

or in the same conduit; provided, however, that removal of facilities from the maintenance duct shall be governed by Sections 12.04, 13.03, and 15.02 of this Appendix and not by this subsection.

18.05 Notice of Completion of Removal Activities. CLEC shall give written notice to SWBT stating the date on which the removal of its facilities from SWBT's poles, ducts, conduits, and rights-of-way has been completed. Charges shall continue to accrue with respect to such facilities until CLEC's facilities have been removed, pull mandrels (slugs) have been pulled if required by Section 18.01(b) of this Appendix, CLEC has plugged all previously occupied ducts at the entrances to SWBT's manholes as required by Section 18.01(c) of this Appendix, and the notice required by this section has been given.

18.06 Notice of SWBT's Intent to Remove Facilities. If CLEC fails to remove its facilities from SWBT's poles or conduit system, in accordance with the provisions of Sections 18.01 and 18.05 of this Appendix, SWBT may remove such facilities 60 days after giving CLEC written notice of its intent to do so. The notice shall state:

- (a) the date when SWBT plans to commence removal of CLEC's facilities, and that CLEC may remove the facilities at CLEC's sole cost and expense at any time before the date specified;
- (b) SWBT's plans with respect to disposition of the facilities removed; and
- (c) that CLEC's failure to remove the facilities or make alternative arrangements with SWBT for removal and disposition of the facilities shall constitute an abandonment of the facilities and of any interest therein.

18.07 Removal of Facilities by SWBT. If SWBT removes any of CLEC's facilities pursuant to this article, CLEC shall reimburse SWBT for SWBT's costs in connection with the removal, storage, delivery, or other disposition of the removed facilities.

18.08 Reattachment or Subsequent Attachment Following Removal. After CLEC's facilities have been properly removed pursuant to the provisions of this article, neither the removed facilities nor replacement facilities shall be attached to SWBT's poles or placed in SWBT's conduit system until CLEC has first submitted new applications for the facilities and complied with the provisions of this Appendix.

18.09 Termination of Licenses After Removal of Facilities. CLEC agrees to provide written notice to SWBT when it ceases to use facilities attached to SWBT's poles or placed in any part of SWBT's conduit system. Upon the giving of such notice and the removal of such facilities, CLEC's license with respect to such facilities and the space occupied by those facilities shall terminate.

ARTICLE 19: RATES, FEES, CHARGES, AND BILLING

19.01 Rates and Administrative Fees. The following rates and administrative fees shall apply during the terms of the parties' Interconnection Agreement and shall not be increased or decreased except as provided herein or by Commission order.

- (a) **Rates for Pole Attachments and Conduit Occupancy.** In accordance with the Missouri Public Service Commission's arbitration order in Case No. TO-97-40, CLEC shall pay SWBT rates of \$2.35 per year per pole attachment and \$0.40 per duct foot per year for conduit occupancy, until such time as the Federal Communications Commission promulgates amended rules governing pole attachment and conduit occupancy rates. Conduit occupancy rates apply to manhole occupancy, calculated to the center point of the manhole. Pole attachment and conduit occupancy rates charged by SWBT to CLEC under this Appendix will then be adjusted in accordance with the FCC's rules on a going-forward basis.
- (b) **Administrative Fees.** As provided by the Missouri Public Service Commission's arbitration order in Case No. TO-97-40, SWBT shall be allowed to charge administrative fees to CLEC. The amount charged by SWBT to CLEC for administrative fees shall be identical to the amount charged by SWBT to CATV providers. Further, in accordance with the Missouri Public Service Commission's arbitration order in Case No. TO-97-40, if the FCC promulgates rules governing the assessment of administrative fees, those rules shall apply to administrative fees charged by SWBT to CLEC on a going-forward basis.
- (c) **Partial Duct and Inner Duct Occupancy Rates.** SWBT's rates for partial duct and inner duct occupancy shall be determined in accordance with the Pole Attachment Act and applicable rules, regulations, and Commission orders thereunder. Partial duct and inner duct rates shall be standardized rather than determined on a case-by-case basis which requires individual analysis of conduit sections occupied. If two or more cable facilities occupy a duct that has not been subdivided by inner duct, a half-duct occupancy rate will apply for each cable facility placed in the duct. A half-duct occupancy rate will apply to the first facility placed by CLEC in a previously unoccupied duct that has not been subdivided by inner duct if the presence of CLEC's cable facility does not render the other half of the duct unusable by others. A half-duct rate shall apply to each inner duct occupied. If the FCC promulgates rules governing rates for partial duct and inner duct occupancy, those rules shall apply, on a going forward basis, to partial duct and inner duct occupancy rates charged to CLEC by SWBT under this Appendix.

19.02 This section intentionally left blank.

19.03 Semiannual Attachment and Occupancy Fees. SWBT's semiannual fees for attachments to SWBT's poles and occupancy of SWBT's ducts and conduits are specified in Exhibit I. For all attachments to SWBT's poles and occupancy of SWBT's ducts and conduits, CLEC agrees to pay SWBT's semiannual charges as specified in Exhibit I.

19.04 Billing for Attachment and Occupancy Fees. Semiannual attachment and occupancy fees under this Appendix and licenses issued hereunder shall be payable in advance. Fees for pole attachments shall be based on the number of pole attachments for which licenses have been issued as of the date of billing by SWBT, shall be determined in accordance with the schedule of charges set forth in Exhibit I, and shall be payable semiannually in advance. Fees for conduit occupancy shall be based on the number of duct feet subject to occupancy by CLEC under licenses issued as of the date of billing by SWBT, shall be determined in accordance with the schedule of charges set forth in Exhibit I, and shall be payable semiannually in advance. Pole attachment and conduit occupancy space assigned to CLEC prior to the issuance of a license shall be billed in the same manner as if a license had been issued.

- (a) Bills shall be submitted to CLEC for two semiannual billing periods, the first period including charges for the months of January through June and the second including charges for the months of July through December.
- (b) Charges associated with newly licensed pole attachments and conduit occupancy shall be prorated on a daily basis and billed with the next semiannual bill.
- (c) Charges shall be adjusted and retroactively prorated on a daily basis following the removal of CLEC's facilities (in accordance with Article 18) and shall be retroactively adjusted as a credit on the next semiannual bill.

19.05 Pre-license Survey Fees. With respect to pre-license surveys conducted by SWBT pursuant to Section 9.05 of this Appendix, SWBT may charge CLEC cost-based pre-license survey fees pursuant to such methodologies as shall be approved by the Missouri Public Service Commission following the filing by SWBT of any required study providing cost justification for the imposition of pre-license survey fees.

19.06 Make-Ready Charges. CLEC agrees to pay make-ready charges, if any, as specified in this section. SWBT may recover from CLEC the costs of make-ready work performed by SWBT or persons acting on SWBT's behalf. SWBT may not require payment of the full amount in advance. CLEC will pay half of SWBT's make-ready charges after 50% completion of work, and the remainder at completion. Bills and invoices submitted by SWBT to CLEC for make ready charges shall be due and payable 30 days after the date of the bill or invoice.

19.06A Charges for Work Performed by SWBT Employees. Except as otherwise specifically required by applicable commission orders, SWBT's charges to CLEC for work performed by SWBT employees pursuant to this Appendix shall be computed by multiplying the fully loaded hourly rates for such employees times the number of hours required to perform the

work. Disputes over SWBT's charges for work performed by SWBT employees, including disputes between the parties concerning the number of hours required to perform the work, shall be subject to the dispute resolution procedures of Article 30. Notwithstanding the execution of this Appendix, CLEC shall have the right to challenge the methodology utilized by SWBT to determine hourly rates for SWBT employees at any time in any forum having jurisdiction over the subject matter.

19.07 Due Date for Payment. For all fees and charges other than make ready charges, each bill or invoice submitted by SWBT to CLEC for any fees or charges under this Appendix shall state the date that payment is due, which date shall be not less than 60 days after the date of the bill or invoice. CLEC agrees to pay each such bill or invoice on or before the stated due date.

ARTICLE 20: PERFORMANCE AND PAYMENT BONDS

20.01 Bond May Be Required. SWBT may require CLEC, authorized contractors, and other persons acting on CLEC's behalf to execute performance and payment bonds (or provide other forms of security) in amounts and on terms sufficient to guarantee the performance of their respective obligations arising out of or in connection with this Appendix only as provided in subsections (a)-(b) of this section. Bonds shall not be required for entities meeting all self-insurance requirements of Section 22.02 of this Appendix.

- (a) If CLEC elects to perform facilities modification, capacity expansion, or make-ready work under Section 6.08(c) or Sections 10.02-10.05 of this Appendix, SWBT may require CLEC, authorized contractors, and other persons acting on CLEC's behalf to execute bonds equivalent to those which would be required by SWBT if the work had been performed by contractors, subcontractors, or other persons selected directly by SWBT. No bonds shall be required of CLEC, authorized contractors, or other persons acting on CLEC's behalf except in those situations where a bond would be required if the work were being performed on SWBT's behalf.
- (b) No other bond shall be required of CLEC to secure obligations arising under this Appendix in the absence of due cause and justification.
- (c) If a bond or similar form of assurance is required of CLEC, an authorized contractor, or other person acting on CLEC's behalf, CLEC shall promptly submit to SWBT, upon request, adequate proof that the bond remains in full force and effect and provide certification from the company issuing the bond that the bond will not be canceled, changed or materially altered without first providing SWBT 60 days written notice.
- (d) SWBT may communicate directly with the issuer of any bond issued pursuant to this section to verify the terms of the bond, to confirm that the bond remains in force, and to make demand on the issuer for payment or performance of any obligations secured by the bond.

ARTICLE 21

(RESERVED)

ARTICLE 22: INSURANCE

22.01 Insurance Required. CLEC shall comply with the insurance requirements specified in this section.

- (a) Unless CLEC has provided proof of self-insurance as permitted in Section 22.02 below, CLEC shall obtain and maintain in full force and effect, for so long as this Appendix remains in effect, insurance policies specified in Exhibit IV of this Appendix. Each policy shall name SWBT as an additional insured and shall include provisions requiring the insurer to give SWBT notice of any lapse, cancellation, or termination of the policy or any modification to the policy affecting SWBT's rights under the policy, including but not limited to any decrease in coverage or increase in deductibles.
- (b) Exclusions from coverage or deductibles, other than those expressly permitted in EXHIBIT IV, must be approved in writing by SWBT.
- (c) Authorized contractors and other contractors performing work on, within, or in the vicinity of SWBT's poles, ducts, conduits, or rights-of-way on CLEC's behalf shall be required to meet the same insurance requirements applicable to contractors performing similar work on SWBT's behalf. CLEC shall be responsible for securing compliance by its contractors with this requirement and shall be liable to SWBT for any damages resulting from its failure to do so.
- (d) Self-insurance shall be permitted for persons and entities (including but not limited to CLEC and authorized contractors) meeting the self-insurance requirements set forth in Section 22.02 of this Appendix.

