in California.
- 1.4 **AT&T CONNECTICUT** - As used herein, **AT&T CONNECTICUT** means The Southern New England Telephone Company d/b/a AT&T Connecticut, the applicable above listed ILEC doing business in Connecticut.
- 1.5 **AT&T MIDWEST REGION 5-STATE** - As used herein, **AT&T MIDWEST REGION 5-STATE** means Illinois Bell Telephone Company d/b/a AT&T Illinois, Indiana Bell Telephone Company Incorporated d/b/a AT&T Indiana, Michigan Bell Telephone Company d/b/a AT&T Michigan, The Ohio Bell Telephone Company d/b/a AT&T Ohio, and/or Wisconsin Bell, Inc. d/b/a AT&T Wisconsin, the applicable AT&T-owned ILEC(s) doing business in Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- 1.6 **AT&T NEVADA** - As used herein, **AT&T NEVADA** means Nevada Bell Telephone Company d/b/a AT&T Nevada, the applicable AT&T-owned ILEC doing business in Nevada.
- 1.7 **AT&T SOUTHWEST REGION 5-STATE** - As used herein, **AT&T SOUTHWEST REGION 5-STATE** means Southwestern Bell Telephone, L.P. d/b/a AT&T Arkansas, AT&T Kansas, AT&T Missouri, AT&T Oklahoma and/or AT&T Texas the applicable above listed ILEC(s) doing business in Arkansas, Kansas, Missouri, Oklahoma, and Texas.
- 1.8 **"Conversion of Service"** is defined as the matching of the disconnect of one telecommunications product or service with the installation of another telecommunications product or service.
- 1.9 **"Designated Installation"** is defined as an installation of service occurring at a specific time of day as specified by CLEC.

### 2. CHC SERVICE DESCRIPTION

- 2.1 Coordinated Hot Cut (CHC) Service is an optional manual service offering that permits CLEC to request a designated installation and/or conversion of service during, or after, normal business hours.
- 2.2 CLEC will initiate the beginning of a CHC by contacting the appropriate coordination center. This special request enables CLEC to schedule and coordinate particular provisioning requirements with the **AT&T-13STATE**.
- 2.3 **AT&T-13STATE** may limit the number of service orders that can be coordinated based on workload and resources available. AT&T shall approve CHC requests on a non-discriminatory basis, by requesting carrier, and on a first come, first served basis.

2.4 The AT&T-13STATE reserves the right to suspend the availability of CHC Service during unanticipated heavy workload/activity periods. Heavy workload includes any unanticipated volume of work that impacts the AT&T-13STATE's ability to provide its baseline service. Where time permits, the AT&T-13STATE will make every effort to notify CLEC when such unanticipated activities occur.

### 3. CHC PRICING

3.1 CHC is a time sensitive labor operation. Total charges are determined by a number of factors including the volume of lines, day of the week, and the time of day requested for the cut over.

3.2 When CLEC orders CHC service, AT&T-13STATE shall charge and CLEC agrees to pay for CHC service at the "additional labor" or "Time and Material" rates set forth in the following applicable Tariffs or Appendix Pricing, Schedule of Prices:

3.2.1 AT&T MIDWEST REGION 5-STATE - FCC No. 2 Access Services Tariff, Section 13.2.6 (c)<sup>1</sup>

3.2.2 AT&T NEVADA - PUCN, Section C13A, 13.2.6(c)

3.2.3 AT&T CALIFORNIA - Access Tariff 175-T, Section 13.2.6(c)

3.2.4 AT&T SOUTHWEST REGION 5-STATE - Appendix Pricing, Schedule of Prices, "Time and Materials Charges"

3.2.5 AT&T CONNECTICUT - Connecticut Access Service Tariff, Section 18.1(3)

3.3 In the event the AT&T-13STATE fails to meet a CHC Service commitment for reasons within the control of AT&T-13STATE, AT&T will not charge CLEC a CHC Service charge. However, in the event AT&T misses a CHC Service commitment due to CLEC, its agent or end user reasons, the Coordinated Hot Cut (CHC) Service charge will still apply. For example, if CLEC requests any change to an order with CHC Service including, but not limited to, AT&T-13STATE's inability to gain access to CLEC's end user's premises, or CLEC/end user is not ready to proceed with the order, the CHC charge will apply and AT&T-13STATE is no longer obligated to ensure a CHC is on that order.