22.02 Proof of Insurance or Self-insurance. Proof of insurance or self-insurance shall be made pursuant to the provisions of this section.

- (a) CLEC shall submit to SWBT adequate proof (as determined by SWBT) that the companies insuring CLEC are providing all coverages required by this Appendix. CLEC's insurers shall provide SWBT with certifications that the required coverages will not be canceled, changed, or materially altered (e.g., by increasing deductibles or altering exclusions from coverages) except after 30 days written notice to SWBT.
- (b) SWBT will accept certified proof of a person or entity's qualification as a self-insurer for Workers' Compensation and Employers Liability, where self-insurance is permitted, upon receipt of a current copy of a Certificate of Authority to Self-insure issued by the Workers' Compensation Commission of this State. SWBT will accept

self-insurance by a person or entity in lieu of other Commercial General Liability and Automobile Liability Coverage if such person or entity warrants that its net worth, as shown by its most recent audited financial statement with no negative notes, is at least 10 times the minimum liability limits set forth in Exhibit IV and SWBT is satisfied that such person or entity will be able to meet its liability obligations under this Appendix.

22.03 Licensing Contingent on Proof of Insurance. All insurance required in accordance with Exhibit IV, or self-insurance as permitted in Section 22.02, must be in effect before SWBT will issue pole attachment or conduit occupancy licenses under this Appendix and shall remain in force until all of CLEC's facilities have been removed from SWBT's poles, ducts, conduits, and rights-of-way.

22.04 Failure to Obtain or Maintain Coverage. CLEC's failure to obtain and maintain the required levels and types of insurance coverage required under this Appendix may be grounds for termination of this Appendix and licenses subject to policies of insurance required under this Appendix will be canceled or changed in any manner which will result in CLEC's failure to meet the requirements of this Appendix, SWBT may terminate this Appendix and all licenses subject to this Appendix not less than 60 days after giving CLEC written notice of its intention to do so, and such termination shall be effective on the termination date specified in the notice unless CLEC has obtained (or made arrangements satisfactory to SWBT to obtain) the required coverage from another source. In the alternative, SWBT may, in its sole discretion, elect to take such action as may be necessary to keep the policy in effect with the required coverages.

ARTICLE 23

(RESERVED)

ARTICLE 24: TERMINATION OF AGREEMENT OR LICENSES; REMEDIES FOR BREACHES

24.01 Termination of Appendix Due to Non-Use of Facilities. CLEC shall, by written notice to SWBT, terminate this Appendix if CLEC ceases to do business in this State, or ceases to make active use of SWBT's poles, ducts, conduits, and rights-of-way in this State.

24.02 Limitation, Termination, or Refusal of Access Due to Certain Material Breaches. CLEC's access to SWBT's poles, ducts, conduits, and rights-of-way will not materially interfere with or impair service over any facilities of SWBT or any joint user, cause material damage to SWBT's plant or the plant of any joint user, impair the privacy of communications carried over the facilities of SWBT or any joint user, or create serious hazards to health or safety of any persons working on, within, or in the vicinity of SWBT's poles, ducts, rights-of-way or to the public. Upon reasonable notice and opportunity to cure, SWBT may limit, terminate or refuse access if CLEC violates this provision; provided, however, that such limitation, termination or refusal will be limited to CLEC's access to poles, ducts, conduits, and rights-of-way located in the SWBT construction district in which the violation occurs, shall be as narrowly limited in time and geographic scope as

may be necessary to enable CLEC to adopt suitable controls to prevent further violations, and shall be subject to review, at CLEC's request, pursuant to the dispute resolution procedures set forth in this Appendix (or, if applicable, the parties' Interconnection Agreement) or, as permitted by law, before any court, agency, or other tribunal having jurisdiction over the subject matter. In the event CLEC invokes dispute resolution procedures or seeks review before a court, agency, or other tribunal having jurisdiction over the subject matter, the limitation, termination, or refusal of access may be stayed or suspended by agreement of the parties or by order of the tribunal having jurisdiction over the parties' dispute.

24.03 Notice and Opportunity to Cure Breach. In the event of any claimed breach of this Appendix by either party, the aggrieved party may give written notice of such claimed breach as provided in this section.

- (a) The notice shall set forth in reasonable detail:
 - (1) the conduct or circumstances complained of, together with the complaining party's legal basis for asserting that a breach has occurred;
 - (2) the action believed necessary to cure the alleged breach; and
 - (3) any other matter the complaining party desires to include in the notice.
- (b) Except as provided in Section 24.02 and subsection (c) of this section, the complaining party shall not be entitled to pursue any remedies available under this Appendix or relevant law unless such notice is given and (1) the breaching party fails to cure the breach within 30 days of such notice, if the breach is one which can be cured within 30 days, or (2) the breaching party fails to commence promptly and pursue diligently a cure of the breach, if the required cure is such that more than 30 days will be required to effect such cure; provided, however, that nothing contained in this section shall preclude either party from invoking the dispute resolution procedures set forth in Article 30 of this Appendix, or any complaint or dispute resolution procedures offered by the FCC or State Commission, at any time.
- (c) Nothing contained in this section shall preclude either party from filing a complaint or bringing suit in any court, agency, or other tribunal of competent jurisdiction to restrain or enjoin any conduct of the other party which threatens the complaining party with irreparable injury, loss or damage without first giving the notice otherwise required by subsection (b).

ARTICLE 25

(RESERVED)

ARTICLE 26

(RESERVED)

ARTICLE 27: CONFIDENTIALITY OF INFORMATION

27.01 Information Provided by CLEC to SWBT. Except as otherwise specifically provided in this Appendix, all company-specific and customer-specific information submitted by CLEC to SWBT in connection with this Appendix (including but not limited to information submitted in connection with CLEC's applications for the assignment of pole attachment and occupancy space and for pole attachment and conduit occupancy licenses) shall be deemed to be "Confidential" or "Proprietary" information of CLEC and shall be subject to the terms set forth in this article. Confidential or Proprietary information specifically includes information or knowledge related to CLEC's review of records regarding a particular market area, or relating to assignment of space to CLEC in a particular market area, and further includes knowledge or information about the timing of CLEC's request for or review of records or its inquiry about SWBT facilities. This article does not limit the use by SWBT of aggregate information relating to the occupancy and use of SWBT's poles, ducts, conduits, and rights-of-way by firms other than SWBT (that is, information submitted by CLEC and aggregated by SWBT in a manner that does not directly or indirectly identify CLEC).

27.02 Access Limited to Persons with a Need to Know. Confidential or Proprietary information provided by CLEC to SWBT in connection with this Appendix shall not be disclosed to, shared with, or accessed by any person or persons (including but not limited to personnel involved in sales, marketing, competitive intelligence, competitive analysis, strategic planning, and similar activities) other than those who have a need to know such information for the limited purposes set forth in Sections 28.03 to 28.06.

27.03 Permitted Uses of CLEC's Confidential or Proprietary Information. SWBT and persons acting on SWBT's behalf, except for personnel involved in sales, marketing, competitive intelligence, competitive analysis, strategic planning, and similar activities, may utilize CLEC's Confidential or Proprietary information for the following purposes (a) posting information, as necessary, to SWBT's outside plant records; (b) placing, constructing, installing, operating, utilizing, maintaining, monitoring, inspecting, repairing, relocating, transferring, conveying, removing, or managing SWBT's poles, ducts, conduits, and rights-of-way and any SWBT facilities located on, within, or in the vicinity of such poles, ducts, conduits, and rights-of-way; (c) performing SWBT's obligations under this Appendix and similar agreements with third parties; (d) performing SWBT's general obligations to afford nondiscriminatory access to telecommunications carriers and cable television systems under the Pole Attachment Act; (e) determining which of SWBT's poles, ducts, conduits, and rights-of-way are (or may in the future be) available for SWBT's own use, and making planning, engineering, construction, and budgeting decisions relating to SWBT's poles, ducts, conduits, and rights-of-way; (f) preparing cost studies; (g) responding to regulatory requests for information; (h) maintaining SWBT's financial accounting records; and (i) complying with other legal requirements relating to poles, ducts, conduits, and rights-of-way.

27.04 Access by Third Parties. Information reflecting the assignment of pole attachment and conduit occupancy space to CLEC may be made available to personnel of third parties seeking access to SWBT's records under provisions, and subject to protections, equivalent to those contained in and required by Section 7.03 of this Appendix.

27.05 Defense of Claims. In the event of a dispute between SWBT and any person or entity, including CLEC, concerning SWBT's performance of this Appendix, satisfaction of obligations under similar agreements with third parties, compliance with the Pole Attachment Act, compliance with the Telecommunications Act of 1996, or compliance with other federal, state, or local laws, regulations, commission orders, and the like, SWBT may utilize Confidential or Proprietary information submitted by CLEC in connection with this Appendix as may be reasonable or necessary to demonstrate compliance, protect itself from allegations of wrongdoing, or comply with subpoenas, court orders, or reasonable discovery requests; provided, however, that SWBT shall not disclose CLEC's Proprietary or Confidential Information without first, at SWBT's option, (a) obtaining an agreed protective order or nondisclosure agreement that preserves the confidential and proprietary nature of the information; (b) seeking such a protective order as provided by law if no agreed protective order or nondisclosure agreement can be obtained; or (c) providing CLEC notice of the subpoena or order and the opportunity to protect the Proprietary or Confidential Information.

27.06 Response to Subpoenas, Court Orders, and Agency Orders. Nothing contained in this article shall be construed as precluding SWBT from complying with any subpoena, civil or criminal investigative demand, or other order issued or entered by a court or agency of competent jurisdiction; provided, however, that SWBT shall not disclose CLEC's proprietary or confidential information without first, at SWBT's option: (a) obtaining an agreed protective order or nondisclosure agreement that preserves the confidential and proprietary nature of CLEC's information; (b) seeking such a protective order as provided by law if no agreed protective order or nondisclosure agreement can be obtained; or (c) providing CLEC notice of the subpoena, demand, or order and an opportunity to take affirmative steps of its own to protect such proprietary or confidential information.

27.07 Other Uses of Confidential Information. No other uses of Confidential or Proprietary information received from CLEC pursuant to this Appendix are authorized or permitted without CLEC's express written consent.

ARTICLE 28

(RESERVED)

ARTICLE 29

(RESERVED)

THIS AGREEMENT CONTAINS A BINDING ARBITRATION PROVISION WHICH MAY BE ENFORCED BY THE PARTIES.