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<sup>1</sup> AT&T-13STATE will not charge the additional labor rate in a particular state in the AT&T MIDWEST 5-STATE region until the effective non-recurring dockets: IL - 98-0396, IN - Cause 40611-S1, MI - U-11831, OH - 96-922-TP-UNC, and WI - 6720-TI-120, are superseded by that state's commission order approving new non-recurring Lawful UNE rates.

	A	B	C	D	E	F	G	H	I	J	K
1	ILLINOIS				USOC	Recurring					
2											
3	<b>UNBUNDLED NETWORK ELEMENTS</b>										
4											
5	<b>Line Station Transfer (LST)</b>										
6				Line & Station Transfer(LST) performed on CODSLAM Loop	URCLD	N/A		\$ 237.74			
7											
8	<b>DSL Conditioning Options</b>										
9				<b>DSL Conditioning Options - &gt;12KFT and &lt; 17.5KFT</b>							
10	**			Removal of Repeater Options - per element	NRBXV	N/A		\$21.49	N/A		
11	**			Removal Bridged Tap Option - per element	NRBXW	N/A		\$14.00	N/A		
12	**			Removal of Load Coil - per element	NRBXZ	N/A		\$14.08	N/A		
13				<b>DSL Conditioning Options - &gt;17.5KFT in addition to the rates for &gt; 12KFT and &lt; 17.5KFT per element</b>							
14	**			Removal of Repeater Options - per element	NRBNL	N/A		\$21.49	N/A		
15	**			Removal Bridged Tap Option - per element	NRBNK	N/A		\$14.00	N/A		
16	**			Removal of Load Coil - per element	NRBNJ	N/A		\$14.08	N/A		
17											
18	<b>Removal of All Bridge Tap (RABT) Modified Maintenance Process (MMP)</b>										
19				Removal of All Bridged Tap							
20				DSL Loops - >12KFT and <17.5KFT		N/A		\$ 742.35			
21				Removal of All Bridged Tap >17.5KFT							
22				DSL Loops - >17.5KFT - per element							
23				Incremental Removal of All Bridged Tap > 17.5KFT - per element		N/A		\$ 286.75			
24				Removal of Non-Excessive Bridged Tap							
25				DSL Loops - >0KFT and <17.5KFT		N/A		\$ 286.75			
26				Removal of Non-Excessive Bridged Tap >17.5KFT							
27				DSL Loops - >17.5KFT - per element							
28				Incremental Removal of All Bridged Tap > 17.5KFT - per element		N/A		\$ 286.75			
29											

	A	B	C	D	E	F	G	H	I	J	K
									Year 1 (10/02/03 to 10/01/04)	Year 2 (10/02/04 to 10/01/05)	Year 3 (10/02/05 to 10/01/06)
1											
2											
3	<b>HFPL</b>										
4		<b>2-Wire</b>									
5			PSD #1 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
6			PSD #1 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
7			PSD #1 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
8											
9			PSD #2 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
10			PSD #2 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
11			PSD #2 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
12											
13			PSD #3 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
14			PSD #3 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
15			PSD #3 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
16											
17			PSD #4 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
18			PSD #4 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
19			PSD #4 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
20											
21			PSD #5 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
22			PSD #5 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
23			PSD #5 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
24											
25			PSD #7 - 2-Wire Access Area C- Rural						\$ 2.85	\$ 5.70	\$ 8.55
26			PSD #7 - 2-Wire Access Area B- Suburban						\$ 1.77	\$ 3.54	\$ 5.30
27			PSD #7 - 2-Wire Access Area A- Metro						\$ 0.65	\$ 1.30	\$ 1.94
28											
29		<b>4-Wire</b>									
30			PSD #3 - 4-Wire Access Area C- Rural						\$ 6.66	\$ 13.32	\$ 19.97
31			PSD #3 - 4-Wire Access Area B- Suburban						\$ 4.21	\$ 8.41	\$ 12.62
32			PSD #3 - 4-Wire Access Area A- Metro						\$ 1.02	\$ 2.04	\$ 3.06