SOUTHWESTERN BELL TELEPHONE L.P. d/b/a
SOUTHWESTERN BELL TELEPHONE COMPANY
BY SBC TELECOMMUNICATIONS, INC., ITS AUTHORIZED AGENT

By:

Signature of SWBT's Authorized Officer/Employee:

Name of SWBT's Authorized Officer/Employee (Printed or Typed)

Position/Title of SWBT's Authorized Officer/Employee

Date

MCIMETRO ACCESS TRANSMISSION SERVICES LLC

By:

Signature of CLEC's Authorized Officer/Employee

Name of CLEC's Authorized Officer/Employee (Printed or Typed)

Title of CLEC's Authorized Officer/Employee

Date

EXHIBIT I**POLE AND CONDUIT ATTACHMENT RATES**

ITEMS	AR	KS	MO	OK	TX
CLEC Pole Attachments (\$/attachment/yr)	\$2.35	\$1.75	\$2.35	\$1.55	\$2.85
CLEC Conduit Occupancy (\$/ft/yr)*	\$0.40	\$0.39	\$0.40	\$0.39	\$0.63

* Conduit occupancy rates shown are for full-sized ducts. Occupancy of each inner-duct will be at \$0.205 ft/yr. (i.e., half-duct rate).

**EXHIBIT II
IDENTIFICATION OF APPLICANT (MISSOURI)**

This Exhibit is an integral part of the Master Agreement for Access to Poles, Ducts, Conduits, and Rights-of-Way to which it is attached.

Applicant's legal name is: MCImetro Access Transmission Services LLC.

Applicant's principal place of business is located in the State of Colorado.

Applicant does business under the following assumed names: _____

Applicant is:

- a corporation organized under the laws of the State of Delaware,
charter no. _____;
- a partnership organized under the laws of the State of _____;
or
- another entity, as follows: _____

Applicant represents that Applicant is:

- (1) a cable system (as defined in 47 U.S.C. §§ 153(37) and 522(7)) seeking a pole attachment or conduit occupancy license solely to provide cable service (as defined in 47 U.S.C. § 522(6));
- (2) a telecommunications carrier, as defined in 47 U.S.C. § 153(49), as modified by 47 U.S.C. § 224; or
- (3) a person or entity which is neither (1) nor (2) above, as follows:

**EXHIBIT III
ADMINISTRATIVE FORMS AND NOTICES (MISSOURI)**

This Exhibit is an integral part of the Master Agreement for Access to Poles, Ducts, Conduits, and Rights-of-Way to which it is attached and contains administrative forms referred to in the Master Agreement or used in connection with the provision of access to SWBT's poles, ducts, conduits, and rights-of-way. The forms are forms presently in use and have not been fully conformed to the Master Agreement. The forms may be further revised by SWBT to conform to the Master Agreement and revised from time to time to reflect changes in the applicable law, changes in the Master Agreement, and changes in the procedures through which access to poles, ducts, conduits, and rights-of-way is afforded by SWBT to CLEC and others.

- SW-9433: Pole Attachments
- SW-9434: Access Application and Make-Ready Authorization
- SW-9435: Conduit Occupancy
- SW-9436A: Notification of Surrender or Modification of Pole Attachment License by Licensee
- SW-9436B: Notification of Surrender or Modification of Conduit Occupancy License by Applicant
- SW-9436C: Notification of Unauthorized Attachments by Applicant

**EXHIBIT IV
INSURANCE REQUIREMENTS (MISSOURI)**

This Exhibit is an integral part of the Master Agreement for Access to Poles, Ducts, Conduits, and Rights-of-Way to which it is attached.

1) Premises. As used in this Exhibit, the term "premises" refers to any site located on, within, or in the vicinity of SWBT's poles, ducts, conduits, or rights-of-way and any location where CLEC or any person acting on CLEC's behalf may be physically present while traveling to or departing from any such site.

2) Requirements Applicable to CLEC and All Persons and Entities Acting on CLEC's Behalf. CLEC shall maintain, at all times during the term of this Agreement, all insurance and coverages set forth below. Such insurance and coverages shall not only cover CLEC but all contractors, subcontractors, and other persons or entities acting on CLEC's behalf at the premises described in 1) above. CLEC should require that all contractors, subcontractors, and other persons or entities acting on CLEC's behalf at premises described in 1) above obtain the same insurance and coverages.

3) Workers' Compensation Insurance. CLEC shall maintain, at all times during the term of the Agreement, Workers' Compensation Insurance and Employer's Liability Insurance with minimum limits of \$100,000 for bodily injury-each accident, \$100,000 for bodily injury by disease-each employee, and \$500,000 for bodily injury by disease-policy limits, for all employees performing work or otherwise present on the premises described in 1) above. Such insurance must comply with the Workers' Compensation laws of this State and shall provide coverage, at a minimum, for all benefits required by such Worker's Compensation laws. CLEC shall require any contractor, subcontractor, or other person or entity acting on CLEC's behalf to provide Workers' Compensation Insurance and Employer's Liability Insurance for their respective employees unless such employees are covered by the protection afforded by CLEC.

4) General Liability Insurance. To protect SWBT from any liability for bodily injury or property damage, CLEC shall maintain, at all times during the term of the Master Agreement, General Liability insurance satisfactory to SWBT. SWBT shall be added as an additional insured in the standard policy or an endorsement thereto. CLEC shall also require any contractor, subcontractor, or other person or entity acting on CLEC's behalf to provide General Liability coverage with the same limits and with SWBT added as an additional insured unless such contractor, subcontractor, or other person or entity is covered by the General Liability protection afforded by CLEC.

- a) The following coverages must be included in (and may not be excluded from) the policy or policies obtained to satisfy the General Liability insurance requirements of CLEC and any contractor, subcontractor, or other person or entity acting on CLEC's behalf. The coverages may be provided by the standard policy or endorsements thereto. Exclusion endorsements deleting these coverages will not be accepted.

- 1) Personal Injury and Advertising Injury coverage.
 - 2) Premises/Operations coverage, including also coverage for any newly acquired ownership or controlled premises or operations.
 - 3) Independent Contractors coverage to provide protection for CLEC's contractors, subcontractors, and other persons or entities acting on CLEC's behalf.
 - 4) Explosion, Collapse, and Underground Hazard (XCU) coverage.
 - 5) Completed Operations coverage providing for bodily injury and property damage liabilities which may occur once the operations have been completed or abandoned.
 - 6) Contractual Liability coverage to provide financial responsibility for CLEC to meet its indemnification obligations.
 - 7) Broad Form Property Damage (BFPD) coverage for damage to property in the care or custody of CLEC and damage to work performed by or on behalf of CLEC.
- b) Minimum policy limits shall be as follows:
- General Aggregate Limit: \$1,000,000.
- Sublimit for all bodily injury, property damages, or medical expenses incurred in any one occurrence: \$1,000,000.
- Sublimit for personal injury and advertising: \$1,000,000.
- Products/Operations Aggregate Limit: \$1,000,000.
- Each occurrence sublimit for Products/Operations: \$1,000,000.
- c) No coverage shall be deleted from the standard policy without notification of individual exclusions being attached for review and acceptance.
 - d) Policy language or endorsements adding SWBT as an additional insured shall not include exclusions or exceptions which defeat the purpose of protecting SWBT from any liability for bodily injury or property damage arising out of CLEC's operations.

5) Automobile Liability Insurance. The parties contemplate that CLEC and personnel acting on CLEC's behalf will utilize automobiles, trucks, and other motor vehicles on public and private property, including public rights-of-way, in the vicinity of SWBT's poles, ducts, conduits, and rights-of-way. Accordingly, CLEC shall maintain, at all times during the term of the Agreement, Automobile Liability insurance with minimum limits of \$1,000,000 combined single limits per occurrence for bodily injury and property damage which may arise out of the operation or use of motor vehicles of any type. Coverage shall extend to "any auto" -- that is, coverage shall be extended to all owned, non-owned, and hired vehicles used by CLEC or by any person or entity acting on CLEC's behalf in connection with any work performed, or to be performed, on, within, or in the vicinity of SWBT's poles, ducts, conduits, or rights-of-way.

6) Layering of General Liability and Automobile Liability coverages. CLEC's insurance may be written via a primary policy with either an excess or umbrella form over the primary policy. If coverage is written in this manner, the total of the combined policy limits must meet or exceed the minimum limits specified in the Agreement.

7) Deductibles. No deductibles shall be allowed without the express written consent of SWBT.

8) Claims Made Policies. Claims Made Policies will not be accepted.

9) Proof of Insurance. Certificates of Insurance stating the types of insurance and policy limits provided the insured, or other proof of insurance satisfactory to SWBT, must be received by SWBT prior to the issuance of any licenses pursuant to the Agreement and before CLEC or any person acting on CLEC's behalf performs any work on the premises described in 1) above.

a) Certificates of Insurance using the insurance industry standard ACORD form are preferred.

b) Certificates provided with respect to General Liability policies and certificates provided with respect to Automobile Liability policies shall indicate SWBT as an Additional Insured.

c) Deductibles, if permitted, shall be listed on the Certificate of Insurance.

d) The cancellation clause on the certificate of insurance shall be amended to read as follows:

"SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED OR MATERIALLY CHANGED BEFORE THE EXPIRATION DATE, THE ISSUING COMPANY WILL MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT."

A certificate which does not include the phrase "or materially changed" does not meet SWBT's requirements. A certificate reciting that the issuing company will "endeavor to" mail 30 days written notice to the certificate holder does not meet SWBT's requirements. The language "but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents, or representatives" or similar language must be deleted from the certificate.

- e) The certificate holder shall be:

Southwestern Bell Telephone Company
12930 Olive Street Road, Floor 2
Creve Couer, Missouri 63141
ATTENTION: Utility Liaison Supervisor

- f) Failure to object to any coverage described in a certificate shall not constitute written permission from SWBT to any variance from or alteration of any requirement set forth in this Exhibit and shall not be construed as a waiver by SWBT of any rights under the Agreement.

10) Rating of Insurers. SWBT requires that companies affording insurance coverage have a B+VII or better rating, as rated in the current A.M. Best Key Rating Guide for Property and Casualty Insurance Companies.

11) Self-insurance. If authorized in the Master Agreement, self-insurance shall be allowed in lieu of the above requirements upon CLEC's submission of proof that it has met the self-insurance requirements stated in the Master Agreement.

EXHIBIT V
NONDISCLOSURE AGREEMENT (MISSOURI)

Nondisclosure Agreement (SWBT Pole, Duct, Conduit, and Right-of-Way)

This Nondisclosure Agreement, effective as of the ___ day of _____, 20___, has been entered into by and between Southwestern Bell Telephone L.P. d/b/a Southwestern Bell Telephone Company ("SWBT"), a Texas Limited Partnership, and the undersigned person or firm ("Recipient") as a condition of access to certain records and information maintained by SWBT. The parties stipulate and agree as follows:

1) SWBT maintains records and information, including but not limited to outside plant engineering and construction records, which relate to poles, ducts, conduits, and rights-of-way which SWBT owns or controls. SWBT represents that such records and information are not made generally available for inspection or copying by the public and include business, economic, and engineering information (including but not limited to plans, designs, maps, diagrams, cable counts and cable-specific information, circuit records, and other competitively sensitive information) which SWBT intends to keep secret and which has economic value by virtue of not being generally known to or readily ascertainable by the public, including SWBT's competitors.

2) SWBT has agreed to make certain of its records and information relating to poles, ducts, conduits, and rights-of-way available to cable television systems and telecommunications carriers who are presently entitled under federal law to have access to the poles, ducts, conduits, and rights-of-way owned or controlled by SWBT.

3) Recipient represents that Recipient is a cable television system or telecommunications carrier entitled under federal law to access to poles, ducts, conduits, and rights-of-way owned or controlled by SWBT, or, if an individual, that he or she is acting on behalf of _____, which is such a cable television system or telecommunications carrier. Recipient further represents that Recipient is seeking access to SWBT's records and information relating to poles, ducts, conduits, and rights-of-way for the limited purpose of enabling engineering and construction personnel employed by or acting on behalf of such cable television system or telecommunications carrier to make engineering and construction decisions necessary to utilize SWBT's poles, ducts, conduits, and rights-of-way.

4) SWBT agrees that permitted uses of records and information concerning SWBT's poles, ducts, conduits, and rights-of-way are (a) determining which poles, ducts, conduits, and rights-of-way owned or controlled by SWBT are available for use by such cable television systems or telecommunications carriers as permitted by federal law, (b) designing, engineering, constructing, installing, maintaining, and removing equipment which is to be attached to or placed within such poles, ducts, conduits, and rights-of-way, and (c) contesting decisions, if any, by SWBT not to provide access to such poles, ducts, conduits, and rights-of-way as requested. No other uses of such records or information are authorized or permitted under this Agreement.

5) Recipient agrees that Recipient will not use, or permit any other person or entity to use or have access to SWBT's records and information relating to poles, ducts, conduits, or rights-of-way or information for any purpose other than the limited purposes stated in 4) above and that such records and information shall not be disclosed or shared with any person or persons other than those who have a need to know such information for such limited purposes. Recipient specifically agrees that such records and information shall not be used or accessed by any person involved in sales, marketing, competitive intelligence, competitive analysis, strategic planning, and similar activities.

Recipient further agrees that Recipient shall not furnish copies of such records or disclose information contained in such records to any person or entity which has not executed and delivered to SWBT a counterpart of this Agreement prior to receipt of such copies or information.

6) Recipient agrees that Recipient will not without SWBT's express written authorization copy, duplicate, sketch, draw, photograph, download, photocopy, scan, replicate, transmit, deliver, send, mail, communicate, or convey any of SWBT's records relating to poles, ducts, conduits, or rights-of-way. Recipient further agrees that Recipient will not conceal, alter, or destroy any SWBT records furnished to Recipient pursuant to this Agreement.

7) Notwithstanding the provisions of 6) above, and except as provided in 8) below, Recipient may copy, take notes from, make, and use (for the limited purposes specified herein) drawings with reference to the following records provided by SWBT to Recipient for inspection: pole and conduit route maps, cable plat maps, and plant location records reflecting approximate locations of SWBT's existing poles, ducts, conduits, and rights-of-way. All such copies, notes, and drawings (whether in hardcopy or electronic form) shall be marked with the legend: **"PROPRIETARY INFORMATION: NOT FOR USE BY OR DISCLOSURE TO ANY PERSON WHO HAS NOT EXECUTED A NONDISCLOSURE AGREEMENT (SWBT POLE, DUCT, CONDUIT, AND RIGHT-OF-WAY)."**

8) No references to cable counts, cable designations or cable-specific information, circuit information, or customer-specific information of any kind may be included in any copies, notes, or drawings made pursuant to 7) above; provided, however, that Recipient may make estimates regarding the physical characteristics (such as size and weight) of the cables being surveyed when necessary to make engineering determinations regarding the capacity, safety, reliability, or suitability of SWBT's poles, ducts, conduits, or rights-of-way for Recipient/Applicant's intended uses.

9) All records and information relating to poles, ducts, conduits, and rights-of-way provided to Recipient/Applicant by SWBT (whether in writing, orally, or in electronic or other formats) shall be deemed to be proprietary information subject to this Agreement without regard to whether such information, at the time of disclosure, has been marked with restrictive notations such as "Proprietary," "Restricted Proprietary," "Confidential," "Not to Be Copied or Reproduced," or the like.

10) This Agreement applies only to records and information provided to Recipient by SWBT and does not apply to records and information obtained by Recipient from other lawful sources.

11) This Agreement does not prohibit the disclosure of records or information in response to subpoenas and/or orders of a governmental agency or court of competent jurisdiction. In the event Recipient receives an agency or court subpoena requiring such disclosure, Recipient shall immediately, and in no event later than five calendar days after receipt, notify SWBT in writing.

12) The Parties agree that, in the event of a breach or threatened breach of this Agreement, SWBT may seek any and all relief available in law or in equity as a remedy for such breach, including but not limited to monetary damages, specific performance, and injunctive relief. The Parties acknowledge that SWBT's records and information relating to poles, ducts, conduits, and rights-of-way include valuable and unique information and that disclosure of such information (including circuit information) will result in irreparable injury to SWBT. In the event of any breach of this Agreement for which legal or equitable relief is sought, SWBT shall be entitled to recover from Recipient all reasonable attorney's fees and other reasonable costs (including but not limited to fees of expert witnesses) incurred by SWBT in connection with the prosecution of its claims against Recipient.

13) This Agreement shall be effective on the effective date shown above and shall remain in full force and effect until terminated by either party as provided herein. Either party may, at any time, with or without cause, terminate this Agreement by giving the other party 60 days' advance written notice of its decision to terminate. The parties further agree that termination of this Agreement shall have no effect on the duty of any person or entity, including Recipient, to abide by all terms of this Agreement with respect to records and information received by Recipient while this Agreement is in effect.

14) This Agreement shall benefit and be binding on the parties below and their respective heirs, successors, and assigns.

15) This Agreement will be governed by the laws of the State of Missouri.

16) This Agreement sets forth the entire agreement and understanding between the parties with respect to the subject matter hereof, and none of the terms of this Agreement may be amended or modified except by written instrument signed by both parties.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, or caused this Agreement to be executed by their duly authorized representatives, in duplicate, as of the dates set forth below.

Recipient (Print or Type Name)

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

By _____
Signature of Recipient or Representative

By _____
Signature

Name (Printed or Typed)

Name (Printed or Typed)

Address

Address

City, State, and Zip Code

City, State, and Zip Code

Phone

Phone

Date

Date

**EXHIBIT VI
NOTICES TO CLEC
(MISSOURI)**

**EXHIBIT VII
NOTICES TO SWBT
(MISSOURI)**

This Exhibit is an integral part of the Master Agreement for Access to Poles, Ducts, Conduits, and Rights-of-Way to which it is attached.

Utility Liaison Supervisor (ULS). Except as otherwise stated in this Exhibit, all notices to SWBT shall be given to the Utility Liaison Supervisor (ULS) designated in EXHIBIT VIII of the Master Agreement. The Utility Liaison Supervisor is generally responsible for coordinating applications for access to SWBT's poles, ducts, conduits, and rights-of-way and serving as CLEC's initial point of contact for matters arising out of or in connection with the administration of the Master Agreement. Notices to the ULS shall be given in writing in the manner prescribed in Section 29.02. Notices to be sent to the ULS include, but are not limited to, notices under the following provisions of the Master Agreement.

- 7.01 Notification of Designation of Primary Point of Contact
- 7.03(a) Notification of intent to review records
- 8.XX All Notifications in Article 8
- 9.XX All Notifications in Article 9
- 10.05(e) Notification Regarding Make-Ready Work
- 12.03(d) Notification of placing J-hook on non-licensed pole
- 12.04 Notification of occupation of maintenance duct for short-term use
- 12.06 Notification of CLEC's maintenance contact
- 13.01 Notification of planned modifications
- 14.02(c) Notification of CLEC's desire to add to or modify its existing attachment
- 15.02(b) Notification of occupation of maintenance duct for short-term emergency use
- 15.03 Notification of emergency repair coordinators
- 16.01 Notification that facilities have been brought into compliance
- 17.02(c) Disclaimer of ownership or responsibility for untagged facilities

- 18.01(a) Notice of intent to remove facilities
- 18.01(e) Notice of intent to terminate license
- 18.06 Notification of SWBT's intent to remove CLEC's facilities
- 20.01(c) Notification of change of bond
- 24.01 Notification of termination
- 24.03 Notification of cure of breach

Other notices. The following notices may be given orally or in writing (including fax) and shall be given to SWBT's Local Service Provider Center (LSPC) at 1-800-486-5598 instead of the ULS.

- 6.05(a) Notifications relating to electrical interference
- 6.09(h) Notifications of unsafe conditions
- 6.11(a) Notification of manhole entry
- 6.13(c) Notification of environmental contaminants
- 10.02(b) Notification of materials required for self-provisioning of inner duct
- 15.04 Notification of conditions requiring emergency repair
- 15.06(a) Notification of performing corrective work on emergency repair.
(advanced notice)
- 15.06(b) Notification of performing corrective work on emergency repair.
(no advanced notice)

Additional information and questions concerning notice requirements. The ULS, as CLEC's initial point of contact, will provide additional information to CLEC concerning notification procedures for notices to be given to LSPC. Questions to SWBT concerning notice requirements should be directed to the ULS. The ULS is not authorized to provide CLEC legal advice with respect to notice requirements. Questions by CLEC's personnel and other persons acting on CLEC's behalf concerning CLEC's legal obligations should be directed to CLEC's legal counsel or such other personnel as CLEC may direct.

Changes in notice requirements. Changes in the notice requirements set forth in this Exhibit may be made by SWBT from time to time in accordance with the provisions of Section 29.03 of the Master Agreement.

**EXHIBIT VIII
IDENTIFICATION OF UTILITY LIAISON SUPERVISOR
(MISSOURI)**

This Exhibit is an integral part of the Master Agreement for Access to Poles, Ducts, Conduits, and Rights-of-Way to which it is attached.

The Utility Liaison Supervisor for Missouri is named below. Notices to the Utility Liaison Supervisor should be addressed as follow:

Name:

Title: Utility Liaison Supervisor

Firm: Southwestern Bell Telephone Company

Address: 12930 Olive Street Road, Floor 2

City/State/Zip Creve Couer, Missouri 63141

ATTACHMENT 14: INTERIM NUMBER PORTABILITY

1.0 Interim Number Portability

1.1 SWBT and CLEC will provide Interim Number Portability in accordance with requirements of the Act. Interim Number Portability (INP) will be provided by each Party to the other upon request. INP will be provided with minimum impairment of functionality, quality, reliability and convenience to subscribers of CLEC or SWBT. The Parties will provide Permanent Number Portability (PNP), in conformance with FCC rules.

2.0 Non-Geographical Numbers

2.1 Neither Party will be required to provide Interim Number Portability for non-geographic services (e.g., 500 and 900 NPAs) or on COPT or SmartCoin lines under this Agreement, unless otherwise ordered by the FCC.

3.0 Availability

3.1 INP will be made available to either Party by the other on a reciprocal basis. INP will be provided through INP-Remote (remote call forwarding or like service) or INP-Direct (direct inward dialing trunks or like service). The requesting Party will specify either INP-Remote, or INP-Direct, on a per telephone number basis, and the providing Party will provide such method to the extent technically feasible.

4.0 INP-Remote

4.1 INP-Remote is a service that uses existing remote call forwarding technology to provide INP by redirecting calls within the telephone network. When INP-Remote is used, calls to the ported number will first route to the original local service provider's switch to which the ported number was assigned. Such Party's switch will then forward the call to the assigned number of the new local service provider's end user customer. When more than a total of 3 paths are required to handle simultaneous calls to the same ported telephone number, the requesting Party will order from the providing Party additional paths.

5.0 INP-Direct

5.1 INP-Direct is an existing service which uses DID or like technology to provide for the delivery of the calling (dialed) number to the requesting Party's switch for subsequent routing and call completion.

5.2 INP-Direct is available either on a per voice grade channel basis or a per DS1 (24 equivalent voice grade channels) basis.

- 5.3 Where the location of the requesting Party's switch is outside the area served by the providing Party's switch, the requesting Party is responsible for providing appropriate transport facilities.
- 5.4 INP-Direct must be established with a minimum configuration of 2 voice grade channels and one unassigned telephone number per switch. INP-Direct may not be mixed with any other type of trunk group. Outgoing calls may not be placed over trunk groups arranged for INP-Direct service.
- 6.0 Other Interim Portability Provisions**
- 6.1 Either Party will exchange with the other SS7 TCAP messages as required for the implementation of Customer Local Area Signaling Services (CLASS) or other features available.
- 6.2 Either Party will notify the other of any technical or capacity limitations that would prevent use of a requested INP implementation in a particular switching office.
- 6.3 SWBT will cooperate with CLEC to ensure 911 service is fully available to ported end users consistent with state provisions. CLEC will have the right to verify the accuracy of the information regarding the CLEC customer in the ALI database.
- 6.4 Either Party will pass all Calling Party Number (CPN) or Automatic Number Identification (ANI) information to and from the ported number, whenever technically feasible.
- 6.5 SWBT will provide CLEC with interfaces that allow CLEC to access SWBT's Line Information Database (LIDB) service management system (SMS). These interfaces will allow CLEC to create, modify, and delete CLEC line records for ported numbers. SWBT will provide interfaces to the LIDB SMS to accomplish this function as set forth in Attachment 7, Section 1.7.1.1. If there is no change to the customer's existing LIDB functionality (e.g., collect/third party call blocking) SWBT should not remove the existing customer data. SWBT also will not delete the Directory Listings database information associated with the customer unless requested by CLEC. SWBT will use a mechanized process to ensure that SWBT's LIDB information for the end user is not deleted during the process of converting that customer to service provided by a CLEC through INP. In addition, for directory listings, when CLEC submits local service requests (LSRs) for UNE loop and port combinations "as specified" or for "stand alone" UNE switch ports, CLEC will have the option of whether to populate the LSR Directory Listing ("DL") Form. Under these circumstances, SWBT will treat non-submission of the DL form as an instruction to SWBT that CLEC's end-user listing(s) is to remain the same as the listing(s) currently appears in SWBT's directory listing databases.
- 6.6 SWBT agrees not to issue Telephone Line Number (TLN) based calling card numbers when a customer ports their number to CLEC.

6.7 SWBT and CLEC will cooperate in all service cutovers involving the other Party's service, to avoid unnecessary service outages.

6.8 Each Party will provide competitively neutral cost recovery as defined by the Commission which reflects the FCC NP Order.

7.0 Route Index Methods of INP

7.1 SWBT will provide, where LNP is not available, either or both Route Index Portability Hub (RI-PH) or Directory Number-Route Index (DN-RI) INP methods to any CLEC who requests them, subject to the requesting CLEC(s) paying reasonable developmental and implementation cost.

8.0 NXX Migration (LERG Reassignment)

8.1 Where a Party has activated more than half of an NXX and the remaining numbers in that NXX are either unassigned or reserved for future use, at the request of that Party it may elect to employ NXX Migration. NXX Migration will be provided by utilizing reassignment of the NXX to the requesting Party through the Local Exchange Routing Guide (LERG). When NXX migration is used as an INP solution, each party shall absorb its own costs.

9.0 Cutover Process

9.1 For a Coordinated Cutover Environment (where the loop is being purchased by CLEC as an unbundled Network Element at the time of INP implementation), SWBT will update switch translations where necessary as close to the requested time as possible, not to exceed 30 minutes after the physical cutover is completed.

9.2 For a Non-Coordinated Cutover Environment (where the loop is supplied by CLEC) SWBT will schedule a mechanized update of switch translations at the CLEC requested cutover time (frame due time). SWBT will provide an operation contact whom CLEC can reach in the event manual intervention is needed to complete the cutover. In the event of manual intervention, completion will be negotiated by the parties.

10.0 Testing

10.1 SWBT and CLEC will cooperate in conducting testing to ensure interconnectivity between systems. The Parties will inform each other of any system updates that may affect either Party's network and will perform tests to validate the operation of the network.

11.0 Recording and Billing

11.1 The Parties will provide to each other the Exchange Message Records (EMR) for all alternately billed calls.

11.2 The Parties will supply each other with originating billing records which will enable them to bill each other or any other LSP for any local interconnection charge.

12.0 Line Status Verification/Busy Line Verify

12.1 When a Line Status Verification or Busy Line Interrupt request for a ported number is directed to either Party's operator and the query is not successful if the operator is aware that the number is a ported number, then the operator will direct the caller to the appropriate operator.

13.0 Pricing

13.1 SWBT and CLEC will absorb their own costs of providing INP. Because all parties will be absorbing their own costs, the charges listed below are zero.

INP Remote:

Per line	None
Add'l Path	None

INP Direct:

Number	None
Trunk Termination	None
D4 Channel Bank	None
DID Nonrecurring per #	None
DID Nonrecurring Transport per MOU	None

14.0 Additional INP Commitments

14.1 SWBT agrees to provide information on its internet website relating to conversions from INP to LNP as well as host forums with CLEC customers to discuss number portability issues.

**APPENDIX LOCATION ROUTING NUMBER –
PERMANENT NUMBER PORTABILITY**

1.0 Provision of Local Number Portability

- 1.1 SWBT and CLEC shall provide, number portability in accordance with requirements of the Act.
- 1.2 Location Routing Number - Permanent Number Portability (LRN-PNP)
 - 1.2.1 SWBT and CLEC shall work to implement the LRN-PNP solution in accordance with the relevant FCC rulings, NANC (North American Numbering Council) guidelines specified in Section 2.2 of this Attachment. SWBT and CLEC shall also work to implement the guidelines of the Op WestRegion Steering Committee and Network Operations Team agreed to in writing by SWBT and CLEC.
 - 1.2.2 SWBT and CLEC shall implement number portability in an end office upon the written request of the other Party in accordance with FCC timelines.

2.0 Requirements for LRN-PNP

- 2.1 The parties shall adhere to the generic requirements for LRN-PNP as specified in the following publications and FCC Orders:
 - 2.1.1 Generic Switching and Signaling Requirements for Number Portability, Issue 1.05, August 1, 1997 [Editor - Lucent Technologies, Inc.];
 - 2.1.2 Generic Requirements for SCP Application and GTT Function for Number Portability, Issue 0.99, Final Draft, January 6, 1997 [Editor - Ameritech Inc.];
 - 2.1.3 Generic Operator Services Switching Requirements for Number Portability, Issue 1.1, June 20, 1996 [Editor - Nortel];
 - 2.1.4 FCC First Report and Order and Further Notice of Proposed Rulemaking; FCC 96-286; CC Docket 95-116, RM 8535; Adopted: June 27, 1996; Released: July 2, 1996;
 - 2.1.5 FCC First Memorandum Opinion And Order On Reconsideration; FCC 97-74, CC Docket No. 95-116, RM-8535; Adopted: March 6, 1997; Released: March 11, 1997;
 - 2.1.6 FCC Second Report and Order, FCC 97-298, CC Docket No. 95-116, RM 8535, Adopted August 14, 1997, Released August 18, 1997; and
 - 2.1.7 North American Number Council Report from the LNP Administration Selection Working Group, April 25, 1997.
- 2.2 LRN-PNP employs an "N-1" Query Methodology.

- 2.2.1 For interLATA or intraLATA toll calls, the originating carrier will pass the call to the appropriate toll carrier who will perform a query to an external routing database and efficiently route the call to the appropriate terminating local carrier either directly or through an access tandem office. Where one carrier is the originating local service provider (LSP) and the other is the designated toll carrier, the originating LSP will not query toll calls delivered to the toll carrier or charge the toll carrier for such queries.
- 2.2.2 For a local call to a ported number, the originating carrier is the "N-1" carrier. It will perform an external database query and pass the call to the appropriate terminating carrier.
- 2.2.3 For local calls to an NXX in which at least one number has been ported via LRN-PNP at the request of a CLEC, the Party that owns the originating switch shall query an LRN-PNP database as soon as the call reaches the first LRN-PNP-capable switch in the call path. The Party that owns the originating switch shall query on a local call to an NXX in which at least one number has been ported via LRN-PNP prior to any attempts to route the call to any other switch. Prior to the first number in an NXX being ported via LRN-PNP at the request of a CLEC, SWBT may query all calls directed to that NXX, subject to the billing provisions of Section 4.1, and provided that SWBT's queries shall not adversely affect the quality of service to CLEC's customers or end-users as compared to the service SWBT provides its own customers and end-users.
- 2.2.4 A Party shall be charged for an LRN-PNP query by the other Party only if the Party to be charged is the N-1 carrier and it was obligated to perform the LRN-PNP query but failed to do so. The only exception will be if the FCC rules (Docket No. 95-116) that the terminating carrier may charge the N-1 carrier for queries initiated before the first number is ported in an NXX.
- 2.2.5 On calls originating from a Party's network, the Party will populate, if technically feasible, the Jurisdiction Information Parameter (JIP) with the first six digits of the originating LRN in the Initial Address Message.

2.3 SMS Administration

SWBT and CLEC shall cooperate to facilitate the expeditious deployment of LRN-PNP based LNP through the process prescribed in the documents referenced in Section 2.1.1 of this Attachment including, but not limited to development of SMS, as well as SMS testing for effective procedures, electronic system interfaces, and overall readiness for use consistent with that specified for Provisioning in this Agreement.

2.4 Ordering

- 2.4.1 Porting of numbers with PNP will be initiated via Local Service Requests (LSR) based on Ordering and Billing Forum (OBF) recommendations. SWBT and CLEC will agree on all of the details of the interface, format and processing of LSRs no later than 180 days prior to the first implementation of PNP in the state shown on the face of this agreement or the date on which the transition window is considered to be opened pursuant to Section 3.2.2 of this Attachment, whichever date is earlier. If the Parties have not agreed on all of the details of the interface, format and processing of LSRs to both Parties' satisfaction within such time period, either Party may submit any disputed issues to the Alternative Dispute Resolution process set forth in Attachment 1 of this Agreement.
- 2.4.2 When an LSR is sent to one Party by the other Party to initiate porting via LRN-PNP, the receiving Party shall return, at the appropriate time, a Firm Order Confirmation (FOC).
- 2.4.3 For the purposes of this Attachment, the parties may use a project management approach for the implementation of LSRs for large quantities of ported numbers or for complex porting processes. With regard to such managed projects ("projects"), the parties may negotiate implementation details such as, but not limited to: Due Date, Cutover Intervals and Times, Coordination of Technical Resources, and Completion Notice.

3.0 Requirements for PNP

3.1 Cut-Over Process

- 3.1.1 SWBT and CLEC shall cooperate in the process of porting numbers to minimize ported subscriber out-of-service time. For cutover to LRN-PNP, both SWBT and CLEC agree to update their switch translations, where necessary, after notification that physical cut-over has been completed (or initiated), as close to the requested time as possible, not to exceed 59 minutes for non-coordinated orders or as otherwise agreed to by the parties for coordinated orders or on a project specific basis.
- 3.1.2 SWBT and CLEC shall cooperate in the process of porting numbers from one carrier to another so as to limit service outage for the ported subscriber. SWBT and CLEC will use their best efforts to update their respective Local Service Management Systems (LSMS) from the NPAC SMS data within 15 minutes after receipt of a download from the NPAC SMS (the current North American Numbering Council goal for such updating).
- 3.1.3 At the time of porting a number via LRN-PNP, the Party from which the number is being ported shall insure that the LIDB entry for that number is deprovisioned.
- 3.1.4 The Parties will remove (as close to the requested time as possible, not to exceed 59 minutes for non-coordinated orders or as otherwise agreed to by the parties for coordinated orders or on a project specific basis.) a ported number from the end office from which the number is being ported, as coordinated by the Parties' respective technicians. The 59 minute period shall commence upon the Frame Due Time (FDT) shown on the receiving party's LSR, or

as otherwise negotiated by the parties on a project basis, unless the unconditional PNP (10-digit) trigger is set. The parties recognize that it is in the best interest of the consumer for this removal to be completed in the most expedient manner possible. Therefore, SWBT and CLEC agree that a 30 minute interval is a goal towards which both companies will work, however both CLEC and SWBT recognize that there will be instances where the interval may be up to 59 minutes. If the unconditional PNP trigger is set, the ported number must be removed at the same time that the unconditional PNP trigger is removed.

- 3.1.5 The Party from whom a number is porting will set the unconditional LRN-PNP trigger at the other Party's request, either on an individual customer basis or for all customers, at the option of the requesting Party.

3.2 Transition from INP to LRN-PNP

- 3.2.1 Transition from INP to LRN-PNP will be initiated for all ported telephone numbers by an LSR from the recipient (ported-to) service provider to the donor (ported-from) service provider. A single LSR shall be used to both disconnect INP and to effect LRN-PNP for any one customer.

- 3.2.2 The Party to which a number is being ported via LRN-PNP shall issue an LSR within 90 days following the opening of the transition window to complete transition. The transition window is considered to be opened when all of the following have been completed:

- 3.2.2.1 the LRN-PNP capabilities in the end office from which the number has been ported from are active;
- 3.2.2.2 the ported number NPA-NXX is open to portability in the NPAC SMS; and
- 3.2.2.3 the LRN-PNP electronic or manual LSR interface between CLEC and SWBT is agreed upon by the Parties and operational; and
- 3.2.2.4 LRN-PNP testing is complete.

- 3.2.3 The Parties will remove (as close to the requested time as possible, not to exceed 59 minutes for non-coordinated orders or as otherwise agreed to by the parties for coordinated orders or on a project specific basis) a ported number from the end office from which the number is being ported, as coordinated by the Parties' respective technicians. However, when the unconditional PNP (10-digit) trigger is not set (e.g., coordinated cuts), the Party from which the number is being ported will remove the ported number or INP translations per the porting Party's initially requested FDT unless the porting Party notifies the other Party of a database problem or request to change the FDT. The 59 minute period shall commence upon the Frame Due Time (FDT) shown on the receiving party's LSR, or as otherwise negotiated by the parties on a project basis, unless the unconditional PNP (10-digit) trigger is set. The parties recognize that it is in the best interest of the consumer for this removal to be completed in the most expedient manner possible. Therefore, SWBT and CLEC agree that

a 30 minute interval is a goal towards which both companies will work, however both CLEC and SWBT recognize that there will be instances where the interval may be up to 59 minutes.

3.2.4 SWBT shall discontinue charges, if any, for INP as of the day on which the NPAC SMS download of the ported number was sent by the NPAC.

3.2.5 After a ported number transitions from INP to LRN-PNP, interexchange (toll) calls to a number ported to CLEC will be routed to CLEC as described in Attachment 11, Appendix ITR.

3.3 Testing

3.3.1 If INP testing is in progress in an end office that has converted from INP to LRN-PNP, both SWBT and CLEC shall complete INP testing if either Party requests that such testing be complete.

3.3.2 When transition from INP to LRN-PNP in an end office occurs, the Party from whom a number has been ported shall launch test calls to ensure correct LRN-PNP routing at the request of the other Party.

3.4 Excluded Numbers

3.4.1 Neither Party shall be required to provide number portability for excluded numbers (e.g., 500 and 900 NPAs, 950 NXX number services, and others as excluded by FCC rulings issued from time to time) under this Agreement.

3.5 Mass Calling

3.5.1 Both SWBT and CLEC are required to offer number portability of telephone numbers with "choke" (i.e., mass calling) NXXs in a manner that complies with the FCC's criteria.

3.6 Operator Services, LIDB/LVAS and Directory Assistance

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

3.6.2 If Integrated Services Digital Network User Part (ISUP) signaling is used, SWBT shall provide, if technically feasible, the Jurisdiction Information Parameter (JIP) in the SS7 Initial Address Message (IAM). (See Generic Switching and Signaling Requirements for Number Portability, Issue 1.0, February 12, 1996 [Editor - Lucent Technologies, Inc.])

3.7 Porting of DID Block Numbers

3.7.1 SWBT and CLEC shall offer number portability to customers for any portion of an existing DID block without being required to port the entire block of DID numbers.

3.7.2 SWBT and CLEC shall permit customers who port a portion of DID numbers to retain DID service on the remaining portion of the DID numbers, provided such is consistent with applicable tariffs; provided that the parties agree that nothing herein shall be deemed a waiver or estoppel of CLEC's positions that: (1) SWBT should permit customers who port a portion of a DID block to retain DID service on the remaining portion of the DID block; and (2) that SWBT should offer customers who port a portion of a DID block a discount that is proportional to the amount of the DID block that has been ported, nor shall CLEC be prejudiced in any present or future proceedings from asserting said positions.

4.0 Pricing

4.1 Prices associated with queries will be as shown in SWBT's FCC No. 73 Access Services Tariff, Section 34.

ATTACHMENT 15: E911**TERMS AND CONDITIONS FOR PROVIDING CONNECTION
TO E911 UNIVERSAL EMERGENCY NUMBER SERVICE**

This Attachment 15: E911 sets forth the terms and conditions under which SWBT will provide the connection between CLEC's local switch and E911 Universal Emergency Number Service.

1.0 Definitions

As used herein and for the purposes of this Attachment the following terms will have the meanings set forth below:

- 1.1 **E911 Universal Emergency Number Service** (also referred to as Expanded 911 Service or Enhanced 911 Service) - A telephone exchange communication service whereby a public safety answering point (PSAP) designated by the E911 customer may receive and answer telephone calls placed by dialing number 911. E911 includes the service provided by the lines and equipment associated with the service arrangement for the answering, transferring, and dispatching of public emergency telephone calls dialed to 911.
- 1.2 **E911 Universal Emergency Number Service Customer** - A municipality or other state or local governmental unit, or an authorized agent of one or more municipalities or other state or local government units to whom authority has been lawfully delegated to respond to public emergency telephone calls, at the minimum, for emergency, police and fire service through the use of one telephone number, 911.
- 1.3 **Public Safety Answering Point (PSAP)** - An answering location for 911 calls originating in a given area. The E911 customer may designate a PSAP as primary or secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first, secondary PSAPs receive calls on a transfer basis only. PSAPs are public safety agencies such as police, fire, emergency medical, etc., or a common bureau serving a group of such entities.
- 1.4 **Centralized Automatic Message Accounting (CAMA) Trunk** - A trunk capable of transmitting Automatic Number Identification associated with E911 customer calls from a switch to the E911 Network.
- 1.5 **Automatic Number Identification (ANI)** - A feature that automatically forwards the telephone number of the calling party to the E911 Control Office from which it is switched to the PSAP and is displayed at an attendant position console.
- 1.6 **Automatic Location Identification (ALI)** - A feature that forwards the name, street address, class of service, and other pre-determined information associated with the calling party's telephone number (identified by ANI) to the PSAP for display.

- 1.7 **Selective Routing (SR)** - A feature that provides the capability to selectively route a 911 call to the designated primary PSAP based upon the identified number of the calling party.
- 1.8 **Database Management System (DBMS)** - A system of manual procedures and computer programs used to create, store and update the data required for the SR and ALI service features and database of E911 service.
- 1.9 **ALI Database** - A database which stores information associated with end user customers' telephone numbers.
- 2.0 **Responsibilities**
- 2.1 SWBT will provide and maintain equipment at the E911 Control Office and the DBMS as is necessary to perform the E911 services set forth herein. SWBT will also be responsible for the following:
 - 2.1.1 When requested by CLEC, transporting the E911 calls from the interconnection point with CLEC facilities connecting CLEC's switches to the Control Offices of the E911 System. The CLEC switches will be listed in the form attached hereto as Addendum I as the CLEC switches are deployed.
 - 2.1.2 Switching the E911 calls through the E911 Control Office to the designated primary PSAP or to designated alternate locations, according to routing criteria specified by the E911 customer;
 - 2.1.3 Storing the names, addresses, and associated telephone numbers from CLEC's exchanges in the electronic data processing database for the E911 DBMS. (CLEC is responsible for downloading and updating this information);
 - 2.1.4 Transmission of the ANI and ALI information associated with CLEC's end users accessing E911 service to the PSAP for display at an attendant position console.
- 2.2 SWBT will provide and maintain sufficient dedicated E911 circuits, in accordance with the provisions of the E911 tariff and specifications of the E911 customer.
- 2.3 SWBT will provide CLEC with a description of the geographic area and PSAPs served by the E911 Control Office(s) according to industry standards for E911 information sharing.
- 2.4 SWBT will provide CLEC with a file containing the Master Street Address Guide (MSAG) for the exchanges or communities specified in Addendum I, in accordance with the methods and procedures described in the document "Operating Methods for Downloading and Maintaining End User Records in SWBT's DBMS" (dated November 1996), and as subsequently modified consistent with industry standards. SWBT will provide CLEC additional files with the entire MSAG, including subsequent additions or updates to the

MSAG in accordance with the intervals specified in Addendum I. In addition, SWBT will provide CLEC with a statistical report in a timely fashion and in accordance with the methods and procedures described in the above mentioned document for each file downloaded by CLEC to SWBT's DBMS, so that CLEC may ensure the accuracy of the end user records.

- 2.5 At a reasonable time prior to establishment of E911 service, CLEC will download and maintain thereafter all information required by SWBT to establish records necessary for furnishing connection to E911 service and will promptly notify SWBT in writing of any changes to be made in such records. CLEC will adopt and comply with operating methods applicable to downloading and maintaining CLEC's end user records in SWBT's DBMS, as set forth in the document referenced in Section 2.4, above.
- 2.6 CLEC acknowledges that its end users in a single local calling scope may be served by different PSAPs. CLEC will be responsible for providing facilities to route calls from its end users to the proper E911 Control Office.
- 2.7 At a reasonable time prior to establishment of E911 service, CLEC will populate E911 databases using the NENA Version 2 record format, as adapted in the document referenced in Section 2.4 above.
- 2.8 During the period when interim number portability is utilized, SWBT and CLEC will coordinate their databases to provide for the display of ported numbers at the PSAP as part of the ALI screen display, subject to PSAP capability.

3.0 Methods and Practices

- 3.1 With respect to all matters covered by this Attachment, each Party will adopt and comply with standard industry operating methods and practices and will observe the terms and conditions of SWBT's tariffs, and the rules and regulations of the FCC and the Public Service Commission of Missouri that apply to the provision of E911 Service.

4.0 Contingency

- 4.1 The Parties agree that the E911 service is provided for the use of the E911 customer, and recognize the authority of the E911 customer to establish service specifications and grant final approval (or denial) of service configurations offered by SWBT and CLEC. The terms and conditions of this Attachment represent a negotiated plan for providing E911 service, for which CLEC must obtain documentation of the E911 customer's approval. CLEC will provide such documentation to SWBT prior to use of CLEC's E911 connection for actual emergency calls.
- 4.2 The Parties designate the following representatives who shall have the authority to execute additional Addenda I to this Attachment when necessary to accommodate expansion of

CLEC's geographic area into the jurisdiction of additional PSAPs or to increase the number of CAMA trunks:

SWBT representative:

Account Manager
4 Bell Plaza, 7th Flr
311 S. Akard St.
Dallas, TX 75202-5398

CLEC representative:

Vice President, National Carrier and Contract Management
MCImetro Access Transmission Services, LLC
2520 Northwinds Parkway
Alpharetta, GA 30004
770-625-6869

- 4.2.1 Either Party may unilaterally change its designated representative and/or address, telephone contact number or facsimile number for the receipt of notices by giving seven (7) days prior written notice to the other Party in compliance with this Section. Any notice or other communication will be deemed given when received.
- 4.3 The terms and conditions of this Attachment are subject to renegotiation in the event that the E911 customer orders changes to the E911 service that necessitate revision of this Attachment.
- 5.0 Basis of Compensation**
- 5.1 Compensation to SWBT for provision of connection to E911 service provided hereunder will be based upon the charges set forth in Addendum II, Basis Of Compensation, and applied as specified in Addendum I.
- 5.2 For computation in Addendum II, during the initial year that SWBT provides CLEC connection to E911 service, the number of lines (business and consumer) as shown in Addendum I will be counted on January 1, April 1, July 1, and October 1 (or the first day of service, with proration of the first months charges) and the number will be used in computing compensation for the corresponding quarter. At the end of the first full year of service, a new count of lines will be made and it will be used until the succeeding December 31. For each succeeding year, a new count of lines, as of the first day of January, will be used in the computation of compensation under this Attachment for that year. Each count of lines will be rounded to the nearest thousand for compensation purposes.
- 5.3 Charges will begin on the date connection to E911 service commences.

6.0 Monthly Billing

6.1 SWBT will render to CLEC monthly statements in advance, showing the amounts determined as provided in Section 5.0 above, and CLEC will make payment in full within thirty (30) days from the date of the bill.

7.0 Indemnification

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

Addendum I to Attachment 15: E911

LSP SERVING AREA DESCRIPTION AND E911 INTERCONNECTION DETAILS				
LSP NAME & CONTACTS	LSP "OCN"	LSP Switch	Switch Type	LSP NPA/NXX(s) included
E911 Coordinator				
	LSP Telco ID		CLLI Code	
			"Connect Signal" Digits ⁽⁴⁾	
911 Database Manager	LSP Service Area Definition		1-1	
			ETST Code	# 911 Trunks Requested
Switch Site Contact			"Default" PSAP	Requested Service Date
SWBT E911 SYSTEM CONFIGURATION ASSOCIATED WITH DESIGNATED E911 CONTROL OFFICE				
E911 CONTROL OFFICE: CLLI Code:		EXCHANGES FOR MSAG PULL ⁽¹⁾	PSAPs INCLUDED	E911 CUSTOMER and AGENCY TYPE <small>(see legend below)</small>
E911 Features Required:				
# of 911 Trunks from LSP:				
MSAG Update Interval:	Monthly			
FOOTNOTES: (1)	MSAG pull is keyed to these exchanges, and will only contain addresses in SWB's service area.			
(2)	n/a			
(3)	Only areas within the listed exchanges and also within the jurisdiction of this PSAP are included. The remainder of the PSAP's jurisdiction is not included.			
(4)	Refer to network interface specifications in Exhibit III.			
"TYPE OF AGENCY" LEGEND:				
HRC	= Home Rule City			
ECD	= Emergency Communications District			
COG	= Council of Governments or Regional Planning Commission			
GLC	= General Law City			
Cnty	= County with special provisions			
				Date Prepared

ADDENDUM II
BASIS OF COMPENSATION

This Addendum II is attached to and made a part of Attachment 15: E911.

A. The following compensation amounts will be due SWBT for the provision of services under the above-mentioned Attachment for CLEC exchanges and the feature configurations shown in Addendum I.

<u>E911 Feature Configuration</u>	<u>Monthly Charge Per 1000 Access Lines</u>	<u>Nonrecurring Charge Per 1000 Access Lines</u>
Automatic Number Identification		
- SWBT PSAP	\$10.00	\$80.00
- non-SWBT PSAP	\$10.00	\$80.00
Combined Automatic Number Identification and Selective Routing		
- SWBT PSAP	\$51.60	\$85.00
- non-SWBT PSAP	\$51.60	\$85.00
Combined Automatic Number and Automatic Location Identification		
- SWBT PSAP	\$83.60	\$85.00
- non-SWBT PSAP	\$83.60	\$85.00
Combined Automatic Number, Automatic Location Identification, And Selective Routing		
- SWBT PSAP	\$83.60	\$85.00
- non-SWBT PSAP	\$83.60	\$85.00

B. The following trunk charges will be paid to SWBT for each E911 control office to which CLEC connects.

<u>Trunk Charge Channel (Each)</u>	<u>Monthly Recurring</u>	<u>Nonrecurring</u>
	\$85.00 per trunk	\$170.00 per trunk

ATTACHMENT 16: NETWORK SECURITY AND LAW ENFORCEMENT

This Attachment 16: Network Security and Law Enforcement to the Agreement sets forth terms and conditions concerning certain Network Security and Law Enforcement requirements.

1.0 Protection of Service and Property

- 1.1 The Parties will exercise due care to prevent harm or damage to their respective employees, agents or customers, or their property. The Parties' employees, agents, or representatives agree to take reasonable and prudent steps to ensure the adequate protection of their respective property and services. In recognition of its obligation under this attachment, SWBT agrees to take the following reasonable and prudent steps, including but not limited to:
 - 1.2 Restricting access to CLEC equipment, support equipment, systems, tools and data, or spaces which contain or house CLEC equipment to the extent SWBT provides this protection to its own facilities. SWBT will provide access to CLEC employees and its agents based on CLEC providing a list of authorized personnel. If escorted, CLEC employees and authorized agents must present identification required by SWBT.
 - 1.3 SWBT will follow mutually agreed upon notification procedures in the event it becomes necessary for a SWBT employee to enter into the exclusive CLEC collocated space.
 - 1.4 Complying at all times with mutually agreed to CLEC security and safety procedures and requirements, including but not limited to sign in, identification, and escort requirements while in spaces which house or contain CLEC equipment or equipment enclosures.
 - 1.5 Allowing CLEC to inspect or observe spaces which house or contain CLEC equipment or equipment enclosures after such time as SWBT has turned over the collocation area to CLEC and to furnish CLEC with all keys, entry codes, lock combinations, or other materials or information which may be needed to gain entry into any secured CLEC space.
 - 1.6 Provide card access, coded locks or keyed locks providing security to the exclusive CLEC collocated space that is unique to that space.
 - 1.7 Ensuring that the area which houses CLEC's equipment is adequately secured to prevent unauthorized entry to the same level as SWBT provides to itself.
 - 1.8 Limiting the keys used in SWBT's keying systems for cages which contain or house CLEC equipment or equipment enclosures to its employees for required access only. Any access required other than emergency will be coordinated with CLEC to allow escort opportunity. SWBT will change locks at CLEC's request and expense where a security breach is known or suspected and the breach is not caused by SWBT.

- 1.9 Where CLEC requests these specifications and is amenable to funding said custom work, installing security studs in the hinge plates of doors having exposed hinges with removable pins if such leads to spaces which contain or house CLEC equipment or equipment enclosures.
 - 1.10 Controlling unauthorized access from passenger and freight elevators by continuous surveillance or by installing security partitions, security grills, locked gates or doors between elevator lobbies and spaces which contain or house CLEC equipment or equipment enclosures.
 - 1.11 Providing prompt notification to designated CLEC personnel to indicate an actual or attempted security breach of which SWBT is aware.
 - 1.12 CLEC and SWBT further agree to:
 - 1.12.1 Providing a mutually acceptable back-up and recovery plan to be used in the event of a security system failure or emergency.
 - 1.12.2 Installing Controls:
 - to disconnect a user for a pre-determined period of inactivity on authorized ports;
 - to protect customer proprietary information; and,
 - to databases to ensure both ongoing operational and update integrity.
 - 1.12.3 Logical Security
 - assuring that all approved system and modem access be secured through security servers. Access to or connection with a network element will be established through a secure network or security gateway.
 - agreeing to comply with AT&T Corporate Security Instruction 3.03 "Computer Security Requirements," March 1993, and AT&T Network Security Requirements 4.0, March 1996.
- 2.0 Revenue Protection**
- 2.1 SWBT will make available to CLEC to the extent that SWBT provides to itself or any LSP all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality embedded within any of the network elements. These features include, but are not limited to, screening codes and call blocking of international, and 900 numbers.
 - 2.2 SWBT will provide to CLEC the same procedures to detect and correct the accidental or malicious alteration of software underlying Network Elements or their subtending operational support systems by unauthorized third parties in the same manner it does so for itself.

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

3.0 Law Enforcement Interface

3.1 SWBT will provide five (5) day a week 8:00 a.m. to 5:00 p.m. installation and information retrieval pertaining to lawful, manual traps and information retrieval on customer invoked CLASS services pertaining to non-emergency calls such as annoyance calls. SWBT will provide assistance twenty-four (24) hours per day for situations involving immediate threat to life or at the request of law enforcement officials. SWBT will provide a twenty-four (24) hour contact number to administer this process.

ATTACHMENT 17 : PERFORMANCE REMEDY PLAN

This Attachment 17: Performance Remedy Plan sets forth the terms and conditions under which SWBT will report performance to CLEC and compare that performance to SWBT's own performance or benchmark criteria, whichever is applicable. This Attachment further provides for enforcement through liquidated damages and assessments.

- 1.0** SWBT agrees to provide CLEC a monthly report of performance for the performance measures listed in Appendix 1. SWBT will collect, analyze, and report performance data for these measures in accordance with SWBT's Performance Measurement Business Rules. Both the performance measures and the business rules are subject to modification in accordance with section 6.4 below regarding six month reviews. SWBT and CLEC further agree to use this two-tiered enforcement structure for performance measurements provided for in this Attachment. The Commission approved performance measurements shown in Appendix 1 hereto identify the measurements that belong to Tier 1 or Tier 2 categories, which are further identified as the High, Medium, and Low groups as those terms are used below.
- 1.1** SWBT will not levy a separate charge for provision of the data to CLEC called for under this Attachment. Upon CLEC's request, data files of CLEC's raw data, or any subset thereof, will be transmitted to CLEC. If CLEC's request is transmitted to SWBT on or before the last day of the month for which data is sought, SWBT shall provide the data to CLEC on or before 20th day of the month pursuant to mutually acceptable format, protocol, and transmission media. If CLEC's request is transmitted to SWBT after the last day of the month for which data is sought, SWBT shall provide the data to CLEC within 20 days of receipt pursuant to mutually acceptable format, protocol, and transmission media. Notwithstanding other provisions of this Agreement, the Parties agree that such records will be deemed Proprietary Information.
- 2.0** SWBT and CLEC agree to use a statistical test, namely the modified Z-test, for evaluating the difference between two means (SWBT and CLEC) or percentages, or the difference in the two proportions for purposes of this Attachment. SWBT agrees to use the modified Z-tests as outlined below as the statistical tests for the determination of parity when the result for SWBT and the CLEC are compared. The modified Z-tests are applicable if the number of data points are greater than 30 for a given measurement. In cases where benchmarks are established, the determination of compliance is through the comparison of the measured performance delivered to the CLEC and the applicable benchmark. For testing compliance for measures for which the number of data points are 29 or less, the permutation tests as outlined below may be used.
- 3.0** SWBT and CLEC concur that, for purposes of this Attachment, performance for the CLEC on a particular measure will be considered in compliance with the parity requirement when the measured results in a single month (whether in the form of means, percents, or proportions) for the same measurement, at equivalent disaggregation, for both SWBT and CLEC are used to calculate a Z-test statistic and the resulting value is no greater than the critical Z-value as reflected in the critical Z-statistic table shown below.

Z-Test

SWBT agrees with the following formulae for determining parity using Z-Test:

For measurement results that are expressed as averages or means

$$Z = (\text{DIFF}) / \delta_{\text{DIFF}}$$

- Where
- DIFF = $M_{\text{ILEC}} - M_{\text{CLEC}}$
 - M_{ILEC} = ILEC average
 - M_{CLEC} = CLEC average
 - δ_{DIFF} = $\text{SQRT} [\delta^2_{\text{ILEC}} (1 / n_{\text{CLEC}} + 1 / n_{\text{ILEC}})]$
 - δ^2_{ILEC} = Calculated variance for ILEC
 - n_{ILEC} = number of observations or samples used in ILEC measurement
 - n_{CLEC} = number of observations or samples used in CLEC measurement

For measurement results that are expressed as percentages or proportions that meet the following criteria:

$$\begin{aligned} n_{\text{ILEC}} * P_{\text{ILEC}} &> 5 \\ n_{\text{CLEC}} * P_{\text{CLEC}} &> 5 \\ n_{\text{ILEC}} * (1 - P_{\text{ILEC}}) &> 5 \\ n_{\text{CLEC}} * (1 - P_{\text{CLEC}}) &> 5 \end{aligned}$$

Step 1

$$\rho = \frac{(n_{\text{ILEC}} P_{\text{ILEC}} + n_{\text{CLEC}} P_{\text{CLEC}})}{n_{\text{ILEC}} + n_{\text{CLEC}}}$$

Step 2

$$\sigma_{P_{\text{ILEC}} - P_{\text{CLEC}}} = \text{SQRT} [[\rho(1-\rho)] / n_{\text{ILEC}} + [\rho(1-\rho)] / n_{\text{CLEC}}]$$

Step 3

$$Z = (P_{\text{ILEC}} - P_{\text{CLEC}}) / \sigma_{P_{\text{ILEC}} - P_{\text{CLEC}}}$$

- Where
- n = number of observations
 - P = percentage or proportion

If the above conditions are not met, the Fisher's exact test (permutation test for percentages) will be used. The following calculation will be used:

Define N_C = CLEC sample
 N_S = SWBT sample
 F_C = CLEC failures
 F_S = SWBT failures
 $U = N_C + N_S$
 $F = F_C + F_S$

Calculate

p = probability that the CLEC received the observed service or worse

$$P = \frac{\sum_{x=F_C}^{x=\min(F_C, N_C)} \binom{F}{x} \binom{U-F}{N_C-x}}{\binom{U}{N_C}}$$

The value of P can be converted to an equivalent critical value using the standard normal Z-tables or the appropriate t-table.

For Measurement results that are expressed as rates or ratio

$$Z = (\text{DIFF}) / \delta_{\text{DIFF}}$$

Where $\text{DIFF} = R_{\text{ILEC}} - R_{\text{CLEC}}$
 $R_{\text{ILEC}} = \text{num}_{\text{ILEC}} / \text{denom}_{\text{ILEC}}$
 $R_{\text{CLEC}} = \text{num}_{\text{CLEC}} / \text{denom}_{\text{CLEC}}$

$$R_{\text{pool}} = (\text{Num}_{\text{ILEC}} + \text{num}_{\text{CLEC}}) / (\text{denom}_{\text{ILEC}} + \text{denom}_{\text{CLEC}})$$

$$\delta_{\text{DIFF}} = \text{SQRT} [R_{\text{POOL}} (1/\text{denom}_{\text{CLEC}} + 1/\text{denom}_{\text{ILEC}})]$$

4.0 Qualifications to use Z-Test

The proposed Z- tests are applicable to reported measurements that contain 30 or more data points.

In calculating the difference between the performances the formula proposed above applies when a larger CLEC value indicates a higher quality of performance. In cases where a smaller CLEC value indicates a higher quality of performance the order of subtraction should be reversed (i.e., $M_{CLEC} - M_{ILEC}$, $P_{CLEC} - P_{ILEC}$, $R_{CLEC} - R_{ILEC}$).

For measurements where the applicable performance criterion is a benchmark rather than parity performance compliance will be determined by setting the denominator of the Z-test formula as one in calculating the Z-statistic.

For measurements that are averages, where the performance delivered to a CLEC is compared to SWBT performance and for which the number of data points are 29 or less, SWBT agrees to application of the following alternatives for compliance.

4.1 Alternative 1

For measurements that are expressed as averages, SWBT can utilize the Z-test as applicable for data sets of 30 or greater data points or the permutation test to provide evidence of parity. If SWBT uses the Z-test for data sets under 30, the CLEC can independently perform the permutation test to validate SWBT's results. SWBT will supply all data required to perform the permutation test, including the complete ILEC and CLEC data sets for the measure, to CLEC upon request. The results of the permutation test will control over the results of the Z-test analysis as applicable for data sets 30 or greater.

4.2 Alternative 2

Permutation analysis which use standard computational routines will be applied to calculate the z-statistic, similar to the logic described below:

- 1) Choose a sufficiently large number T.
- 2) Pool and mix the CLEC and ILEC data sets.
- 3) Randomly subdivide the pooled data sets into two pools, one the same size as the original CLEC data set (n_{CLEC}) and one reflecting the remaining data points, (which is equal to the size of the original ILEC data set or n_{ILEC}).
- 4) Compute and store the Z-test score (Z_S) for this sample.
- 5) Repeat steps 3 and 4 for the remaining T-1 sample pairs to be analyzed. (If the number of possibilities is less than 1 million, include a programmatic check to prevent drawing the same pair of samples more than once).
- 6) Order the Z_S results computed and stored in step 4 from lowest to highest.
- 7) Compute the Z-test score for the original two data sets and find its rank in the ordering determined in step 6.
- 8) Repeat the steps 2 - 7 ten times and combine the results to determine